

CURRICULUM VITAE OF WILLIAM R. KILLEEN

Work Experience:

Liberty Utilities (Canada) Corp. (2014 - Present)
Director, Energy Procurement (2017-); Director, Regulatory Strategy (2014-2017)

Enersource Hydro Mississauga Inc. (2011 – 2014)
Manager, Regulatory Affairs

Ministry of Energy, Energy Supply and Competition Branch (2011)
Senior Advisor, External Energy Supply

ECNG Energy LP (2003 -2010)
Director, Energy Supply and Regulatory

Direct Energy (2002-2003)
Manager, Regulatory Affairs

Engage Energy Canada Inc. (2001-2002)
Manager, Marketing and Sales

Union Gas Limited (1989 – 2001)
Team Leader, Customer Support Services
Manager, Gas Supply Planning
Coordinator, Regulatory Affairs

Education:

Masters of Business Administration, Richard Ivey School of Business, University of Western Ontario (now Western University), 1989

Bachelor of Engineering Science, Chemical Engineering, University of Western Ontario (now Western University), 1985

Appearances before the Ontario Energy Board (on behalf of Union Gas):

EBRO 499
EBRO 493-04/494-06
EBRO 493/494
EBRO 486-04
EBRO 486-03
EBRO 486
EBO 174

EBLO 243
EBRM 103
EBRM 104
EBLO 244
EBRO 476-03

Appearances before the Ontario Energy Board (on behalf of Enersource):

EB-2012-0033

Other Representations at the Ontario Energy Board:

EB-2002-0130
EB-2005-0520
EB-2008-0106
EB-2008-0219
EB-2008-0292

Other Testimony (on behalf of Liberty Utilities):

Arkansas Public Service Commission - Docket No. 14-020-U — on behalf of Liberty Utilities (Pine Bluff Water) Inc.

Arizona Corporation Commission — Docket Nos. SW-02361A-15-0206 & SW-02361A-15-0207 (consolidated) — on behalf of Liberty Utilities (Black Mountain Sewer) Corp.

Arizona Corporation Commission — Docket Nos. WS-02676A-15-0368 & WS-02676A-15-0371 (consolidated) — on behalf of Liberty Utilities (Rio Rico Water & Sewer) Corp.

Arizona Corporation Commission — Docket Nos. W-02465A-15-0367 & W-02465A-15-0370 (consolidated) — on behalf of Liberty Utilities (Bella Vista Water) Corp.

Arizona Corporation Commission — Docket No. SW-02361A-16-0085 — on behalf of Liberty Utilities (Entrada Del Oro Sewer) Corp.

California Public Utilities Commission – Docket No. 15-11-009 – on behalf of Liberty Utilities (Calpeco Electric) LLC

Montana Public Service Commission – Docket No. D2016.2.15 – on behalf of Mountain Water Company

Texas Public Utilities Commission – Docket No. 46256 – on behalf of Liberty Utilities (Woodmark Sewer) Corp. and Liberty Utilities (Tall Timbers Sewer) Corp.

Memberships:

Professional Engineers of Ontario
Ontario Society of Professional Engineers

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Summary

Mr. Stephens has 30 years of experience in the energy industry and has held senior management positions at economic consulting firms, a retail energy marketer, and local distribution companies prior to joining ScottMadden. Mr. Stephens has assisted numerous clients in the United States and Canada with natural gas supply analysis, portfolio assessment and optimization, demand forecasting and risk management, energy infrastructure evaluation, and regulatory strategy development and implementation. He has also provided expert testimony in numerous proceedings at various jurisdictions, including federal, state, and provincial regulatory agencies.

In addition, Mr. Stephens has commercial experience through his leadership positions at a retail energy marketing company, where he was responsible for all aspects of business unit management, including front, mid and back-office functions. He was also responsible for gas supply procurement and portfolio optimization for a local distribution company. Mr. Stephens holds a Bachelor of Science degree in management and a Masters in Business Administration with a concentration in operations management from Bentley College.

REPRESENTATIVE PROJECT EXPERIENCE

Energy Market Assessment

Retained by numerous companies to develop regional energy market assessments which included: market impacts associated with new energy infrastructure, assessment of the implications associated with natural gas infrastructure, market structure and regulatory situational analysis, and assessment of competitive position. Market assessment engagements typically have been used as required elements of business unit or asset-specific strategic plans or valuation analyses. In addition, certain market assessments have been submitted to various federal, state, and provincial regulatory agencies.

Representative engagements have included:

- Submitted expert testimony on behalf of Eversource to the Massachusetts Department of Public Utilities and the New Hampshire Public Utility Commission regarding pipeline capacity and LNG service precedent agreements on the Access Northeast project.
- Submitted an expert report on behalf of Union Gas and Enbridge Gas Distribution to the Ontario Energy Board with respect to pipeline precedent agreements on the NEXUS Pipeline project.
- For two Canadian LDCs, developed a review of certain mid-Atlantic natural gas supply basins.
- For the State of Maine Public Utility Commission, prepared a report that summarized the Northeast and Atlantic Canada natural gas and power markets; and analyzed the potential benefits and costs associated with natural gas pipeline expansions. The independent report was filed at the Maine Public Utility Commission.
- On behalf of Spectra Corporation, developed a market assessment evaluating the impact of new pipeline infrastructure into the New York City, New Jersey and New England markets. The independent reports were filed at the Federal Energy Regulatory Commission and/or presented to state public utility commissions.
- For a Canadian utility developed a detailed review of the U.S. Northeast energy market and presented findings to their senior management.
- For an international energy company, prepared an assessment of the market potential for distributed LNG, with a particular focus on the commercial and industrial sectors.
- For a project developer, prepared a natural gas demand analysis of the Southeast U.S. The independent report, which was filed at the Federal Energy Regulatory Commission, addressed the demand for natural gas in both the electric generation and traditional LDC markets.
- For an international energy company, prepared an analysis regarding LNG peaking facilities.
- Conducted due diligence for commercial banks regarding investments in natural gas pipelines, natural gas storage projects, and LNG facilities.

- For a project developer, assisted with the evaluation of the market opportunity for an LNG importation terminal in the northeastern United States.
- For numerous clients, provided regional natural gas demand assessments to assist with the evaluation of energy infrastructure.
- For a natural gas producer, reviewed energy contracting practices and pricing mechanisms to support a contract arbitration process.

Business Strategy and Operations

Retained by numerous North American energy companies to support the development of strategic plans and planning processes for both regulated and non-regulated entities. Specific services provided include: developing market entry strategies for the retail and wholesale energy sectors; review of management practices and procedures; and business process redesign initiatives.

Representative engagements have included:

- For Columbia Gas of Massachusetts, developed expert testimony analyzing a contract for natural gas pipeline capacity. The testimony was submitted to the Massachusetts Department of Public Utilities.
- For Union Gas, developed expert testimony regarding the gas supply planning process and associated activities. The testimony was submitted to the Ontario Energy Board.
- For Gaz Métro, developed expert testimony regarding the utilization of natural gas storage. The testimony was submitted to the Régie de l'énergie.
- For an LDC, reviewed its current retail choice program, certain proposed changes, and the potential impacts on the gas supply portfolio.
- For an LDC, reviewed the cost and benefits of expanding into new service territories.
- Reviewed natural gas supply alternatives (i.e., supply basin cost, transport basis and regulatory issues) for an integrated energy company.
- Developed regional market assessments and associated market entry strategies for a wholesale energy marketing company.
- Reviewed certain risk management practices and procedures for a wholesale energy marketing company.
- For a retail energy marketer, conducted due diligence including a review of risk management policies and procedures.
- Prepared a competitive position analysis (i.e., SWOT analysis) for an interstate gas pipeline.
- On behalf of a wholesale energy marketing company, reviewed federal and state requirements associated with entering certain natural gas markets.
- For an LDC, assessed the economic viability of gas distribution utility service expansion.
- Developed new service offerings, including firm transportation and stand-by service, for a mid-Atlantic utility.
- Managed the re-engineering of a large Midwest LDC's gas supply procurement process.
- Managed the re-engineering of a mid-Atlantic wholesale energy marketing company's gas operations including certain risk management areas.
- On behalf of an interstate pipeline, conducted a customer outreach/survey program.

Regulatory Analysis and Support

On behalf of energy market participants, supported the development of regulatory and ratemaking strategies, energy supply obligations, stranded cost assessment and recovery, rate design, and management procedures and decisions. Specific projects include: design and implementation of pipeline capacity open season processes; review utility contracting approaches with respect to gas supplies; assess compliance requirements of the FERC standard of conduct regarding affiliate transactions; analysis of provider of last resort obligations in both electric and gas markets; review the process to procure and hedge default service supplies; and develop new service offerings.

Representative engagements have included:

- Retained by EPCOR Energy Alberta to review procurement and pricing of energy for their supplier of last resort obligation, including identifying and quantifying economic risks of providing the service. Expert report and testimony were submitted to the Alberta Utilities Commission.
- Retained by a utility for regulatory support with respect to energy storage and electric vehicle infrastructure.
- On behalf of an LDC, developed an integrated resource plan including demand forecasting and gas supply portfolios analysis. The final work product was submitted to the state utility commission.
- Retained by the Alaska Gasline Development Corporation to assist with a market review and assessment; open season process development, implementation, and third party contracting; and associated activities (e.g., tariff and service development).
- Retained by various LDCs and electricity utilities to evaluate interstate pipeline capacity and storage open seasons including an analysis of the quantitative and qualitative aspects of the various projects.
- Retained by an LDC to develop regulatory strategy associated with the funding of distribution expansion.
- Retained by a Midwest U.S. interstate gas pipeline to assist with an open season including drafting of tariffs and precedent agreements.
- Retained by a Northeast energy company to review the FERC reporting requirements and standards of conduct for an interstate pipeline business unit.
- Provided regulatory and litigation support to a natural gas pipeline regarding rate impacts of new infrastructure development.
- Provided litigation support to a mid-west utility regarding proposed gas purchase disallowances for storage utilization, hedging activity, and pipeline capacity decisions.
- On behalf of a Midwest utility, developed and implemented a third party transportation program.
- Developed a demand forecast to support the AES Sparrows Point LNG FERC application.
- Provided support to a Canadian LNG supplier regarding their NEB export license application.

Energy Procurement

Directed and participated in the review of various energy procurement projects including demand modeling, portfolio review/optimization, risk management, procurement strategies and associated cost structures.

Representative experience has included:

- Retained by a utility to review the financial concepts of risk and risk aversion with respect to the provision of regulated energy service and the associated compensation for the service obligation.
- Retained by New Brunswick Power to document and assess fuel procurement and associated processes. Expert report was submitted to New Brunswick Energy and Utilities Board.
- For a municipal utility, evaluated its current gas supply portfolio and associated purchasing strategies.
- For a municipal utility, evaluated the benefits and costs associated with quick-start generation.
- Retained by a utility to review the value achieved under an asset management agreement, including the use of storage.
- Provided a market participant with a review of natural gas supply and storage options, associated prices, and risk mitigation opportunities.
- On behalf of a natural gas distribution company, evaluated the benefit associated with asset management opportunities.
- On behalf of a regional combination utility, reviewed the appropriate jurisdiction for a natural gas pipeline asset.
- On behalf of a natural gas utility, conducted a detailed audit of the gas supply, marketing, risk management, and accounting functions.
- On behalf of several gas utilities, developed demand forecasts and supported those forecasts in regulatory proceedings.
- For a multi-state utility, reviewed the demand forecast planning process and procedures and recommended certain process changes.



James M. Stephens
Partner

- On behalf of a financial institution, reviewed the competitiveness of a storage project investment and quantified the impact of various new projects on the storage project financial performance.
- As President of a retail energy marketing firm directed all aspects of the business unit and was responsible for marketing, origination, operations, accounting, and billing. In addition, was responsible for the physical and financial commodity books; developed and implemented risk management strategy and objectives; implemented risk management policies and procedures; negotiated counterparty contracts; and reviewed and reported on financial performance to the Board of Directors.

Financial and Economic Advisory Services

Involved in the sale or evaluation of several regulated and non-regulated energy companies including wholesale and retail energy marketing companies, on-line energy brokers, and energy services' companies. Assisted clients with market strategy and the identification of partnership opportunities. Specific services provided include: business unit evaluation, development of marketing and sale materials, marketing of transaction, bid evaluation and negotiation support.

Representative engagements have included:

- For an energy broker, developed and executed an acquisition strategy.
- For Eversource, assisted with the sale of its retail services business unit.
- For an international integrated utility, supported its due diligence team with respect to an evaluation of a multi-state utility.
- For a private equity firm, evaluated natural gas procurement and energy sales in support of an investment in generation.
- For a utility, supported its due diligence with respect to a potential acquisition of a natural gas distribution company.
- For a municipal utility, evaluated and negotiated an asset management agreement.
- Assisted an LDC with gas supply due diligence regarding a potential asset acquisition.
- For a third-party investor, performed an independent review of a retail energy marketer including existing physical and financial books, risk management protocols and exposures, and growth strategy.
- Supported the sale of Niagara Mohawk Power Corporation's non-regulated energy marketing affiliate.
- Directed the sale of a non-regulated marketing affiliate.
- Performed an independent valuation of an on-line energy broker on behalf of an investor.

PROFESSIONAL HISTORY

ScottMadden, Inc. (2016 – Present [acquired Sussex Economic Advisors, LLC])

Partner

Sussex Economic Advisors, LLC (2012 – 2016)

Partner

Concentric Energy Advisors, Inc. (2002 – 2012)

Executive Advisor

Senior Vice President

Vice President

Navigant Consulting, Inc. (2000 – 2001)

Director, Energy Market Assessment Practice Area

Providence Energy Services (1997 – 2000)

President (1998 – 2000)

President, Providence-Southern (1997 – 1998)

REED Consulting Group (1994 – 1997)

Assistant Vice President

Colonial Gas Company (1991 – 1994)

Director, Gas Supply Planning and Acquisition (1993 – 1994)

Manager, Gas Supply (1991 – 1993)

Boston Gas Company (1987 – 1991)

Senior Gas Supply Analyst (1990 – 1991)

Transportation and Exchange Analyst (1988 – 1990)

Business Analyst (1987 – 1988)

EDUCATION

Masters in Business Administration with a concentration in Operations Management,
Bentley College, 1991

Bachelor of Science in Management, Bentley College, 1987

DESIGNATIONS AND PROFESSIONAL AFFILIATIONS

Member of the American Gas Association

Member of the New England Gas Association

Member of the Society of Gas Lighting

Member of the New England-Canada Business Council

Member of the Northeast Energy and Commerce Association

Member of the Guild of Gas Managers

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Recent Expert Witness Appearances of James M. Stephens

SPONSOR	DATE	JURISDICTION	DOCKET NO.	SUBJECT
Union Gas Limited	April, 2013	Ontario	Docket No. 2013-0109	Gas Supply Planning
Columbia Gas of Massachusetts	September, 2013	Massachusetts	Docket No. 13-158	Pre-Approval of a Long-Term Capacity Contract
Columbia Gas of Massachusetts	September, 2013	Massachusetts	Docket No. 13-161	Integrated Resource Plan
Gaz Métro	October, 2013	Québec	Cause tarifaire 2014, R-3837-2013	Storage Utilization
Maine Public Utility Commission	February, 2014	Maine	Docket No. 2014-00071	Pipeline Open Season
Gaz Métro	January, 2015	Québec	Cause tarifaire 2015, R-3879-2014	Storage Utilization
UIL Holdings Corporation d/b/a Total Peaking Services, LLC	September, 2015	Federal Energy Regulatory Commission	Docket No. CP15-557-000	Market Power Study
Union Gas Limited	May, 2015	Ontario	Docket No. EB-2015-0166	Pre-Approval of a Long-Term Pipeline Capacity Contract
Enbridge Gas Distribution	June, 2015	Ontario	Docket No. EB-2015-0175	Pre-Approval of a Long-Term Pipeline Capacity Contract
Northern Utilities, Inc.	November, 2015	Maine	Docket No. 2014-00132	Retail Choice Transportation Program
Eversource Energy	December, 2015	Massachusetts	Docket No. 15-181	Pre-Approval of Long-Term Pipeline Capacity Contract
Eversource Energy	February, 2016	New Hampshire	Docket No. DE 16-241	Pre-Approval of Long-Term Pipeline Capacity Contract
New Brunswick Power	October, 2016	New Brunswick	Matter No. 336	Commodity Procurement / Risk Management
EPCOR Energy Alberta	January, 2017	Alberta	Proceeding ID 22357	Energy Procurement and Risk Assessment

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Report 1

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Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
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Commodity Cost	████	Injection Cost	48	Transportation Cost	2133	JAN 19, 2018	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	156.82
Other Variable Cost	339	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	156.82
Total Variable	████	Total Variable	94	Total Variable	2133		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85257
						Total Revenue	0
						Net Cost	85257

Avg Cost of Served Demand 5.453 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.167 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0
Total	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2331.2	18250.0	15918.8			3.0161	7031	0	7031	3.0161
ENGNIagara	1146.6	1167.3	20.6			2.3679	2715	0	2715	2.3679
ENGPNGTS	156.0	365.0	209.0			4.1356	645	0	645	4.1356
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6592.1	6690.4	98.3			2.3200	15294	0	15294	2.3200
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2661.6	7373.0	4711.4			6.4799	17247	0	17247	6.4799
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case
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NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	754.8	2190.0	1435.2			3.1759	2397	0	2397	3.1759
DAWN	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1147.1	10950.0	9802.9			7.3093	8385	0	8385	7.3093
Engie Combo	630.0	630.0	0.0							
Total	15851.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	321.0	321.6	0	0.0	12	95	0.0	-1	126	102	-24
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	953	1043	90
ENGFSMA	1482	95	1774.0	1739.4	0	19.0	1498	96	0.0	16	2573	3510	937
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	178	244	66
ENGNGFG	671	100	725.3	719.6	0	5.7	671	100	5.7	0	1164	1597	433
ENGHON	246	100	236.9	236.9	0	0.0	246	100	0.0	0	427	554	126
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2591	N/A	3326.8	3285.0	0	26.8	2606	N/A	5.7	15	5422	7050	1628

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2331.2	0.0	2331.2	7882.5	5551.4	0	5043	0	5043	2.1634	
ENGTGP2Stg	107.8	2.2	105.6	7882.5	7777.0	28	0	0	28	0.2572	
ENGTGPLong	5972.4	0.0	5972.4	8698.1	2725.7	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2796.9	23.8	2773.1	10262.0	7488.9	315	2688	0	3003	1.0736	
TrCanCharges	746.2	8.6	737.6	1477.2	739.6	0	698	0	698	0.9349	
IroqCharges	737.6	4.6	733.0	1477.2	744.1	65	640	0	705	0.9561	
ENGPNGTS	156.0	1.6	154.4	365.0	210.6	0	312	0	312	2.0004	
ENGLNG	321.6	0.0	321.6	8654.9	8333.2	0	0	0	0	0.0000	
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000	
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000	
Dracut 30	3034.4	6.4	3028.0	10950.0	7922.0	132	4388	0	4520	1.4896	
UnionCharges	754.8	8.6	746.2	1477.2	731.0	0	140	0	140	0.1855	

Base Case

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NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	774.4	1.6	772.7	7300.0	6527.3	34	1134	0	1167	1.5074
ENGTGPZ4	2223.4	62.0	2161.4	9125.0	6963.6	662	0	0	662	0.2976
Z4toTGPLH	3843.6	32.7	3810.9	7665.0	3854.1	433	0	0	433	0.1126
Z4toStg	2748.5	9.1	2739.4	7882.5	5143.1	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		169.7				2133	15309		17442	0.6089

Base Case
- Draw 0

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NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
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Commodity Cost	████	Injection Cost	48	Transportation Cost	2164	JAN 19, 2019	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	160.99
Other Variable Cost	342	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	160.99
Total Variable	████	Total Variable	94	Total Variable	2164		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2660	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85674
						Total Revenue	0
						Net Cost	85674

Avg Cost of Served Demand 5.330 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.006 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0	
Total	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2334.7	18250.0	15915.3			2.9106	6795	0	6795	2.9106
ENGNiagara	1146.6	1167.3	20.6			2.1649	2482	0	2482	2.1649
ENGPNGTS	224.4	365.0	140.6			3.5436	795	0	795	3.5436
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6620.4	6690.4	70.0			2.1145	13999	0	13999	2.1145
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2659.8	7373.0	4713.2			6.5053	17303	0	17303	6.5053
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case
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NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary											
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost	
ENGDawn	766.8	2190.0	1423.2			2.9503	2262	0	2262	2.9503	
DAWN	344.3	651.2	306.9			2.9377	1011	0	1011	2.9377	
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000	
Dracut 30	1131.3	10950.0	9818.7			7.3831	8353	0	8353	7.3831	
Engie Combo	630.0	630.0	0.0								
Total	16290.3										

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	102	99	-4
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3510	3142	-368
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	244	222	-22
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1597	1432	-165
ENGHON	246	100	235.7	235.7	0	0.0	246	100	0.0	0	554	518	-35
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3323.7	3296.8	0	26.8	2606	N/A	5.6	0	7050	6456	-593

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2334.7	0.0	2334.7	7882.5	5547.9	0	5043	0	5043	2.1602
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6007.0	0.0	6007.0	8698.1	2691.1	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2809.3	23.9	2785.5	10262.0	7476.5	316	2688	0	3004	1.0693
TrCanCharges	758.1	8.7	749.4	1477.2	727.8	0	698	0	698	0.9202
IroqCharges	749.4	4.6	744.7	1477.2	732.4	67	640	0	706	0.9425
ENGPNGTS	224.4	2.2	222.2	365.0	142.8	0	312	0	312	1.3913
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3410.1	7.2	3402.9	10950.0	7547.1	148	4388	0	4536	1.3303
UnionCharges	766.8	8.7	758.1	1477.2	719.1	0	140	0	140	0.1826

Base Case
- Draw 0

Ventyx
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NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	714.8	1.5	713.3	7300.0	6586.7	31	1134	0	1165	1.6295
ENGTGPZ4	2228.3	62.1	2166.2	9125.0	6958.8	663	0	0	663	0.2976
Z4toTGPLH	3873.7	32.9	3840.8	7665.0	3824.2	436	0	0	436	0.1126
Z4toStg	2746.7	9.1	2737.6	7882.5	5144.9	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	344.3	10.6	333.7	651.2	317.5	10		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		182.5				2164				

Base Case
- Draw 0

Ventyx
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NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2199	JAN 19, 2020	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	164.64
Other Variable Cost	346	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	164.64
Total Variable	████	Total Variable	94	Total Variable	2199		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2686	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	86778
						Total Revenue	0
						Net Cost	86778

Avg Cost of Served Demand 5.235 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.842 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0
Total	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2324.1	18300.0	15975.9			2.7954	6497	0	6497	2.7954
ENGNiagara	1144.7	1170.5	25.8			2.1355	2444	0	2444	2.1355
ENGPNGTS	277.9	366.0	88.1			3.2830	912	0	912	3.2830
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6657.9	6698.7	40.8			1.9745	13146	0	13146	1.9745
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2676.0	7393.2	4717.2			6.4563	17277	0	17277	6.4563
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case
- Draw 0

Ventyx
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NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	756.8	2196.0	1439.2			2.8586	2163	0	2163	2.8586
DAWN	898.0	1622.1	724.1			2.8309	2542	0	2542	2.8309
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1011.6	10980.0	9968.4			7.3541	7439	0	7439	7.3541
Engie Combo	630.0	630.0	0.0							
Total	16808.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	99	97	-1
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3142	2992	-150
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	222	211	-11
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1432	1362	-70
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	518	492	-27
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3322.5	3295.6	0	26.8	2606	N/A	5.6	0	6456	6197	-259

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2324.1	0.0	2324.1	7904.1	5580.1	0	5043	0	5043	2.1700	
ENGTGP2Stg	106.4	2.2	104.2	7904.1	7800.0	27	0	0	27	0.2572	
ENGTGPLong	6035.0	0.0	6035.0	8719.7	2684.6	0	0	0	0	0.0000	
ENGTGPBND	1144.7	7.1	1137.6	1142.7	5.1	98	267	0	365	0.3189	
ENGTGPShort	2808.2	23.9	2784.3	10290.1	7505.8	316	2688	0	3004	1.0697	
TrCanCharges	748.2	8.6	739.6	1481.2	741.6	0	698	0	698	0.9324	
IroqCharges	739.6	4.6	735.0	1481.2	746.2	66	640	0	705	0.9538	
ENGPNGTS	277.9	2.8	275.2	366.0	90.8	0	312	0	312	1.1236	
ENGLNG	321.0	0.0	321.0	8678.6	8357.6	0	0	0	0	0.0000	
ENGPropane	160.8	0.0	160.8	6370.0	6209.2	0	0	0	0	0.0000	
ENG3Truck	160.8	0.0	160.8	4392.0	4231.2	161	0	0	161	1.0000	
Dracut 30	3697.5	7.8	3689.7	10980.0	7290.3	161	4388	0	4549	1.2303	
UnionCharges	756.8	8.6	748.2	1481.2	733.0	0	140	0	140	0.1850	

Base Case
- Draw 0

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NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	860.4	1.8	858.6	7320.0	6461.4	37	1134	0	1171	1.3610
ENGTGPZ4	2217.7	61.8	2155.9	9150.0	6994.1	660	0	0	660	0.2976
Z4toTGPLH	3912.4	33.3	3879.1	7686.0	3806.9	441	0	0	441	0.1126
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1064.0	485.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	898.0	27.7	870.2	1622.1	751.9	27		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		200.8				2199				

Base Case
- Draw 0

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NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2220	JAN 19, 2021	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	168.93
Other Variable Cost	349	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	168.93
Total Variable	████	Total Variable	94	Total Variable	2220		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2711	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	89720
						Total Revenue	0
						Net Cost	89720

Avg Cost of Served Demand 5.277 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.893 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0	
Total	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2314.5	18250.0	15935.5			2.8137	6512	0	6512	2.8137
ENGNiagara	1143.1	1167.3	24.1			2.1441	2451	0	2451	2.1441
ENGPNGTS	291.5	365.0	73.5			3.2469	947	0	947	3.2469
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6660.4	6690.4	30.0			1.9829	13207	0	13207	1.9829
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2601.7	7373.0	4771.3			6.4145	16689	0	16689	6.4145
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case
- Draw 0

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NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	761.3	2190.0	1428.7			2.8564	2174	0	2174	2.8564
DAWN	1088.5	1825.0	736.5			2.8117	3061	0	3061	2.8117
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1317.7	10950.0	9632.3			7.5042	9888	0	9888	7.5042
Engie Combo	630.0	630.0	0.0							
Total	17240.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	97	97	0
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	2992	3017	25
ENGDominion	103	100	108.5	106.4	0	2.1	103	100	0.0	0	211	212	1
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1362	1373	11
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	492	492	-0
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3320.1	3293.3	0	26.8	2606	N/A	5.6	0	6197	6234	37

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2314.5	0.0	2314.5	7882.5	5568.0	0	5043	0	5043	2.1790
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6030.6	0.0	6030.6	8698.1	2667.5	0	0	0	0	0.0000
ENGTGPBND	1143.1	7.1	1136.0	1139.5	3.5	98	267	0	365	0.3192
ENGTGPShort	2805.8	23.8	2782.0	10262.0	7480.0	316	2688	0	3004	1.0705
TrCanCharges	752.6	8.7	743.9	1477.2	733.2	0	698	0	698	0.9269
IroqCharges	743.9	4.6	739.3	1477.2	737.8	66	640	0	706	0.9487
ENGPNGTS	291.5	2.9	288.6	365.0	76.4	1	312	0	312	1.0714
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	4089.4	8.6	4080.8	10950.0	6869.2	178	4388	0	4566	1.1165
UnionCharges	761.3	8.7	752.6	1477.2	724.6	0	140	0	140	0.1839

Base Case
- Draw 0

Ventyx
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Report 1 (Continued) 09:23:41

NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	884.9	1.9	883.0	7300.0	6417.0	38	1134	0	1172	1.3246
ENGTGPZ4	2208.1	61.5	2146.6	9125.0	6978.4	657	0	0	657	0.2976
Z4toTGPLH	3917.3	33.3	3884.0	7665.0	3781.0	441	0	0	441	0.1126
Z4toStg	2743.1	9.1	2734.1	7882.5	5148.5	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	1088.5	33.6	1054.8	1825.0	770.2	33		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		207.6				2220				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	136	Transportation Cost	2258	JAN 19, 2022	
Penalty Cost	0	Withdrawal Cost	48	Other Variable Cost	0	System Served	173.92
Other Variable Cost	325	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	173.92
Total Variable	████	Total Variable	185	Total Variable	2258		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2643	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	127180
						Total Revenue	0
						Net Cost	127180

Avg Cost of Served Demand 7.256 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.715 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0
Total	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2319.9	18250.0	15930.1			2.8385	6585	0	6585	2.8385
ENGNiagara	1146.6	1167.3	20.6			2.1909	2512	0	2512	2.1909
ENGPNGTS	330.0	365.0	35.0			3.1691	1046	0	1046	3.1691
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6690.4	6690.4	0.0			2.0466	13693	0	13693	2.0466
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2694.1	7373.0	4678.9			6.3586	17131	0	17131	6.3586
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	935.7	2190.0	1254.3			2.8256	2644	0	2644	2.8256

Base Case
- Draw 0

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NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	3318.2	3455.2	137.0			2.7438	9104	0	9104	2.7438
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1093.8	10950.0	9856.2			7.6418	8358	0	8358	7.6418
Engie Combo	630.0	630.0	0.0							
Total	19500.4									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	332.9	332.3	0	0.0	13	100	0.0	1	97	70	-27
ENGPropane	77	100	91.7	168.5	0	0.0	0	0	0.0	-77	1043	160	-883
ENGFSMA	1498	96	1775.1	1756.1	0	19.0	1498	96	0.0	0	3017	3117	100
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	212	219	7
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1373	1418	45
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	492	506	14
GranBrdgLNG	0	N/A	1949.1	221.5	0	177.2	1550	75	2.2	1550	0	3711	3711
Total	2606	N/A	5211.3	3533.0	0	204.0	4081	153	7.9	1474	6234	9201	2967

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPProd	2319.9	0.0	2319.9	7882.5	5562.7	0	5043	0	5043	2.1739	
ENGTGP2Stg	104.9	2.1	102.8	7882.5	7779.7	27	0	0	27	0.2572	
ENGTGPLong	6066.3	0.0	6066.3	8698.1	2631.8	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2805.0	23.8	2781.2	10262.0	7480.8	316	2688	0	3004	1.0708	
TrCanCharges	925.0	10.6	914.4	1477.2	562.8	0	698	0	698	0.7541	
IroqCharges	914.4	5.7	908.7	1477.2	568.5	81	640	0	721	0.7884	
ENGPNGTS	330.0	3.3	326.7	365.0	38.3	1	312	0	312	0.9467	
ENGLNG	332.3	0.0	332.3	8654.9	8322.6	0	0	0	0	0.0000	
ENGPropane	168.5	0.0	168.5	6335.0	6166.5	0	0	0	0	0.0000	
ENG3Truck	91.7	0.0	91.7	4380.0	4288.3	92	0	0	92	1.0000	
Dracut 30	3149.2	6.6	3142.6	10950.0	7807.4	137	4388	0	4525	1.4369	
UnionCharges	935.7	10.7	925.0	1477.2	552.1	0	140	0	140	0.1496	
Dracut 20	638.7	1.3	637.4	7300.0	6662.6	28	1134	0	1161	1.8184	

Base Case
- Draw 0

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NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2214.9	61.7	2153.2	9125.0	6971.8	659	0	0	659	0.2976
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	3402.3	7.1	3395.2	73000.0	69604.8	148		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	186.3	0.5	185.8	56666.3	56480.4	6	0	0	6	0.0324
LNGtoLNG	32.9	0.0	32.9	2920.0	2887.1	16	0	0	16	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTPCL	3318.2	52.8	3265.5	3400.3	134.8	0	3434	0	3434	1.0350
PNGTS2RT101	3265.5	49.0	3216.5	3349.3	132.8	0		0		
Total		286.7				2258				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
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NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
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Commodity Cost	████	Injection Cost	177	Transportation Cost	2315	JAN 19, 2023	
Penalty Cost	0	Withdrawal Cost	69	Other Variable Cost	0	System Served	179.38
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	179.38
Total Variable	████	Total Variable	247	Total Variable	2315		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	122784
						Total Revenue	0
						Net Cost	122784

Avg Cost of Served Demand 6.794 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 2.967 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0	
Total	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2331.0	18250.0	15919.0			2.8820	6718	0	6718	2.8820
ENGNiagara	1146.6	1167.3	20.6			2.2569	2588	0	2588	2.2569
ENGPNGTS	331.0	365.0	34.0			3.1816	1053	0	1053	3.1816
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.1144	14146	0	14146	2.1144
Dracut 20	2468.6	7373.0	4904.4			4.6298	11429	0	11429	4.6298
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDAwn	1011.0	2190.0	1179.0			2.8478	2879	0	2879	2.8478
DAWN	3354.6	3455.2	100.6			2.7812	9330	0	9330	2.7812

Base Case
- Draw 0

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NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1624.6	10950.0	9325.4			4.9880	8103	0	8103	4.9880
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	18957.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	120.2	120.2	0	0.0	13	100	0.0	0	70	68	-2
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3117	3218	101
ENGDominion	103	100	109.1	107.0	0	2.1	103	100	0.0	0	219	226	7
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1418	1463	45
ENGHON	246	100	233.5	233.5	0	0.0	246	100	0.0	0	506	522	16
GranBrdgLNG	1550	75	2850.8	2319.4	0	259.2	1823	88	23.2	272	3711	4519	808
Total	4081	88	5810.0	5251.8	0	286.0	4353	93	28.8	272	9201	10176	975

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2331.0	0.0	2331.0	7882.5	5551.6	0	5043	0	5043	2.1636	
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572	
ENGTGPLong	6075.6	0.0	6075.6	8698.1	2622.5	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2806.5	23.9	2782.7	10262.0	7479.3	316	2688	0	3004	1.0703	
TrCanCharges	999.5	11.5	988.0	1477.2	489.2	0	698	0	698	0.6980	
IroqCharges	988.0	6.1	981.9	1477.2	495.3	88	640	0	727	0.7363	
ENGPNGTS	331.0	3.3	327.7	365.0	37.3	1	312	0	312	0.9438	
ENGLNG	120.2	0.0	120.2	8654.9	8534.7	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3189.5	6.7	3182.8	10950.0	7767.2	138	4388	0	4527	1.4193	
UnionCharges	1011.0	11.5	999.5	1477.2	477.7	0	140	0	140	0.1385	
Dracut 20	903.7	1.9	901.8	7300.0	6398.2	39	1134	0	1173	1.2979	
ENGTGPZ4	2224.6	62.0	2162.6	9125.0	6962.4	662	0	0	662	0.2976	
Z4toTGPLH	3946.5	33.5	3913.0	7665.0	3752.0	445	0	0	445	0.1126	

Base Case
- Draw 0

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NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.9	9.1	2734.8	7882.5	5147.7	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5421.7	11.4	5410.3	73000.0	67589.7	235		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2176.1	6.1	2170.0	56666.3	54496.3	70	0	0	70	0.0323
LNGtoLNG	120.2	0.0	120.2	2920.0	2799.8	60	0	0	60	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3354.6	53.3	3301.2	3400.3	99.0	0	3434	0	3434	1.0238
PNGTS2RT101	3301.2	49.5	3251.7	3349.3	97.5	0		0		
Total		299.1				2315				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	177	Transportation Cost	2354	JAN 19, 2024	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	184.43
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	184.43
Total Variable	████	Total Variable	248	Total Variable	2354		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	125041
						Total Revenue	0
						Net Cost	125041

Avg Cost of Served Demand 6.709 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.032 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0	
Total	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2349.1	18300.0	15950.9			2.9324	6888	0	6888	2.9324
ENGNiagara	1149.8	1170.5	20.7			2.3421	2693	0	2693	2.3421
ENGPNGTS	333.0	366.0	33.0			3.2251	1074	0	1074	3.2251
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6698.7	6698.7	0.0			2.2058	14776	0	14776	2.2058
Dracut 20	2482.9	7393.2	4910.3			4.6046	11433	0	11433	4.6046
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1061.6	2196.0	1134.4			2.8937	3072	0	3072	2.8937
DAWN	3408.7	3464.7	56.0			2.8387	9676	0	9676	2.8387

Base Case
- Draw 0

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NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1798.1	10980.0	9181.9			4.9226	8852	0	8852	4.9226
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	19282.0									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	118.1	118.1	0	0.0	13	100	0.0	0	68	71	2
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3218	3361	143
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	226	235	10
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1463	1528	65
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	522	544	22
GranBrdgLNG	1823	88	2839.5	2558.6	0	258.1	1845	89	25.6	23	4519	4761	242
Total	4353	93	5798.3	5490.5	0	285.0	4376	94	31.2	23	10176	10660	484

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2349.1	0.0	2349.1	7904.1	5555.0	0	5043	0	5043	2.1469	
ENGTGP2Stg	106.4	2.2	104.2	7904.1	7800.0	27	0	0	27	0.2572	
ENGTGPLong	6099.8	0.0	6099.8	8719.7	2619.9	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2808.2	23.9	2784.3	10290.1	7505.8	316	2688	0	3004	1.0697	
TrCanCharges	1049.5	12.1	1037.5	1481.2	443.7	0	698	0	698	0.6647	
IroqCharges	1037.5	6.4	1031.0	1481.2	450.2	92	640	0	732	0.7054	
ENGPNGTS	333.0	3.3	329.7	366.0	36.3	1	312	0	312	0.9382	
ENGLNG	118.1	0.0	118.1	8678.6	8560.5	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	3232.7	6.8	3225.9	10980.0	7754.1	140	4388	0	4529	1.4009	
UnionCharges	1061.6	12.1	1049.5	1481.2	431.7	0	140	0	140	0.1319	
Dracut 20	1048.4	2.2	1046.2	7320.0	6273.8	46	1134	0	1179	1.1248	
ENGTGPZ4	2242.8	62.5	2180.3	9150.0	6969.7	667	0	0	667	0.2976	
Z4toTGPLH	3953.2	33.6	3919.6	7686.0	3766.4	445	0	0	445	0.1126	

Base Case
- Draw 0

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NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5712.3	12.0	5700.3	73200.0	67499.7	248		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2414.9	6.8	2408.1	56821.5	54413.4	78	0	0	78	0.0323
LNGtoLNG	118.1	0.0	118.1	2928.0	2809.9	59	0	0	59	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3408.7	54.2	3354.5	3409.6	55.1	0	3434	0	3434	1.0075
PNGTS2RT101	3354.5	50.3	3304.2	3358.4	54.3	0		0		
Total		304.5				2354				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	177	Transportation Cost	2372	JAN 19, 2025	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	188.86
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	188.86
Total Variable	████	Total Variable	249	Total Variable	2372		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	128486
						Total Revenue	0
						Net Cost	128486

Avg Cost of Served Demand 6.759 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.152 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0	
Total	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2339.6	18250.0	15910.4			3.0004	7020	0	7020	3.0004
ENGNiagara	1146.6	1167.3	20.6			2.4387	2796	0	2796	2.4387
ENGPNGTS	335.0	365.0	30.0			3.2764	1098	0	1098	3.2764
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.3072	15436	0	15436	2.3072
Dracut 20	2605.6	7373.0	4767.4			4.6609	12145	0	12145	4.6609
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDAwn	1139.2	2190.0	1050.8			2.9486	3359	0	3359	2.9486
DAWN	3394.6	3455.2	60.6			2.9105	9880	0	9880	2.9105

Base Case
- Draw 0

Ventyx
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Report 1 (Continued) 09:23:41

NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1982.0	10950.0	8968.0			5.1250	10158	0	10158	5.1250
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	19633.0									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	120.2	120.2	0	0.0	13	100	0.0	0	71	73	2
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3361	3515	154
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	235	246	11
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1528	1600	72
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	544	568	24
GranBrdgLNG	1845	89	2846.2	2587.5	0	258.7	1845	89	25.9	0	4761	4971	210
Total	4376	94	5802.2	5516.6	0	285.5	4376	94	31.5	0	10660	11132	473

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPPProd	2339.6	0.0	2339.6	7882.5	5543.0	0	5043	0	5043	2.1556	
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572	
ENGTGPLong	6087.1	0.0	6087.1	8698.1	2611.0	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2803.4	23.8	2779.5	10262.0	7482.5	316	2688	0	3003	1.0714	
TrCanCharges	1126.2	13.0	1113.2	1477.2	363.9	0	698	0	698	0.6194	
IroqCharges	1113.2	6.9	1106.3	1477.2	370.8	99	640	0	739	0.6634	
ENGPNGTS	335.0	3.4	331.6	365.0	33.4	1	312	0	312	0.9326	
ENGLNG	120.2	0.0	120.2	8654.9	8534.7	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3383.5	7.1	3376.4	10950.0	7573.6	147	4388	0	4535	1.3404	
UnionCharges	1139.2	13.0	1126.2	1477.2	351.0	0	140	0	140	0.1229	
Dracut 20	1204.1	2.5	1201.6	7300.0	6098.4	52	1134	0	1186	0.9849	
ENGTGPZ4	2236.3	62.3	2174.0	9125.0	6951.0	665	0	0	665	0.2976	
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126	

Base Case
- Draw 0

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NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5725.1	12.0	5713.1	73000.0	67286.9	249		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2441.4	6.8	2434.6	56666.3	54231.7	79	0	0	79	0.0323
LNGtoLNG	120.2	0.0	120.2	2920.0	2799.8	60	0	0	60	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3394.6	54.0	3340.6	3400.3	59.6	0	3434	0	3434	1.0117
PNGTS2RT101	3340.6	50.1	3290.5	3349.3	58.7	0		0		
Total		306.7				2372				

Base Case
- Draw 0

Ventyx
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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	177	Transportation Cost	2395	JAN 19, 2026	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	192.93
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	192.93
Total Variable	████	Total Variable	249	Total Variable	2395		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	132641
						Total Revenue	0
						Net Cost	132641

Avg Cost of Served Demand 6.831 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.294 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0	
Total	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2343.5	18250.0	15906.5			3.1013	7268	0	7268	3.1013
ENGNiagara	1146.6	1167.3	20.6			2.5483	2922	0	2922	2.5483
ENGPNGTS	337.0	365.0	28.0			3.3420	1126	0	1126	3.3420
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.4136	16148	0	16148	2.4136
Dracut 20	2673.9	7373.0	4699.1			4.8037	12845	0	12845	4.8037
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDawn	1199.9	2190.0	990.1			3.0286	3634	0	3634	3.0286
DAWN	3405.8	3455.2	49.4			2.9965	10206	0	10206	2.9965

Base Case
- Draw 0

Ventyx
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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2246.2	10950.0	8703.8			5.2863	11874	0	11874	5.2863
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	20043.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	123.3	123.3	0	0.0	13	100	0.0	0	73	75	3
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3515	3678	163
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	246	257	11
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1600	1661	61
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	568	592	24
GranBrdgLNG	1845	89	2847.7	2588.8	0	258.9	1845	89	25.9	0	4971	5181	210
Total	4376	94	5806.8	5521.1	0	285.7	4376	94	31.5	0	11132	11604	471

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPPProd	2343.5	0.0	2343.5	7882.5	5539.1	0	5043	0	5043	2.1520	
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572	
ENGTGPLong	6090.9	0.0	6090.9	8698.1	2607.2	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2803.4	23.8	2779.5	10262.0	7482.5	316	2688	0	3003	1.0714	
TrCanCharges	1186.2	13.6	1172.6	1477.2	304.6	0	698	0	698	0.5881	
IroqCharges	1172.6	7.3	1165.3	1477.2	311.8	104	640	0	744	0.6343	
ENGPNGTS	337.0	3.4	333.6	365.0	31.4	1	312	0	312	0.9270	
ENGLNG	123.3	0.0	123.3	8654.9	8531.6	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3442.6	7.2	3435.3	10950.0	7514.7	149	4388	0	4538	1.3181	
UnionCharges	1199.9	13.7	1186.2	1477.2	290.9	0	140	0	140	0.1167	
Dracut 20	1477.6	3.1	1474.5	7300.0	5825.5	64	1134	0	1198	0.8107	
ENGTGPZ4	2240.3	62.4	2177.8	9125.0	6947.2	667	0	0	667	0.2976	
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126	

Base Case
- Draw 0

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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5734.2	12.0	5722.2	73000.0	67277.8	249		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2439.7	6.8	2432.9	56666.3	54233.4	79	0	0	79	0.0323
LNGtoLNG	123.3	0.0	123.3	2920.0	2796.7	62	0	0	62	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3405.8	54.2	3351.6	3400.3	48.6	0	3434	0	3434	1.0084
PNGTS2RT101	3351.6	50.3	3301.4	3349.3	47.9	0		0		
Total		309.7				2395				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	178	Transportation Cost	2415	JAN 19, 2027	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	196.78
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	196.78
Total Variable	████	Total Variable	250	Total Variable	2415		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	136117
						Total Revenue	0
						Net Cost	136117

Avg Cost of Served Demand 6.879 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.402 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0	
Total	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2345.2	18250.0	15904.8			3.1938	7490	0	7490	3.1938
ENGNiagara	1146.6	1167.3	20.6			2.6165	3000	0	3000	2.6165
ENGPNGTS	344.0	365.0	21.0			3.4152	1175	0	1175	3.4152
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.4647	16490	0	16490	2.4647
Dracut 20	2766.3	7373.0	4606.7			4.9020	13561	0	13561	4.9020
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDAwn	1239.4	2190.0	950.6			3.0883	3828	0	3828	3.0883
DAWN	3426.4	3455.2	28.8			3.0553	10469	0	10469	3.0553

Base Case
- Draw 0

Ventyx
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NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2461.5	10950.0	8488.5			5.4701	13465	0	13465	5.4701
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	20419.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	124.3	124.3	0	0.0	13	100	0.0	0	75	77	2
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3678	3715	37
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	257	260	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1661	1686	25
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	592	603	11
GranBrdgLNG	1845	89	2864.7	2604.3	0	260.4	1845	89	26.0	0	5181	5270	89
Total	4376	94	5826.9	5539.7	0	287.2	4376	94	31.7	0	11604	11771	167

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPProd	2345.2	0.0	2345.2	7882.5	5537.4	0	5043	0	5043	2.1505	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6090.5	0.0	6090.5	8698.1	2607.6	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2805.5	23.8	2781.6	10262.0	7480.3	316	2688	0	3004	1.0706	
TrCanCharges	1225.3	14.1	1211.2	1477.2	266.0	0	698	0	698	0.5693	
IroqCharges	1211.2	7.5	1203.7	1477.2	273.5	107	640	0	747	0.6170	
ENGPNGTS	344.0	3.4	340.6	365.0	24.4	1	312	0	312	0.9082	
ENGLNG	124.3	0.0	124.3	8654.9	8530.6	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3604.7	7.6	3597.1	10950.0	7352.9	156	4388	0	4545	1.2608	
UnionCharges	1239.4	14.1	1225.3	1477.2	251.9	0	140	0	140	0.1130	
Dracut 20	1623.1	3.4	1619.7	7300.0	5680.3	70	1134	0	1204	0.7419	
ENGTGPZ4	2239.8	62.4	2177.4	9125.0	6947.6	666	0	0	666	0.2976	
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126	

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:23:41

NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5768.4	12.1	5756.3	73000.0	67243.7	250		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2453.9	6.9	2447.1	56666.3	54219.2	79	0	0	79	0.0323
LNGtoLNG	124.3	0.0	124.3	2920.0	2795.7	62	0	0	62	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3426.4	54.5	3371.9	3400.3	28.3	0	3434	0	3434	1.0023
PNGTS2RT101	3371.9	50.6	3321.4	3349.3	27.9	0		0		
Total		312.3				2415				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	178	Transportation Cost	2440	JAN 19, 2028	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	199.95
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	199.95
Total Variable	████	Total Variable	250	Total Variable	2440		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	139069
						Total Revenue	0
						Net Cost	139069

Avg Cost of Served Demand 6.885 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.476 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0
Total	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2364.0	18300.0	15936.0			3.2260	7626	0	7626		3.2260
ENGNiagara	1149.8	1170.5	20.7			2.6436	3040	0	3040		2.6436
ENGPNGTS	345.0	366.0	21.0			3.4574	1193	0	1193		3.4574
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6698.7	6698.7	0.0			2.4899	16679	0	16679		2.4899
Dracut 20	2873.2	7393.2	4520.0			5.0301	14452	0	14452		5.0301
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENG Dawn	1296.7	2196.0	899.3			3.1131	4037	0	4037		3.1131
DAWN	3445.0	3464.7	19.6			3.0864	10633	0	10633		3.0864

Base Case
- Draw 0

Ventyx
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Report 1 (Continued) 09:23:41

NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2659.7	10980.0	8320.3			5.5440	14745	0	14745	5.5440
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	20832.0									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	122.8	122.8	0	0.0	13	100	0.0	0	77	78	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3715	3744	29
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	260	263	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1686	1709	23
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	603	612	9
GranBrdgLNG	1845	89	2857.2	2597.4	0	259.7	1845	89	26.0	0	5270	5322	52
Total	4376	94	5819.7	5533.2	0	286.6	4376	94	31.6	0	11771	11887	116

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2364.0	0.0	2364.0	7904.1	5540.1	0	5043	0	5043	2.1334	
ENGTGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572	
ENGTGPLong	6115.2	0.0	6115.2	8719.7	2604.5	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2807.2	23.9	2783.4	10290.1	7506.7	316	2688	0	3004	1.0700	
TrCanCharges	1281.9	14.7	1267.2	1481.2	214.0	0	698	0	698	0.5442	
IroqCharges	1267.2	7.9	1259.3	1481.2	221.9	112	640	0	752	0.5936	
ENGPNGTS	345.0	3.5	341.5	366.0	24.5	1	312	0	312	0.9056	
ENGLNG	122.8	0.0	122.8	8678.6	8555.8	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	3845.1	8.1	3837.0	10980.0	7143.0	167	4388	0	4555	1.1847	
UnionCharges	1296.7	14.8	1281.9	1481.2	199.3	0	140	0	140	0.1080	
Dracut 20	1687.8	3.5	1684.2	7320.0	5635.8	73	1134	0	1207	0.7151	
ENGTGPZ4	2258.6	62.9	2195.6	9150.0	6954.4	672	0	0	672	0.2976	
Z4toTGPLH	3953.2	33.6	3919.6	7686.0	3766.4	445	0	0	445	0.1126	

Base Case
- Draw 0

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Report 1 (Continued) 09:23:41

NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5781.2	12.1	5769.1	73200.0	67430.9	251		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2448.7	6.9	2441.8	56821.5	54379.7	79	0	0	79	0.0323
LNGtoLNG	122.8	0.0	122.8	2928.0	2805.2	61	0	0	61	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3445.0	54.8	3390.3	3409.6	19.3	0	3434	0	3434	0.9969
PNGTS2RT101	3390.3	50.9	3339.4	3358.4	19.0	0		0		
Total		315.8				2440				

Base Case
- Draw 0

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Report 1 09:23:41

NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	177	Transportation Cost	2446	JAN 19, 2029	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	203.49
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	203.49
Total Variable	████	Total Variable	249	Total Variable	2446		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	141468
						Total Revenue	0
						Net Cost	141468

Avg Cost of Served Demand 6.910 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.544 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0
Total	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2355.0	18250.0	15895.0			3.2573	7671	0	7671		3.2573
ENGNiagara	1146.6	1167.3	20.6			2.6691	3061	0	3061		2.6691
ENGPNGTS	344.0	365.0	21.0			3.4838	1198	0	1198		3.4838
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5143	16821	0	16821		2.5143
Dracut 20	2905.1	7373.0	4467.9			5.1123	14852	0	14852		5.1123
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENG Dawn	1320.7	2190.0	869.3			3.1395	4146	0	4146		3.1395
DAWN	3440.7	3455.2	14.5			3.1162	10722	0	10722		3.1162

Base Case
- Draw 0

Ventyx
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NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2902.5	10950.0	8047.5			5.6247	16326	0	16326	5.6247
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21105.1									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	118.6	118.6	0	0.0	13	100	0.0	0	78	78	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3744	3790	46
ENGDominion	103	100	107.6	105.5	0	2.1	103	100	0.0	0	263	265	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1709	1718	9
ENGHON	246	100	231.0	231.0	0	0.0	246	100	0.0	0	612	617	5
GranBrdgLNG	1845	89	2842.2	2583.8	0	258.4	1845	89	25.8	0	5322	5372	50
Total	4376	94	5795.7	5510.6	0	285.2	4376	94	31.5	0	11887	12000	113

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2355.0	0.0	2355.0	7882.5	5527.5	0	5043	0	5043	2.1415	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6103.0	0.0	6103.0	8698.1	2595.1	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2802.5	23.8	2778.7	10262.0	7483.3	316	2688	0	3003	1.0716	
TrCanCharges	1305.7	15.0	1290.7	1477.2	186.5	0	698	0	698	0.5343	
IroqCharges	1290.7	8.0	1282.6	1477.2	194.5	115	640	0	754	0.5844	
ENGPNGTS	344.0	3.4	340.6	365.0	24.4	1	312	0	312	0.9082	
ENGLNG	118.6	0.0	118.6	8654.9	8536.3	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3962.5	8.3	3954.2	10950.0	6995.8	172	4388	0	4560	1.1509	
UnionCharges	1320.7	15.0	1305.7	1477.2	171.5	0	140	0	140	0.1060	
Dracut 20	1845.2	3.9	1841.3	7300.0	5458.7	80	1134	0	1214	0.6578	
ENGTGPZ4	2249.6	62.7	2186.9	9125.0	6938.1	669	0	0	669	0.2976	
Z4toTGPLH	3949.6	33.6	3916.0	7665.0	3749.0	445	0	0	445	0.1126	

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2740.8	9.0	2731.7	7882.5	5150.8	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5767.7	12.1	5755.6	73000.0	67244.4	250		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2439.3	6.8	2432.5	56666.3	54233.7	79	0	0	79	0.0323
LNGtoLNG	118.6	0.0	118.6	2920.0	2801.4	59	0	0	59	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3440.7	54.7	3386.0	3400.3	14.3	0	3434	0	3434	0.9981
PNGTS2RT101	3386.0	50.8	3335.2	3349.3	14.1	0		0		
Total		316.5				2446				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 09:23:41

NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	176	Transportation Cost	2460	JAN 19, 2030	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	206.79
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	206.79
Total Variable	████	Total Variable	248	Total Variable	2460		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	144222
						Total Revenue	0
						Net Cost	144222

Avg Cost of Served Demand 6.934 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.618 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0
Total	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2359.7	18250.0	15890.3			3.2896	7762	0	7762		3.2896
ENGNiagara	1146.6	1167.3	20.6			2.6958	3091	0	3091		2.6958
ENGPNGTS	345.6	365.0	19.4			3.5320	1221	0	1221		3.5320
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5394	16990	0	16990		2.5394
Dracut 20	3016.4	7373.0	4356.6			5.2047	15699	0	15699		5.2047
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENGDawn	1337.3	2190.0	852.7			3.1683	4237	0	4237		3.1683
DAWN	3443.2	3455.2	12.0			3.1473	10837	0	10837		3.1473

Base Case
- Draw 0

Ventyx
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NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3091.5	10950.0	7858.5			5.7263	17703	0	17703	5.7263
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21430.7									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	116.1	116.1	0	0.0	13	100	0.0	0	78	79	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3790	3826	36
ENGDominion	103	100	107.0	104.9	0	2.1	103	100	0.0	0	265	267	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1718	1735	16
ENGHON	246	100	231.0	231.0	0	0.0	246	100	0.0	0	617	623	6
GranBrdgLNG	1845	89	2822.0	2565.4	0	256.5	1845	89	25.7	0	5372	5422	50
Total	4376	94	5772.4	5489.1	0	283.3	4376	94	31.3	0	12000	12112	112

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2359.7	0.0	2359.7	7882.5	5522.8	0	5043	0	5043	2.1373	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6108.1	0.0	6108.1	8698.1	2590.0	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2802.0	23.8	2778.1	10262.0	7483.8	316	2688	0	3003	1.0718	
TrCanCharges	1322.0	15.2	1306.8	1477.2	170.3	0	698	0	698	0.5277	
IroqCharges	1306.8	8.1	1298.7	1477.2	178.4	116	640	0	756	0.5783	
ENGPNGTS	345.6	3.5	342.2	365.0	22.8	1	312	0	312	0.9040	
ENGLNG	116.1	0.0	116.1	8654.9	8538.8	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4102.7	8.6	4094.1	10950.0	6855.9	178	4388	0	4566	1.1130	
UnionCharges	1337.3	15.2	1322.0	1477.2	155.1	0	140	0	140	0.1047	
Dracut 20	2005.2	4.2	2001.0	7300.0	5299.0	87	1134	0	1221	0.6088	
ENGTGPZ4	2254.3	62.8	2191.5	9125.0	6933.5	671	0	0	671	0.2976	
Z4toTGPLH	3950.2	33.6	3916.6	7665.0	3748.4	445	0	0	445	0.1126	

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:23:41

NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2740.2	9.0	2731.1	7882.5	5151.4	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5754.5	12.1	5742.5	73000.0	67257.5	250		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2423.7	6.8	2416.9	56666.3	54249.4	78	0	0	78	0.0323
LNGtoLNG	116.1	0.0	116.1	2920.0	2803.9	58	0	0	58	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3443.2	54.7	3388.5	3400.3	11.8	0	3434	0	3434	0.9974
PNGTS2RT101	3388.5	50.8	3337.7	3349.3	11.6	0		0		
Total		317.8				2460				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 09:23:41

NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	175	Transportation Cost	2473	JAN 19, 2031	
Penalty Cost	0	Withdrawal Cost	71	Other Variable Cost	0	System Served	210.02
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	210.02
Total Variable	████	Total Variable	246	Total Variable	2473		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	146985
						Total Revenue	0
						Net Cost	146985

Avg Cost of Served Demand 6.963 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.693 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0	
Total	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2362.9	18250.0	15887.1			3.3221	7850	0	7850	3.3221
ENGNiagara	1146.6	1167.3	20.6			2.7228	3122	0	3122	2.7228
ENGPNGTS	347.9	365.0	17.1			3.5863	1248	0	1248	3.5863
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5648	17159	0	17159	2.5648
Dracut 20	3148.4	7373.0	4224.6			5.2593	16558	0	16558	5.2593
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDawn	1351.8	2190.0	838.2			3.1978	4323	0	4323	3.1978
DAWN	3444.4	3455.2	10.8			3.1787	10949	0	10949	3.1787

Base Case
- Draw 0

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Report 1 (Continued) 09:23:41

NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3247.3	10950.0	7702.7			5.8764	19082	0	19082	5.8764
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21739.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	116.1	116.1	0	0.0	13	100	0.0	0	79	80	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3826	3863	37
ENGDominion	103	100	107.0	104.9	0	2.1	103	100	0.0	0	267	270	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1735	1750	16
ENGHON	246	100	231.0	231.0	0	0.0	246	100	0.0	0	623	629	7
GranBrdgLNG	1845	89	2794.7	2539.9	0	254.1	1846	89	25.4	1	5422	5475	52
Total	4376	94	5745.2	5463.6	0	280.8	4377	94	31.0	1	12112	12227	115

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2362.9	0.0	2362.9	7882.5	5519.6	0	5043	0	5043	2.1343	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6111.3	0.0	6111.3	8698.1	2586.8	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2802.0	23.8	2778.1	10262.0	7483.8	316	2688	0	3003	1.0718	
TrCanCharges	1336.4	15.4	1321.0	1477.2	156.1	0	698	0	698	0.5220	
IroqCharges	1321.0	8.2	1312.8	1477.2	164.3	117	640	0	757	0.5730	
ENGPNGTS	347.9	3.5	344.4	365.0	20.6	1	312	0	312	0.8980	
ENGLNG	116.1	0.0	116.1	8654.9	8538.8	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4122.8	8.7	4114.1	10950.0	6835.9	179	4388	0	4567	1.1078	
UnionCharges	1351.8	15.4	1336.4	1477.2	140.8	0	140	0	140	0.1036	
Dracut 20	2272.8	4.8	2268.1	7300.0	5031.9	99	1134	0	1232	0.5422	
ENGTGPZ4	2257.5	62.9	2194.6	9125.0	6930.4	672	0	0	672	0.2976	
Z4toTGPLH	3950.2	33.6	3916.6	7665.0	3748.4	445	0	0	445	0.1126	

Base Case
- Draw 0

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NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2740.2	9.0	2731.1	7882.5	5151.4	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5730.5	12.0	5718.5	73000.0	67281.5	249		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2398.4	6.7	2391.7	56666.3	54274.5	77	0	0	78	0.0323
LNGtoLNG	116.1	0.0	116.1	2920.0	2803.9	58	0	0	58	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3444.4	54.8	3389.6	3400.3	10.6	0	3434	0	3434	0.9971
PNGTS2RT101	3389.6	50.8	3338.8	3349.3	10.5	0		0		
Total		318.8				2473				

Base Case
- Draw 0

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NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	173	Transportation Cost	2491	JAN 19, 2032	
Penalty Cost	0	Withdrawal Cost	71	Other Variable Cost	0	System Served	212.97
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	212.97
Total Variable	████	Total Variable	244	Total Variable	2491		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	150208
						Total Revenue	0
						Net Cost	150208

Avg Cost of Served Demand 6.994 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.776 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0	
Total	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2380.2	18300.0	15919.8			3.3556	7987	0	7987	3.3556
ENGNiagara	1149.8	1170.5	20.7			2.7509	3163	0	3163	2.7509
ENGPNGTS	359.0	366.0	7.0			3.7113	1332	0	1332	3.7113
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6698.7	6698.7	0.0			2.5910	17356	0	17356	2.5910
Dracut 20	3192.9	7393.2	4200.3			5.4077	17267	0	17267	5.4077
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1368.3	2196.0	827.7			3.2288	4418	0	4418	3.2288
DAWN	3454.8	3464.7	9.8			3.2113	11094	0	11094	3.2113

Base Case
- Draw 0

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NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3506.0	10980.0	7474.0			5.9555	20880	0	20880	5.9555
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22109.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	114.5	114.5	0	0.0	13	100	0.0	0	80	80	1
ENGFSMA	1498	96	1775.6	1756.6	0	19.0	1498	96	0.0	0	3863	3900	38
ENGDominion	103	100	107.6	105.5	0	2.1	103	100	0.0	0	270	272	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1750	1767	17
ENGHON	246	100	228.6	228.6	0	0.0	246	100	0.0	0	629	635	6
GranBrdgLNG	1846	89	2765.2	2510.5	0	251.4	1849	89	25.1	3	5475	5538	63
Total	4377	94	5712.3	5430.9	0	278.2	4380	94	30.8	3	12227	12353	127

Transportation Summary											
	Total	Fuel						Cap Rel		Average	
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	Cost
ENG TG PProd	2380.2	0.0	2380.2	7904.1	5524.0	0	5043	0	5043	2.1189	
ENG TG P2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572	
ENG TG PLong	6138.0	0.0	6138.0	8719.7	2581.7	0	0	0	0	0.0000	
ENG TG PBNd	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENG TG PShort	2800.2	23.8	2776.4	10290.1	7513.7	315	2688	0	3003	1.0724	
TrCanCharges	1352.7	15.6	1337.2	1481.2	144.0	0	698	0	698	0.5157	
IroqCharges	1337.2	8.3	1328.9	1481.2	152.3	119	640	0	758	0.5672	
ENG PNGTS	359.0	3.6	355.4	366.0	10.6	1	312	0	312	0.8703	
ENGLNG	114.5	0.0	114.5	8678.6	8564.1	0	0	0	0	0.0000	
ENG Propane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG C3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	4497.3	9.4	4487.9	10980.0	6492.1	195	4388	0	4584	1.0192	
UnionCharges	1368.3	15.6	1352.7	1481.2	128.5	0	140	0	140	0.1023	
Dracut 20	2201.6	4.6	2196.9	7320.0	5123.1	96	1134	0	1229	0.5584	
ENG TG PZ4	2274.8	63.4	2211.4	9150.0	6938.6	677	0	0	677	0.2976	
Z4toTG PLH	3960.3	33.7	3926.6	7686.0	3759.4	446	0	0	446	0.1126	

Base Case
- Draw 0

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NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2738.4	9.0	2729.4	7904.1	5174.7	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5713.2	12.0	5701.2	73200.0	67498.8	248		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2371.0	6.6	2364.3	56821.5	54457.2	77	0	0	77	0.0323
LNGtoLNG	114.5	0.0	114.5	2928.0	2813.5	57	0	0	57	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3454.8	54.9	3399.9	3409.6	9.7	0	3434	0	3434	0.9940
PNGTS2RT101	3399.9	51.0	3348.9	3358.4	9.5	0		0		
Total		320.8				2491				

Base Case
- Draw 0

Ventyx
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NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	172	Transportation Cost	2494	JAN 19, 2033	
Penalty Cost	0	Withdrawal Cost	71	Other Variable Cost	0	System Served	215.84
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	215.84
Total Variable	████	Total Variable	243	Total Variable	2494		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	152541
						Total Revenue	0
						Net Cost	152541

Avg Cost of Served Demand 7.037 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.848 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0	
Total	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2369.9	18250.0	15880.1			3.3882	8030	0	8030	3.3882
ENGNiagara	1146.6	1167.3	20.6			2.7775	3185	0	3185	2.7775
ENGPNGTS	359.0	365.0	6.0			3.7485	1346	0	1346	3.7485
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6163	17504	0	17504	2.6163
Dracut 20	3269.3	7373.0	4103.7			5.5249	18062	0	18062	5.5249
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1376.2	2190.0	813.8			3.2584	4484	0	4484	3.2584
DAWN	3446.3	3455.2	8.9			3.2424	11174	0	11174	3.2424

Base Case
- Draw 0

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NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3649.0	10950.0	7301.0			6.0407	22043	0	22043	6.0407
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22306.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	112.4	112.4	0	0.0	13	100	0.0	0	80	81	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3900	3936	36
ENGDominion	103	100	106.1	104.0	0	2.1	103	100	0.0	0	272	275	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1767	1784	17
ENGHON	246	100	227.5	227.5	0	0.0	246	100	0.0	0	635	642	7
GranBrdgLNG	1849	89	2743.2	2492.7	0	249.4	1851	89	24.9	1	5538	5592	54
Total	4380	94	5685.5	5408.3	0	276.1	4381	94	30.6	1	12353	12471	118

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPPProd	2369.9	0.0	2369.9	7882.5	5512.6	0	5043	0	5043	2.1280	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6122.5	0.0	6122.5	8698.1	2575.6	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2797.5	23.8	2773.8	10262.0	7488.2	315	2688	0	3003	1.0734	
TrCanCharges	1360.5	15.6	1344.9	1477.2	132.3	0	698	0	698	0.5127	
IroqCharges	1344.9	8.3	1336.5	1477.2	140.6	119	640	0	759	0.5644	
ENGPNGTS	359.0	3.6	355.4	365.0	9.6	1	312	0	312	0.8703	
ENGLNG	112.4	0.0	112.4	8654.9	8542.5	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4495.3	9.4	4485.8	10950.0	6464.2	195	4388	0	4583	1.0196	
UnionCharges	1376.2	15.7	1360.5	1477.2	116.7	0	140	0	140	0.1017	
Dracut 20	2423.0	5.1	2417.9	7300.0	4882.1	105	1134	0	1239	0.5113	
ENGTGPZ4	2264.5	63.1	2201.4	9125.0	6923.6	674	0	0	674	0.2976	
Z4toTGPLH	3954.7	33.6	3921.1	7665.0	3743.9	445	0	0	445	0.1126	

Base Case
- Draw 0

Ventyx
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Report 1 (Continued) 09:23:41

NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2735.7	9.0	2726.7	7882.5	5155.8	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5689.4	11.9	5677.4	73000.0	67322.6	247		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2355.4	6.6	2348.8	56666.3	54317.5	76	0	0	76	0.0323
LNGtoLNG	112.4	0.0	112.4	2920.0	2807.6	56	0	0	56	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3446.3	54.8	3391.5	3400.3	8.8	0	3434	0	3434	0.9965
PNGTS2RT101	3391.5	50.9	3340.6	3349.3	8.6	0		0		
Total		320.8				2494				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 09:23:41

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	169	Transportation Cost	2503	JAN 19, 2034	
Penalty Cost	0	Withdrawal Cost	70	Other Variable Cost	0	System Served	218.83
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	218.83
Total Variable	████	Total Variable	240	Total Variable	2503		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	155580
						Total Revenue	0
						Net Cost	155580

Avg Cost of Served Demand 7.085 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.935 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0
Total	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2372.9	18250.0	15877.1			3.4218	8119	0	8119	3.4218
ENGNiagara	1146.6	1167.3	20.6			2.8053	3217	0	3217	2.8053
ENGPNGTS	359.3	365.0	5.7			3.7865	1360	0	1360	3.7865
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6425	17679	0	17679	2.6425
Dracut 20	3465.9	7373.0	3907.1			5.6029	19419	0	19419	5.6029
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1387.2	2190.0	802.8			3.2893	4563	0	4563	3.2893
DAWN	3447.2	3455.2	8.0			3.2748	11289	0	11289	3.2748

Base Case
- Draw 0

Ventyx
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NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3714.5	10950.0	7235.5			6.2498	23215	0	23215	6.2498
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22584.1									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	112.4	112.4	0	0.0	13	100	0.0	0	81	82	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3936	3973	37
ENGDominion	103	100	107.6	105.5	0	2.1	103	100	0.0	0	275	278	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1784	1803	19
ENGHON	246	100	226.3	226.3	0	0.0	246	100	0.0	0	642	648	6
GranBrdgLNG	1851	89	2676.5	2431.2	0	243.3	1853	89	24.3	2	5592	5651	59
Total	4381	94	5619.2	5347.0	0	270.1	4383	94	30.0	2	12471	12594	123

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPPProd	2372.9	0.0	2372.9	7882.5	5509.7	0	5043	0	5043	2.1254	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6125.0	0.0	6125.0	8698.1	2573.1	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2797.8	23.8	2774.1	10262.0	7487.9	315	2688	0	3003	1.0733	
TrCanCharges	1371.4	15.8	1355.6	1477.2	121.5	0	698	0	698	0.5087	
IroqCharges	1355.6	8.4	1347.2	1477.2	129.9	120	640	0	760	0.5607	
ENGPNGTS	359.3	3.6	355.7	365.0	9.3	1	312	0	312	0.8697	
ENGLNG	112.4	0.0	112.4	8654.9	8542.5	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4715.9	9.9	4706.0	10950.0	6244.0	205	4388	0	4593	0.9739	
UnionCharges	1387.2	15.8	1371.4	1477.2	105.7	0	140	0	140	0.1009	
Dracut 20	2464.6	5.2	2459.4	7300.0	4840.6	107	1134	0	1241	0.5034	
ENGTGPZ4	2267.5	63.2	2204.3	9125.0	6920.7	675	0	0	675	0.2976	
Z4toTGPLH	3954.3	33.6	3920.7	7665.0	3744.3	445	0	0	445	0.1126	

Base Case
- Draw 0

Ventyx
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NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2736.1	9.0	2727.0	7882.5	5155.5	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5629.5	11.8	5617.7	73000.0	67382.3	244		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2294.5	6.4	2288.0	56666.3	54378.2	74	0	0	74	0.0323
LNGtoLNG	112.4	0.0	112.4	2920.0	2807.6	56	0	0	56	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3447.2	54.8	3392.4	3400.3	7.9	0	3434	0	3434	0.9963
PNGTS2RT101	3392.4	50.9	3341.5	3349.3	7.8	0		0		
Total		321.5				2503				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	166	Transportation Cost	2510	JAN 19, 2035	
Penalty Cost	0	Withdrawal Cost	70	Other Variable Cost	0	System Served	221.63
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	221.63
Total Variable	████	Total Variable	236	Total Variable	2510		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	158624
						Total Revenue	0
						Net Cost	158624

Avg Cost of Served Demand 7.136 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.023 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0
Total	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2375.9	18250.0	15874.1			3.4556	8210	0	8210	3.4556
ENGNiagara	1146.6	1167.3	20.6			2.8333	3249	0	3249	2.8333
ENGPNGTS	360.0	365.0	5.0			3.8256	1377	0	1377	3.8256
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6689	17856	0	17856	2.6689
Dracut 20	3541.3	7373.0	3831.7			5.7527	20372	0	20372	5.7527
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1397.1	2190.0	792.9			3.3207	4639	0	4639	3.3207
DAWN	3448.0	3455.2	7.2			3.3075	11404	0	11404	3.3075

Base Case
- Draw 0

Ventyx
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NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3885.6	10950.0	7064.4			6.3812	24795	0	24795	6.3812
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22844.8									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	109.3	109.3	0	0.0	13	100	0.0	0	82	82	1
ENGFSMA	1498	96	1775.4	1756.4	0	19.0	1498	96	0.0	0	3973	4012	39
ENGDominion	103	100	105.2	103.1	0	2.1	103	100	0.0	0	278	280	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1803	1820	17
ENGHON	246	100	226.3	226.3	0	0.0	246	100	0.0	0	648	654	7
GranBrdgLNG	1853	89	2613.1	2373.8	0	237.6	1854	90	23.7	2	5651	5708	57
Total	4383	94	5550.1	5284.1	0	264.3	4385	94	29.4	2	12594	12717	122

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2375.9	0.0	2375.9	7882.5	5506.6	0	5043	0	5043	2.1227	
ENGTGP2Stg	105.3	2.2	103.1	7882.5	7779.4	27	0	0	27	0.2572	
ENGTGPLong	6130.4	0.0	6130.4	8698.1	2567.7	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPSshort	2795.4	23.8	2771.6	10262.0	7490.4	315	2688	0	3003	1.0741	
TrCanCharges	1381.1	15.9	1365.3	1477.2	111.9	0	698	0	698	0.5051	
IroqCharges	1365.3	8.5	1356.8	1477.2	120.4	121	640	0	761	0.5573	
ENGPNGTS	360.0	3.6	356.4	365.0	8.6	1	312	0	312	0.8679	
ENGLNG	109.3	0.0	109.3	8654.9	8545.6	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4923.4	10.3	4913.1	10950.0	6036.9	214	4388	0	4602	0.9347	
UnionCharges	1397.1	15.9	1381.1	1477.2	96.0	0	140	0	140	0.1002	
Dracut 20	2503.5	5.3	2498.2	7300.0	4801.8	109	1134	0	1242	0.4963	
ENGTGPZ4	2270.6	63.3	2207.3	9125.0	6917.7	676	0	0	676	0.2976	
Z4toTGPLH	3956.7	33.6	3923.1	7665.0	3741.9	446	0	0	446	0.1126	

Base Case
- Draw 0

Ventyx
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NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2733.7	9.0	2724.6	7882.5	5157.9	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5576.7	11.7	5565.0	73000.0	67435.0	242		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2240.7	6.3	2234.5	56666.3	54431.8	72	0	0	72	0.0323
LNGtoLNG	109.3	0.0	109.3	2920.0	2810.7	55	0	0	55	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3448.0	54.8	3393.1	3400.3	7.1	0	3434	0	3434	0.9960
PNGTS2RT101	3393.1	50.9	3342.2	3349.3	7.0	0		0		
Total		322.1				2510				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 09:23:41

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	163	Transportation Cost	2524	JAN 19, 2036	
Penalty Cost	0	Withdrawal Cost	69	Other Variable Cost	0	System Served	224.15
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	224.15
Total Variable	████	Total Variable	232	Total Variable	2524		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	162326
						Total Revenue	0
						Net Cost	162326

Avg Cost of Served Demand 7.194 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.125 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0	
Total	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2392.6	18300.0	15907.4			3.4905	8351	0	8351	3.4905
ENGNiagara	1149.8	1170.5	20.7			2.8626	3291	0	3291	2.8626
ENGPNGTS	361.0	366.0	5.0			3.8719	1398	0	1398	3.8719
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6698.7	6698.7	0.0			2.6962	18061	0	18061	2.6962
Dracut 20	3691.2	7393.2	3702.0			5.8628	21640	0	21640	5.8628
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1410.6	2196.0	785.4			3.3534	4730	0	4730	3.3534
DAWN	3458.0	3464.7	6.7			3.3415	11555	0	11555	3.3415

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:23:41

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	4013.5	10980.0	6966.5			6.6196	26568	0	26568	6.6196
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	23175.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	106.9	106.9	0	0.0	13	100	0.0	0	82	83	1
ENGFSMA	1498	96	1774.4	1755.4	0	19.0	1498	96	0.0	0	4012	4051	38
ENGDominion	103	100	104.9	102.8	0	2.0	103	100	0.0	0	280	283	2
ENGNGFG	671	100	721.7	716.0	0	5.7	671	100	5.7	0	1820	1837	18
ENGHON	246	100	227.6	227.6	0	0.0	246	100	0.0	0	654	661	6
GranBrdgLNG	1854	90	2539.3	2307.2	0	230.8	1856	90	23.1	1	5708	5765	57
Total	4385	94	5474.7	5215.9	0	257.6	4386	94	28.7	1	12717	12840	123

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2392.6	0.0	2392.6	7904.1	5511.6	0	5043	0	5043	2.1079	
ENGTGP2Stg	105.1	2.1	103.0	7904.1	7801.2	27	0	0	27	0.2572	
ENGTGPLong	6154.1	0.0	6154.1	8719.7	2565.6	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2796.2	23.8	2772.4	10290.1	7517.7	315	2688	0	3003	1.0738	
TrCanCharges	1394.6	16.0	1378.5	1481.2	102.7	0	698	0	698	0.5002	
IroqCharges	1378.5	8.5	1370.0	1481.2	111.2	122	640	0	762	0.5528	
ENGPNGTS	361.0	3.6	357.4	366.0	8.6	1	312	0	312	0.8655	
ENGLNG	106.9	0.0	106.9	8678.6	8571.7	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	5063.3	10.6	5052.6	10980.0	5927.4	220	4388	0	4608	0.9101	
UnionCharges	1410.6	16.1	1394.6	1481.2	86.6	0	140	0	140	0.0993	
Dracut 20	2641.4	5.5	2635.8	7320.0	4684.2	115	1134	0	1248	0.4726	
ENGTGPZ4	2287.5	63.8	2223.7	9150.0	6926.3	681	0	0	681	0.2976	
Z4toTGPLH	3964.1	33.7	3930.4	7686.0	3755.6	446	0	0	446	0.1126	

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:23:41

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2734.6	9.0	2725.6	7904.1	5178.5	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5523.1	11.6	5511.5	73200.0	67688.5	240		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2177.3	6.1	2171.2	56821.5	54650.3	70	0	0	70	0.0323
LNGtoLNG	106.9	0.0	106.9	2928.0	2821.1	53	0	0	53	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3458.0	55.0	3403.0	3409.6	6.6	0	3434	0	3434	0.9931
PNGTS2RT101	3403.0	51.0	3351.9	3358.4	6.5	0		0		
Total		323.7				2524				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 09:23:41

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	161	Transportation Cost	2524	JAN 19, 2037	
Penalty Cost	0	Withdrawal Cost	69	Other Variable Cost	0	System Served	226.86
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	226.86
Total Variable	████	Total Variable	230	Total Variable	2524		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	165209
						Total Revenue	0
						Net Cost	165209

Avg Cost of Served Demand 7.264 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.218 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0
Total	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2380.8	18250.0	15869.2			3.5246	8391	0	8391	3.5246
ENGNiagara	1146.6	1167.3	20.6			2.8903	3314	0	3314	2.8903
ENGPNGTS	360.0	365.0	5.0			3.9025	1405	0	1405	3.9025
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.7226	18215	0	18215	2.7226
Dracut 20	3772.6	7373.0	3600.4			6.0385	22781	0	22781	6.0385
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDAWN	1416.0	2190.0	774.0			3.3846	4792	0	4792	3.3846
DAWN	3449.0	3455.2	6.2			3.3739	11637	0	11637	3.3739

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:23:41

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	4134.3	10950.0	6815.7			6.7592	27944	0	27944	6.7592
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	23349.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	103.6	103.6	0	0.0	13	100	0.0	0	83	84	1
ENGFSMA	1498	96	1772.6	1753.6	0	19.0	1498	96	0.0	0	4051	4091	40
ENGDominion	103	100	104.3	102.2	0	2.0	103	100	0.0	0	283	285	3
ENGNGFG	671	100	722.6	716.9	0	5.7	671	100	5.7	0	1837	1853	16
ENGHON	246	100	229.0	229.0	0	0.0	246	100	0.0	0	661	667	7
GranBrdgLNG	1856	90	2501.5	2272.8	0	227.4	1857	90	22.7	1	5765	5823	57
Total	4386	94	5433.5	5178.1	0	254.1	4387	94	28.4	1	12840	12963	124

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2380.8	0.0	2380.8	7882.5	5501.7	0	5043	0	5043	2.1183	
ENGTGP2Stg	105.7	2.2	103.5	7882.5	7779.0	27	0	0	27	0.2572	
ENGTGPLong	6134.6	0.0	6134.6	8698.1	2563.5	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2796.0	23.8	2772.3	10262.0	7489.7	315	2688	0	3003	1.0739	
TrCanCharges	1399.8	16.1	1383.7	1477.2	93.4	0	698	0	698	0.4983	
IroqCharges	1383.7	8.6	1375.2	1477.2	102.0	123	640	0	763	0.5511	
ENGPNGTS	360.0	3.6	356.4	365.0	8.6	1	312	0	312	0.8679	
ENGLNG	103.6	0.0	103.6	8654.9	8551.3	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	5237.7	11.0	5226.7	10950.0	5723.3	227	4388	0	4616	0.8812	
UnionCharges	1416.0	16.1	1399.8	1477.2	77.3	0	140	0	140	0.0989	
Dracut 20	2669.2	5.6	2663.6	7300.0	4636.4	116	1134	0	1250	0.4681	
ENGTGPZ4	2275.2	63.4	2211.8	9125.0	6913.2	677	0	0	677	0.2976	
Z4toTGPLH	3956.5	33.6	3922.8	7665.0	3742.2	446	0	0	446	0.1126	

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:23:41

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2733.9	9.0	2724.9	7882.5	5157.6	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5483.7	11.5	5472.2	73000.0	67527.8	238		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2146.5	6.0	2140.4	56666.3	54525.8	69	0	0	69	0.0323
LNGtoLNG	103.6	0.0	103.6	2920.0	2816.4	52	0	0	52	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3449.0	54.8	3394.2	3400.3	6.1	0	3434	0	3434	0.9957
PNGTS2RT101	3394.2	50.9	3343.3	3349.3	6.0	0		0		
Total		323.4				2524				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	83	Transportation Cost	2436	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	70	Other Variable Cost	0	System Served	229.59
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable	████	Total Variable	153	Total Variable	2436		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	161227
						Total Revenue	0
						Net Cost	161227

Avg Cost of Served Demand 7.008 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.350 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0	
Total	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2360.9	18250.0	15889.1			3.5631	8412	0	8412	3.5631
ENGNiagara	1146.6	1167.3	20.6			2.9192	3347	0	3347	2.9192
ENGPNGTS	360.0	365.0	5.0			3.9416	1419	0	1419	3.9416
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.7498	18397	0	18397	2.7498
Dracut 20	3190.6	7373.0	4182.4			6.5972	21049	0	21049	6.5972
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDawn	952.3	2190.0	1237.7			3.5129	3345	0	3345	3.5129
DAWN	2916.4	3455.2	538.8			3.4401	10033	0	10033	3.4401

Base Case
- Draw 0

Ventyx
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NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	4142.3	10950.0	6807.7			6.9189	28660	0	28660	6.9189
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21759.5									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	98.9	99.6	0	0.0	12	95	0.0	-1	84	83	-1
ENGFSMA	1498	96	1755.1	1751.9	0	18.8	1482	95	0.0	-16	4091	4088	-3
ENGDominion	103	100	106.4	104.3	0	2.1	103	100	0.0	0	285	289	3
ENGNGFG	671	100	722.5	716.8	0	5.7	671	100	5.7	0	1853	1873	20
ENGHON	246	100	229.0	229.0	0	0.0	246	100	0.0	0	667	673	6
GranBrdgLNG	1857	90	778.9	2357.9	0	70.8	207	10	23.6	-1650	5823	663	-5159
Total	4387	94	3690.8	5259.5	0	97.4	2721	58	29.2	-1666	12963	7830	-5134

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPPProd	2360.9	0.0	2360.9	7882.5	5521.7	0	5043	0	5043	2.1362	
ENGTGP2Stg	104.5	2.1	102.3	7882.5	7780.2	27	0	0	27	0.2572	
ENGTGPLong	6130.6	0.0	6130.6	8698.1	2567.5	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2796.4	23.8	2772.6	10262.0	7489.4	315	2688	0	3003	1.0738	
TrCanCharges	941.4	10.8	930.6	1477.2	546.5	0	698	0	698	0.7410	
IroqCharges	930.6	5.8	924.8	1477.2	552.3	83	640	0	722	0.7762	
ENGPNGTS	360.0	3.6	356.4	365.0	8.6	1	312	0	312	0.8679	
ENGLNG	99.6	0.0	99.6	8654.9	8555.3	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4668.9	9.8	4659.1	10950.0	6290.9	203	4388	0	4591	0.9833	
UnionCharges	952.3	10.8	941.4	1477.2	535.7	0	140	0	140	0.1470	
Dracut 20	2664.0	5.6	2658.4	7300.0	4641.6	116	1134	0	1249	0.4690	
ENGTGPZ4	2256.4	62.9	2193.5	9125.0	6931.5	671	0	0	671	0.2976	
Z4toTGPLH	3970.8	33.8	3937.0	7665.0	3728.0	447	0	0	447	0.1126	

Base Case
- Draw 0

Ventyx
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Report 1 (Continued) 09:23:41

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2719.6	9.0	2710.6	7882.5	5171.9	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5056.1	10.6	5045.5	73000.0	67954.5	219		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2235.4	6.3	2229.1	56666.3	54437.1	72	0	0	72	0.0323
LNGtoLNG	98.9	0.0	98.9	2920.0	2821.1	49	0	0	49	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	2916.4	46.4	2870.0	3400.3	530.3	0	3434	0	3434	1.1776
PNGTS2RT101	2870.0	43.0	2826.9	3349.3	522.3	0		0		
Total		291.4				2436				

Base Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z 15-Nov-2017
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NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	██████	Injection Cost	3007	Transportation Cost	50126	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	1366	Other Variable Cost	0	System Served	229.59
Other Variable Cost	1702	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable	██████	Total Variable	4372	Total Variable	50126		
Demand/Reservation Co	██████	Demand Cost	██████	Demand Cost	██████		
Other Fixed Cost	13335	Other Fixed Cost	20435	Other Fixed Cost	0		
Total Fixed	██████	Total Fixed	██████	Total Fixed	██████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	██████	Net Storage Cost	██████	Net Trans Cost	██████	Total Gas Cost	2797138
						Total Revenue	0
						Net Cost	2797138

Avg Cost of Served Demand 6.724 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.725 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0
Total	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	49407.4	383500.0	334092.6			3.1820	157215	0	157215	3.1820
ENGNiagara	24086.5	24528.7	442.2			2.5609	61683	0	61683	2.5609
ENGPNGTS	6860.7	7670.0	809.3			3.5518	24368	0	24368	3.5518
ENG3Winter	458.7	1926.6	1467.9			15.0000	6881	0	6881	15.0000
ENG-Z4	140300.8	140539.9	239.0			2.4166	339053	0	339053	2.4166
DLiqWinter	1250.0	1250.0	0.0							
Dracut 20	62357.8	154934.0	92576.2			5.6001	349212	0	349212	5.6001
ENG3Summer	276.4	1962.6	1686.2			10.0000	2764	0	2764	10.0000
DLiqSummer	84.0	84.0	0.0							

Base Case
- Draw 0

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NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	24240.5	46020.0	21779.5			3.1405	76128	0	76128	3.1405
DAWN	60032.0	62874.4	2842.4			3.1084	186605	0	186605	3.1084
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	54759.9	230100.0	175340.1			6.1511	336835	0	336835	6.1511
Engie Combo	3150.0	3150.0	0.0							
Total	427264.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	3454.5	3455.1	0	0.0	12	95	0.0	-1	126	83	-43
ENGPropane	77	100	735.1	811.9	0	0.0	0	0	0.0	-77	953	160	-793
ENGFSMA	1482	95	37255.4	36856.7	0	398.6	1482	95	0.0	0	2573	4088	1515
ENGDominion	103	100	2260.9	2216.8	0	44.1	103	100	0.0	0	178	289	110
ENGNGFG	671	100	15146.7	15027.1	0	119.7	671	100	118.7	0	1164	1873	709
ENGHON	246	100	4863.4	4863.4	0	0.0	246	100	0.0	0	427	673	246
GranBrdgLNG	0	N/A	44131.7	39912.7	0	4012.0	207	10	399.1	207	0	663	663
Total	2591	N/A	107847.6	103143.7	0	4574.3	2721	102	517.8	130	5422	7830	2408

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	49407.4	0.0	49407.4	165641.3	116233.9	0	105908	0	105908	2.1436	
ENGTGP2Stg	2214.7	45.3	2169.4	165641.3	163471.9	570	0	0	570	0.2572	
ENGTGPLong	127928.0	0.0	127928.0	182768.0	54840.0	0	0	0	0	0.0000	
ENGTGPBND	24086.5	149.3	23937.1	23945.7	8.6	2056	5614	0	7670	0.3184	
ENGTGPShort	58845.3	500.2	58345.1	215642.1	157296.9	6628	56441	0	63069	1.0718	
TrCanCharges	23964.4	275.6	23688.8	31040.5	7351.7	0	14649	0	14649	0.6113	
IroqCharges	23688.8	146.9	23541.9	31040.5	7498.6	2102	13435	0	15537	0.6559	
ENGPNGTS	6860.7	68.6	6792.1	7670.0	877.9	12	6548	0	6560	0.9562	
ENGLNG	3455.1	0.0	3455.1	181871.0	178415.9	0	0	0	0	0.0000	
ENGPropane	811.9	0.0	811.9	133210.0	132398.1	0	0	0	0	0.0000	
ENG3Truck	735.1	0.0	735.1	92040.0	91304.9	735	0	0	735	1.0000	
Dracut 30	83868.3	176.1	83692.1	230100.0	146407.9	3641	92155	0	95795	1.1422	
UnionCharges	24240.5	276.1	23964.4	31040.5	7076.1	0	2940	0	2940	0.1213	

Base Case
- Draw 0

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NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	35508.2	74.6	35433.6	153400.0	117966.4	1541	23807	0	25349	0.7139
ENGTGPZ4	47192.7	1315.3	45877.4	191750.0	145872.6	14043	0	0	14043	0.2976
Z4toTGPLH	82753.9	703.4	82050.5	161070.0	79019.5	9321	0	0	9321	0.1126
Z4toStg	57546.9	189.9	57357.0	165641.3	108284.3	2851	0	0	2851	0.0495
Engie2CG	2900.0	8.1	2891.9	22232.0	19340.1	97	0	0	97	0.0334
GranBrdgPL	93469.7	196.3	93273.4	1241800.0	1148526.6	4057		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	37643.1	105.4	37537.7	1190767.5	1153229.8	1216	0	0	1217	0.0323
LNGtoLNG	1870.5	0.0	1870.5	61360.0	59489.5	935	0	0	935	0.5000
Engie2ENGLNG	250.0	0.0	250.0	1050.0	800.0	250	0	0	250	1.0000
Dawn2Dracut	2330.8	72.0	2258.7	4098.3	1839.5	70		0		
DAWNTCPL	57701.3	917.4	56783.8	57841.6	1057.8	0	58382	0	58382	1.0118
PNGTS2RT101	56783.8	851.8	55932.0	56974.0	1041.9	0		0		
Total		6072.3				50126				

Base Case

- Draw 0

Ventyx

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Report 1X

09:23:41

RESOURCE MIX RESULTS

Units: MDT

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	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Supplies	DAWN	NOV 2021	OCT 2038	0.00	150.00	9.47
	Repsol 40	NOV 2021	OCT 2038	0.00	150.00	0.00
	Engie Combo	NOV 2022	OCT 2038	0.00	7.00	0.00

	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Segments	Repsol to101	NOV 2021	OCT 2038	0.00	150.00	0.00
	Repsol2Drac	NOV 2017	OCT 2038	0.00	50.00	0.00
	Dawn2Dracut	NOV 2021	OCT 2038	0.00	150.00	0.00
	DAWNTCPL	NOV 2021	OCT 2038	0.00	150.00	9.32
	PNGTS2RT101	NOV 2021	OCT 2038	0.00	150.00	9.18

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Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2133	JAN 19, 2018	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	156.82
Other Variable Cost	339	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	156.82
Total Variable	████	Total Variable	94	Total Variable	2133		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85257
						Total Revenue	0
						Net Cost	85257

Avg Cost of Served Demand 5.453 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.167 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0
Total	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2331.2	18250.0	15918.8			3.0161	7031	0	7031	3.0161
ENGNIagara	1146.6	1167.3	20.6			2.3679	2715	0	2715	2.3679
ENGPNGTS	156.0	365.0	209.0			4.1356	645	0	645	4.1356
ENGC3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6592.1	6690.4	98.3			2.3200	15294	0	15294	2.3200
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2664.8	7373.0	4708.2			6.5749	17521	0	17521	6.5749
ENGC3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	754.8	2190.0	1435.2			3.1759	2397	0	2397	3.1759
DAWN	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1144.0	10950.0	9806.0			7.0902	8111	0	8111	7.0902
Engie Combo	630.0	630.0	0.0							
Total	15851.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	321.0	321.6	0	0.0	12	95	0.0	-1	126	103	-23
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	953	1043	90
ENGFSMA	1482	95	1774.0	1739.4	0	19.0	1498	96	0.0	16	2573	3507	935
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	178	242	64
ENGNGF	671	100	725.3	719.6	0	5.7	671	100	5.7	0	1164	1601	437
ENGHON	246	100	236.9	236.9	0	0.0	246	100	0.0	0	427	554	126
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2591	N/A	3326.8	3285.0	0	26.8	2606	N/A	5.7	15	5422	7050	1629

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2331.2	0.0	2331.2	7882.5	5551.4	0	5043	0	5043	2.1634
ENGTGP2Stg	107.8	2.2	105.6	7882.5	7777.0	28	0	0	28	0.2572
ENGTGPLong	5972.4	0.0	5972.4	8698.1	2725.7	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2796.9	23.8	2773.1	10262.0	7488.9	315	2688	0	3003	1.0736
TrCanCharges	746.2	8.6	737.6	1477.2	739.6	0	698	0	698	0.9349
IroqCharges	737.6	4.6	733.0	1477.2	744.1	65	640	0	705	0.9561
ENGPNGTS	156.0	1.6	154.4	365.0	210.6	0	312	0	312	2.0004
ENGLNG	321.6	0.0	321.6	8654.9	8333.2	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3221.0	6.8	3214.2	10950.0	7735.8	140	4388	0	4528	1.4058
UnionCharges	754.8	8.6	746.2	1477.2	731.0	0	140	0	140	0.1855

Base Case Sensitivity

- Draw 0

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NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	587.8	1.2	586.5	7300.0	6713.5	26	1134	0	1159	1.9722
ENGTGPZ4	2223.4	62.0	2161.4	9125.0	6963.6	662	0	0	662	0.2976
Z4toTGPLH	3843.6	32.7	3810.9	7665.0	3854.1	433	0	0	433	0.1126
Z4toStg	2748.5	9.1	2739.4	7882.5	5143.1	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		169.7				2133	15309		17442	0.6089

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2164	JAN 19, 2019	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	160.99
Other Variable Cost	339	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	160.99
Total Variable	████	Total Variable	94	Total Variable	2164		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85646
						Total Revenue	0
						Net Cost	85646

Avg Cost of Served Demand 5.328 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.004 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0
Total	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2334.7	18250.0	15915.3			2.9106	6795	0	6795	2.9106
ENGNiagara	1146.6	1167.3	20.6			2.1649	2482	0	2482	2.1649
ENGPNGTS	224.4	365.0	140.6			3.5436	795	0	795	3.5436
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6620.4	6690.4	70.0			2.1145	13999	0	13999	2.1145
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2688.0	7373.0	4685.0			6.4816	17423	0	17423	6.4816
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	766.8	2190.0	1423.2			2.9503	2262	0	2262	2.9503
DAWN	344.3	651.2	306.9			2.9377	1011	0	1011	2.9377
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1103.1	10950.0	9846.9			7.4634	8233	0	8233	7.4634
Engie Combo	630.0	630.0	0.0							
Total	16290.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	103	99	-5
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3507	3142	-366
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	242	222	-20
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1601	1432	-169
ENGHON	246	100	235.7	235.7	0	0.0	246	100	0.0	0	554	519	-35
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3323.7	3296.8	0	26.8	2606	N/A	5.6	0	7050	6456	-594

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2334.7	0.0	2334.7	7882.5	5547.9	0	5043	0	5043	2.1602
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6007.0	0.0	6007.0	8698.1	2691.1	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2809.3	23.9	2785.5	10262.0	7476.5	316	2688	0	3004	1.0693
TrCanCharges	758.1	8.7	749.4	1477.2	727.8	0	698	0	698	0.9202
IroqCharges	749.4	4.6	744.7	1477.2	732.4	67	640	0	706	0.9425
ENGPNGTS	224.4	2.2	222.2	365.0	142.8	0	312	0	312	1.3913
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3375.0	7.1	3367.9	10950.0	7582.1	147	4388	0	4535	1.3437
UnionCharges	766.8	8.7	758.1	1477.2	719.1	0	140	0	140	0.1826

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	749.9	1.6	748.3	7300.0	6551.7	33	1134	0	1166	1.5553
ENGTGPZ4	2228.3	62.1	2166.2	9125.0	6958.8	663	0	0	663	0.2976
Z4toTGPLH	3873.7	32.9	3840.8	7665.0	3824.2	436	0	0	436	0.1126
Z4toStg	2746.7	9.1	2737.6	7882.5	5144.9	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	344.3	10.6	333.7	651.2	317.5	10		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		182.5				2164				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2199	JAN 19, 2020	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	164.64
Other Variable Cost	340	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	164.64
Total Variable	████	Total Variable	94	Total Variable	2199		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	86721
						Total Revenue	0
						Net Cost	86721

Avg Cost of Served Demand 5.232 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.839 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0
Total	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2324.1	18300.0	15975.9			2.7954	6497	0	6497	2.7954
ENGNiagara	1144.7	1170.5	25.8			2.1355	2444	0	2444	2.1355
ENGPNGTS	277.9	366.0	88.1			3.2830	912	0	912	3.2830
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6657.9	6698.7	40.8			1.9745	13146	0	13146	1.9745
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2622.8	7393.2	4770.4			6.4332	16873	0	16873	6.4332
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENG Dawn	756.8	2196.0	1439.2			2.8586	2163	0	2163	2.8586
DAWN	898.0	1622.1	724.1			2.8309	2542	0	2542	2.8309
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1064.8	10980.0	9915.2			7.3659	7843	0	7843	7.3659
Engie Combo	630.0	630.0	0.0							
Total	16808.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	99	97	-1
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3142	2992	-150
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	222	211	-11
ENG NFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1432	1363	-69
ENG HON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	519	492	-27
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3322.5	3295.6	0	26.8	2606	N/A	5.6	0	6456	6197	-259

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2324.1	0.0	2324.1	7904.1	5580.1	0	5043	0	5043	2.1700	
ENGTGP2Stg	106.4	2.2	104.2	7904.1	7800.0	27	0	0	27	0.2572	
ENGTGPLong	6035.0	0.0	6035.0	8719.7	2684.6	0	0	0	0	0.0000	
ENGTGPBND	1144.7	7.1	1137.6	1142.7	5.1	98	267	0	365	0.3189	
ENGTGPShort	2808.2	23.9	2784.3	10290.1	7505.8	316	2688	0	3004	1.0697	
TrCanCharges	748.2	8.6	739.6	1481.2	741.6	0	698	0	698	0.9324	
IroqCharges	739.6	4.6	735.0	1481.2	746.2	66	640	0	705	0.9538	
ENGPNGTS	277.9	2.8	275.2	366.0	90.8	0	312	0	312	1.1236	
ENGLNG	321.0	0.0	321.0	8678.6	8357.6	0	0	0	0	0.0000	
ENGPropane	160.8	0.0	160.8	6370.0	6209.2	0	0	0	0	0.0000	
ENG C3Truck	160.8	0.0	160.8	4392.0	4231.2	161	0	0	161	1.0000	
Dracut 30	3779.8	7.9	3771.9	10980.0	7208.1	164	4388	0	4552	1.2044	
UnionCharges	756.8	8.6	748.2	1481.2	733.0	0	140	0	140	0.1850	

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:10:57

NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	778.0	1.6	776.4	7320.0	6543.6	34	1134	0	1167	1.5005
ENGTGPZ4	2217.7	61.8	2155.9	9150.0	6994.1	660	0	0	660	0.2976
Z4toTGPLH	3912.4	33.3	3879.1	7686.0	3806.9	441	0	0	441	0.1126
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1064.0	485.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	898.0	27.7	870.2	1622.1	751.9	27		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		200.8				2199				

Base Case Sensitivity
- Draw 0

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NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2220	JAN 19, 2021	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	168.93
Other Variable Cost	340	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	168.93
Total Variable	████	Total Variable	94	Total Variable	2220		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	89634
						Total Revenue	0
						Net Cost	89634

Avg Cost of Served Demand 5.272 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.888 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0
Total	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2314.5	18250.0	15935.5			2.8137	6512	0	6512	2.8137
ENGNiagara	1143.1	1167.3	24.1			2.1441	2451	0	2451	2.1441
ENGPNGTS	291.5	365.0	73.5			3.2469	947	0	947	3.2469
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6660.4	6690.4	30.0			1.9829	13207	0	13207	1.9829
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2702.8	7373.0	4670.2			6.4569	17452	0	17452	6.4569
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case Sensitivity
- Draw 0

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NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	761.3	2190.0	1428.7			2.8564	2174	0	2174	2.8564
DAWN	1088.5	1825.0	736.5			2.8117	3061	0	3061	2.8117
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1216.6	10950.0	9733.4			7.5006	9126	0	9126	7.5006
Engie Combo	630.0	630.0	0.0							
Total	17240.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	97	97	0
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	2992	3017	26
ENGDominion	103	100	108.5	106.4	0	2.1	103	100	0.0	0	211	212	1
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1363	1373	10
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	492	492	-0
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3320.1	3293.3	0	26.8	2606	N/A	5.6	0	6197	6234	37

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2314.5	0.0	2314.5	7882.5	5568.0	0	5043	0	5043	2.1790
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6030.6	0.0	6030.6	8698.1	2667.5	0	0	0	0	0.0000
ENGTGPBND	1143.1	7.1	1136.0	1139.5	3.5	98	267	0	365	0.3192
ENGTGPShort	2805.8	23.8	2782.0	10262.0	7480.0	316	2688	0	3004	1.0705
TrCanCharges	752.6	8.7	743.9	1477.2	733.2	0	698	0	698	0.9269
IroqCharges	743.9	4.6	739.3	1477.2	737.8	66	640	0	706	0.9487
ENGPNGTS	291.5	2.9	288.6	365.0	76.4	1	312	0	312	1.0714
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	4005.1	8.4	3996.7	10950.0	6953.3	174	4388	0	4562	1.1391
UnionCharges	761.3	8.7	752.6	1477.2	724.6	0	140	0	140	0.1839

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	969.1	2.0	967.1	7300.0	6332.9	42	1134	0	1176	1.2132
ENGTGPZ4	2208.1	61.5	2146.6	9125.0	6978.4	657	0	0	657	0.2976
Z4toTGPLH	3917.3	33.3	3884.0	7665.0	3781.0	441	0	0	441	0.1126
Z4toStg	2743.1	9.1	2734.1	7882.5	5148.5	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	1088.5	33.6	1054.8	1825.0	770.2	33		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		207.6				2220				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	136	Transportation Cost	2328	JAN 19, 2022	
Penalty Cost	0	Withdrawal Cost	48	Other Variable Cost	0	System Served	173.92
Other Variable Cost	313	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	173.92
Total Variable	████	Total Variable	185	Total Variable	2328		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2540	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	127960
						Total Revenue	0
						Net Cost	127960

Avg Cost of Served Demand 7.301 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.744 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0
Total	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2320.8	18250.0	15929.2			2.8385	6587	0	6587	2.8385
ENGNiagara	1146.6	1167.3	20.6			2.1909	2512	0	2512	2.1909
ENGPNGTS	330.0	365.0	35.0			3.1691	1046	0	1046	3.1691
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6690.4	6690.4	0.0			2.0466	13693	0	13693	2.0466
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2784.6	7373.0	4588.4			6.3964	17812	0	17812	6.3964
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
ENG Dawn	957.1	2190.0	1232.9			2.8201	2699	0	2699	2.8201

Base Case Sensitivity
- Draw 0

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NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	3257.4	3380.7	123.2			2.7433	8936	0	8936	2.7433
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1048.1	10950.0	9901.9			7.6847	8054	0	8054	7.6847
Engie Combo	630.0	630.0	0.0							
Total	19575.9									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	332.9	332.3	0	0.0	13	100	0.0	1	97	70	-27
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3017	3118	100
ENGDominion	103	100	108.3	106.2	0	2.1	103	100	0.0	0	212	219	7
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1373	1418	45
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	492	505	14
GranBrdgLNG	0	N/A	1949.1	221.5	0	177.2	1550	75	2.2	1550	0	3711	3711
Total	2606	N/A	5280.9	3525.9	0	204.0	4158	156	7.9	1551	6234	10084	3850

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2320.8	0.0	2320.8	7882.5	5561.8	0	5043	0	5043	2.1731
ENGTGP2Stg	105.5	2.2	103.4	7882.5	7779.2	27	0	0	27	0.2572
ENGTGPLong	6066.6	0.0	6066.6	8698.1	2631.5	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2805.6	23.8	2781.8	10262.0	7480.2	316	2688	0	3004	1.0706
TrCanCharges	946.2	10.9	935.3	1477.2	541.8	0	698	0	698	0.7372
IroqCharges	935.3	5.8	929.5	1477.2	547.6	83	640	0	723	0.7727
ENGPNGTS	330.0	3.3	326.7	365.0	38.3	1	312	0	312	0.9467
ENGLNG	332.3	0.0	332.3	8654.9	8322.6	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3341.2	7.0	3334.2	10950.0	7615.8	145	4388	0	4533	1.3568
UnionCharges	957.1	10.9	946.2	1477.2	530.9	0	140	0	140	0.1463
Dracut 20	491.5	1.0	490.5	7300.0	6809.5	21	1134	0	1155	2.3498

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2215.2	61.7	2153.5	9125.0	6971.5	659	0	0	659	0.2976
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	3343.4	7.0	3336.4	73000.0	69663.6	145		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	186.3	0.5	185.8	56666.3	56480.4	6	0	0	6	0.0324
LNGtoLNG	32.9	0.0	32.9	2920.0	2887.1	16	0	0	16	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTPCL	3257.4	51.8	3205.6	3326.9	121.3	0	3360	0	3360	1.0315
PNGTS2RT101	3205.6	48.1	3157.6	3277.0	119.5	0		0		
Total		285.4				2328				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	177	Transportation Cost	2317	JAN 19, 2023	
Penalty Cost	0	Withdrawal Cost	69	Other Variable Cost	0	System Served	179.38
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	179.38
Total Variable	████	Total Variable	247	Total Variable	2317		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	122733
						Total Revenue	0
						Net Cost	122733

Avg Cost of Served Demand 6.791 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 2.971 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0
Total	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2331.9	18250.0	15918.1			2.8819	6720	0	6720	2.8819
ENGNiagara	1146.6	1167.3	20.6			2.2569	2588	0	2588	2.2569
ENGPNGTS	331.0	365.0	34.0			3.1816	1053	0	1053	3.1816
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.1144	14146	0	14146	2.1144
Dracut 20	2406.3	7373.0	4966.7			4.6533	11197	0	11197	4.6533
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDAwn	1033.9	2190.0	1156.1			2.8428	2939	0	2939	2.8428
DAWN	3291.7	3380.7	89.0			2.7808	9153	0	9153	2.7808

Base Case Sensitivity
- Draw 0

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NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1724.6	10950.0	9225.4			4.9453	8529	0	8529	4.9453
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	18956.5									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	120.2	120.2	0	0.0	13	100	0.0	0	70	68	-2
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3118	3218	101
ENGDominion	103	100	109.1	107.0	0	2.1	103	100	0.0	0	219	226	7
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1418	1463	45
ENGHON	246	100	233.5	233.5	0	0.0	246	100	0.0	0	505	522	17
GranBrdgLNG	1550	75	2850.9	2319.5	0	259.2	1823	88	23.2	272	3711	4519	808
Total	4158	88	5810.0	5251.8	0	286.0	4430	93	28.8	272	10084	11059	976

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	2331.9	0.0	2331.9	7882.5	5550.6	0	5043	0	5043	2.1627
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6076.5	0.0	6076.5	8698.1	2621.6	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2806.5	23.9	2782.7	10262.0	7479.3	316	2688	0	3004	1.0703
TrCanCharges	1022.1	11.8	1010.4	1477.2	466.8	0	698	0	698	0.6825
IroqCharges	1010.4	6.3	1004.1	1477.2	473.1	90	640	0	729	0.7219
ENGPNCTS	331.0	3.3	327.7	365.0	37.3	1	312	0	312	0.9438
ENGLNG	120.2	0.0	120.2	8654.9	8534.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	3206.6	6.7	3199.8	10950.0	7750.2	139	4388	0	4528	1.4120
UnionCharges	1033.9	11.8	1022.1	1477.2	455.0	0	140	0	140	0.1354
Dracut 20	924.4	1.9	922.4	7300.0	6377.6	40	1134	0	1174	1.2698
ENGTGPZ4	2225.6	62.0	2163.5	9125.0	6961.5	662	0	0	662	0.2976

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3946.5	33.5	3913.0	7665.0	3752.0	445	0	0	445	0.1126
Z4toStg	2743.9	9.1	2734.8	7882.5	5147.7	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5360.8	11.3	5349.5	73000.0	67650.5	233		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2176.1	6.1	2170.0	56666.3	54496.2	70	0	0	70	0.0323
LNGtoLNG	120.2	0.0	120.2	2920.0	2799.8	60	0	0	60	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTPCL	3291.7	52.3	3239.3	3326.9	87.6	0	3360	0	3360	1.0208
PNGTS2RT101	3239.3	48.6	3190.8	3277.0	86.3	0		0		
Total		297.8				2317				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	177	Transportation Cost	2355	JAN 19, 2024	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	184.43
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	184.43
Total Variable	████	Total Variable	248	Total Variable	2355		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	124991
						Total Revenue	0
						Net Cost	124991

Avg Cost of Served Demand 6.706 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.036 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0	
Total	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2349.9	18300.0	15950.1			2.9323	6891	0	6891	2.9323
ENGNiagara	1149.8	1170.5	20.7			2.3421	2693	0	2693	2.3421
ENGPNGTS	333.0	366.0	33.0			3.2251	1074	0	1074	3.2251
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6698.7	6698.7	0.0			2.2058	14776	0	14776	2.2058
Dracut 20	2360.2	7393.2	5033.0			4.6358	10941	0	10941	4.6358
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1074.0	2196.0	1122.0			2.8915	3105	0	3105	2.8915
DAWN	3355.7	3390.0	34.3			2.8379	9523	0	9523	2.8379

Base Case Sensitivity
- Draw 0

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NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1959.5	10980.0	9020.5			4.8691	9541	0	9541	4.8691
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	19280.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	118.1	118.1	0	0.0	13	100	0.0	0	68	71	2
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3218	3362	144
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	226	235	10
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1463	1527	64
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	522	544	22
GranBrdgLNG	1823	88	2839.3	2558.4	0	258.1	1845	89	25.6	23	4519	4761	242
Total	4430	93	5798.1	5490.3	0	284.9	4452	94	31.2	23	11059	11543	484

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPProd	2349.9	0.0	2349.9	7904.1	5554.2	0	5043	0	5043	2.1461	
ENGTGP2Stg	106.4	2.2	104.2	7904.1	7800.0	27	0	0	27	0.2572	
ENGTGPLong	6100.6	0.0	6100.6	8719.7	2619.1	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2808.2	23.9	2784.3	10290.1	7505.8	316	2688	0	3004	1.0697	
TrCanCharges	1061.8	12.2	1049.6	1481.2	431.6	0	698	0	698	0.6570	
IroqCharges	1049.6	6.5	1043.1	1481.2	438.1	93	640	0	733	0.6983	
ENGPNCTS	333.0	3.3	329.7	366.0	36.3	1	312	0	312	0.9382	
ENGLNG	118.1	0.0	118.1	8678.6	8560.5	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	3283.8	6.9	3276.9	10980.0	7703.1	143	4388	0	4531	1.3798	
UnionCharges	1074.0	12.2	1061.8	1481.2	419.4	0	140	0	140	0.1304	
Dracut 20	1035.8	2.2	1033.6	7320.0	6286.4	45	1134	0	1179	1.1379	
ENGTGPZ4	2243.6	62.5	2181.0	9150.0	6969.0	668	0	0	668	0.2976	

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3953.2	33.6	3919.6	7686.0	3766.4	445	0	0	445	0.1126
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5660.7	11.9	5648.8	73200.0	67551.2	246		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2414.7	6.8	2407.9	56821.5	54413.6	78	0	0	78	0.0323
LNGtoLNG	118.1	0.0	118.1	2928.0	2809.9	59	0	0	59	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3355.7	53.4	3302.3	3336.1	33.8	0	3360	0	3360	1.0014
PNGTS2RT101	3302.3	49.5	3252.8	3286.0	33.2	0		0		
Total		303.3				2355				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	177	Transportation Cost	2374	JAN 19, 2025	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	188.86
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	188.86
Total Variable	████	Total Variable	249	Total Variable	2374		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	128437
						Total Revenue	0
						Net Cost	128437

Avg Cost of Served Demand 6.757 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.157 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0	
Total	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2340.6	18250.0	15909.4			3.0003	7022	0	7022	3.0003
ENGNiagara	1146.6	1167.3	20.6			2.4387	2796	0	2796	2.4387
ENGPNGTS	335.0	365.0	30.0			3.2764	1098	0	1098	3.2764
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.3072	15436	0	15436	2.3072
Dracut 20	2608.1	7373.0	4764.9			4.6799	12206	0	12206	4.6799
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1166.5	2190.0	1023.5			2.9447	3435	0	3435	2.9447
DAWN	3326.5	3380.7	54.2			2.9103	9681	0	9681	2.9103

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2017.9	10950.0	8932.1			5.1030	10297	0	10297	5.1030
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	19631.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	120.2	120.2	0	0.0	13	100	0.0	0	71	73	2
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3362	3518	156
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	235	246	11
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1527	1596	70
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	544	568	24
GranBrdgLNG	1845	89	2846.0	2587.3	0	258.7	1845	89	25.9	0	4761	4971	210
Total	4452	94	5802.0	5516.5	0	285.5	4452	94	31.5	0	11543	12015	472

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max	Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost
ENG TG PProd	2340.6	0.0	2340.6	7882.5		5542.0	0	5043	0	5043	2.1547
ENG TG P2Stg	103.2	2.1	101.1	7882.5		7781.4	27	0	0	27	0.2572
ENG TG PLong	6088.1	0.0	6088.1	8698.1		2610.0	0	0	0	0	0.0000
ENG TG PBN D	1146.6	7.1	1139.5	1139.5		0.0	98	267	0	365	0.3185
ENG TG PShort	2803.4	23.8	2779.5	10262.0		7482.5	316	2688	0	3003	1.0714
TrCanCharges	1153.2	13.3	1139.9	1477.2		337.2	0	698	0	698	0.6049
IroqCharges	1139.9	7.1	1132.9	1477.2		344.3	101	640	0	741	0.6500
ENG PNGTS	335.0	3.4	331.6	365.0		33.4	1	312	0	312	0.9326
ENGLNG	120.2	0.0	120.2	8654.9		8534.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0		6335.0	0	0	0	0	0.0000
ENG C3Truck	0.0	0.0	0.0	4380.0		4380.0	0	0	0	0	0.0000
Dracut 30	3459.4	7.3	3452.2	10950.0		7497.8	150	4388	0	4538	1.3119
UnionCharges	1166.5	13.3	1153.2	1477.2		324.0	0	140	0	140	0.1200
Dracut 20	1166.6	2.4	1164.1	7300.0		6135.9	51	1134	0	1184	1.0152
ENG TG PZ4	2237.4	62.4	2175.0	9125.0		6950.0	666	0	0	666	0.2976

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:10:57

NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5658.9	11.9	5647.0	73000.0	67353.0	246		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2441.2	6.8	2434.4	56666.3	54231.9	79	0	0	79	0.0323
LNGtoLNG	120.2	0.0	120.2	2920.0	2799.8	60	0	0	60	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3326.5	52.9	3273.6	3326.9	53.3	0	3360	0	3360	1.0101
PNGTS2RT101	3273.6	49.1	3224.5	3277.0	52.5	0		0		
Total		305.4				2374				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	177	Transportation Cost	2396	JAN 19, 2026	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	192.93
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	192.93
Total Variable	████	Total Variable	249	Total Variable	2396		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	132594
						Total Revenue	0
						Net Cost	132594

Avg Cost of Served Demand 6.829 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.298 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0	
Total	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2344.6	18250.0	15905.4			3.1012	7271	0	7271	3.1012
ENGNiagara	1146.6	1167.3	20.6			2.5483	2922	0	2922	2.5483
ENGPNGTS	337.0	365.0	28.0			3.3420	1126	0	1126	3.3420
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.4136	16148	0	16148	2.4136
Dracut 20	2699.0	7373.0	4674.0			4.8084	12978	0	12978	4.8084
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDawn	1228.1	2190.0	961.9			3.0248	3715	0	3715	3.0248
DAWN	3336.2	3380.7	44.5			2.9964	9996	0	9996	2.9964

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2260.0	10950.0	8690.0			5.2871	11949	0	11949	5.2871
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	20041.9									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	123.3	123.3	0	0.0	13	100	0.0	0	73	75	3
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3518	3674	156
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	246	257	11
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1596	1664	68
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	568	592	24
GranBrdgLNG	1845	89	2847.3	2588.5	0	258.8	1845	89	25.9	0	4971	5181	211
Total	4452	94	5806.4	5520.7	0	285.6	4452	94	31.5	0	12015	12487	472

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2344.6	0.0	2344.6	7882.5	5538.0	0	5043	0	5043	2.1511	
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572	
ENGTGPLong	6092.0	0.0	6092.0	8698.1	2606.1	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2803.4	23.8	2779.5	10262.0	7482.5	316	2688	0	3003	1.0714	
TrCanCharges	1214.2	14.0	1200.2	1477.2	277.0	0	698	0	698	0.5745	
IroqCharges	1200.2	7.4	1192.8	1477.2	284.4	107	640	0	746	0.6218	
ENGPNCTS	337.0	3.4	333.6	365.0	31.4	1	312	0	312	0.9270	
ENGLNG	123.3	0.0	123.3	8654.9	8531.6	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3573.7	7.5	3566.2	10950.0	7383.8	155	4388	0	4543	1.2714	
UnionCharges	1228.1	14.0	1214.2	1477.2	263.0	0	140	0	140	0.1140	
Dracut 20	1385.3	2.9	1382.4	7300.0	5917.6	60	1134	0	1194	0.8618	
ENGTGPZ4	2241.3	62.5	2178.9	9125.0	6946.1	667	0	0	667	0.2976	

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5666.4	11.9	5654.5	73000.0	67345.5	246		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2439.3	6.8	2432.5	56666.3	54233.7	79	0	0	79	0.0323
LNGtoLNG	123.3	0.0	123.3	2920.0	2796.7	62	0	0	62	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3336.2	53.0	3283.1	3326.9	43.8	0	3360	0	3360	1.0072
PNGTS2RT101	3283.1	49.2	3233.9	3277.0	43.1	0		0		
Total		308.3				2396				

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	178	Transportation Cost	2416	JAN 19, 2027	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	196.78
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	196.78
Total Variable	████	Total Variable	250	Total Variable	2416		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	136072
						Total Revenue	0
						Net Cost	136072

Avg Cost of Served Demand 6.876 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.407 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0
Total	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2346.8	18250.0	15903.2			3.1937	7495	0	7495		3.1937
ENGNiagara	1146.6	1167.3	20.6			2.6165	3000	0	3000		2.6165
ENGPNGTS	344.0	365.0	21.0			3.4152	1175	0	1175		3.4152
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6690.4	6690.4	0.0			2.4647	16490	0	16490		2.4647
Dracut 20	2780.5	7373.0	4592.5			4.9315	13712	0	13712		4.9315
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENG Dawn	1263.0	2190.0	927.0			3.0848	3896	0	3896		3.0848
DAWN	3360.7	3380.7	20.0			3.0550	10267	0	10267		3.0550

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2486.4	10950.0	8463.6			5.4408	13528	0	13528	5.4408
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	20418.4									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	124.3	124.3	0	0.0	13	100	0.0	0	75	77	2
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3674	3712	37
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	257	260	3
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1664	1688	23
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	592	605	13
GranBrdgLNG	1845	89	2863.7	2603.4	0	260.3	1845	89	26.0	0	5181	5270	89
Total	4452	94	5825.9	5538.8	0	287.1	4452	94	31.7	0	12487	12654	167

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPProd	2346.8	0.0	2346.8	7882.5	5535.7	0	5043	0	5043	2.1490	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6092.0	0.0	6092.0	8698.1	2606.0	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2805.5	23.8	2781.6	10262.0	7480.3	316	2688	0	3004	1.0706	
TrCanCharges	1248.6	14.4	1234.3	1477.2	242.9	0	698	0	698	0.5587	
IroqCharges	1234.3	7.7	1226.6	1477.2	250.5	110	640	0	749	0.6071	
ENGPNCTS	344.0	3.4	340.6	365.0	24.4	1	312	0	312	0.9082	
ENGLNG	124.3	0.0	124.3	8654.9	8530.6	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3716.8	7.8	3709.0	10950.0	7241.0	161	4388	0	4550	1.2241	
UnionCharges	1263.0	14.4	1248.6	1477.2	228.5	0	140	0	140	0.1109	
Dracut 20	1550.0	3.3	1546.8	7300.0	5753.2	67	1134	0	1201	0.7748	
ENGTGPZ4	2241.4	62.5	2178.9	9125.0	6946.1	667	0	0	667	0.2976	

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5703.8	12.0	5691.8	73000.0	67308.2	248		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2453.1	6.9	2446.2	56666.3	54220.1	79	0	0	79	0.0323
LNGtoLNG	124.3	0.0	124.3	2920.0	2795.7	62	0	0	62	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTPCL	3360.7	53.4	3307.2	3326.9	19.7	0	3360	0	3360	0.9999
PNGTS2RT101	3307.2	49.6	3257.6	3277.0	19.4	0		0		
Total		311.0				2416				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	178	Transportation Cost	2441	JAN 19, 2028	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	199.95
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	199.95
Total Variable	████	Total Variable	250	Total Variable	2441		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	139029
						Total Revenue	0
						Net Cost	139029

Avg Cost of Served Demand 6.883 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.480 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0
Total	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2365.4	18300.0	15934.6			3.2258	7630	0	7630	3.2258
ENGNiagara	1149.8	1170.5	20.7			2.6436	3040	0	3040	2.6436
ENGPNGTS	345.0	366.0	21.0			3.4574	1193	0	1193	3.4574
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6698.7	6698.7	0.0			2.4899	16679	0	16679	2.4899
Dracut 20	2885.0	7393.2	4508.2			5.0132	14463	0	14463	5.0132
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1319.1	2196.0	876.9			3.1101	4103	0	4103	3.1101
DAWN	3374.8	3390.0	15.2			3.0863	10415	0	10415	3.0863

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2692.6	10980.0	8287.4			5.5608	14973	0	14973	5.5608
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	20830.4									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	122.2	122.2	0	0.0	13	100	0.0	0	77	78	1
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3712	3747	35
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	260	263	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1688	1706	19
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	605	612	7
GranBrdgLNG	1845	89	2856.2	2596.6	0	259.7	1845	89	26.0	0	5270	5322	52
Total	4452	94	5817.0	5530.5	0	286.5	4452	94	31.6	0	12654	12771	117

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPProd	2365.4	0.0	2365.4	7904.1	5538.7	0	5043	0	5043	2.1321
ENG TGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572
ENG TGPLong	6117.8	0.0	6117.8	8719.7	2601.9	0	0	0	0	0.0000
ENG TGPNBD	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179
ENG TGPSHORT	2806.1	23.9	2782.2	10290.1	7507.9	316	2688	0	3004	1.0704
TrCanCharges	1304.1	15.0	1289.1	1481.2	192.1	0	698	0	698	0.5349
IroqCharges	1289.1	8.0	1281.1	1481.2	200.1	114	640	0	754	0.5850
ENG PNGTS	345.0	3.5	341.5	366.0	24.5	1	312	0	312	0.9056
ENGLNG	122.2	0.0	122.2	8678.6	8556.4	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000
ENG C3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000
Dracut 30	3860.2	8.1	3852.1	10980.0	7127.9	168	4388	0	4556	1.1802
UnionCharges	1319.1	15.0	1304.1	1481.2	177.1	0	140	0	140	0.1061
Dracut 20	1717.4	3.6	1713.8	7320.0	5606.2	75	1134	0	1208	0.7035
ENG TGPNZ4	2260.0	63.0	2197.0	9150.0	6953.0	673	0	0	673	0.2976

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3954.4	33.6	3920.7	7686.0	3765.3	445	0	0	445	0.1126
Z4toStg	2744.3	9.1	2735.3	7904.1	5168.8	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5712.8	12.0	5700.8	73200.0	67499.2	248		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2448.4	6.9	2441.5	56821.5	54380.0	79	0	0	79	0.0323
LNGtoLNG	122.2	0.0	122.2	2928.0	2805.8	61	0	0	61	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTPCL	3374.8	53.7	3321.1	3336.1	14.9	0	3360	0	3360	0.9957
PNGTS2RT101	3321.1	49.8	3271.3	3286.0	14.7	0		0		
Total		314.3				2441				

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	177	Transportation Cost	2447	JAN 19, 2029	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	203.49
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	203.49
Total Variable	████	Total Variable	249	Total Variable	2447		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	141436
						Total Revenue	0
						Net Cost	141436

Avg Cost of Served Demand 6.909 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.549 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0	
Total	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2356.5	18250.0	15893.5			3.2572	7675	0	7675	3.2572
ENGNiagara	1146.6	1167.3	20.6			2.6691	3061	0	3061	2.6691
ENGPNGTS	344.0	365.0	21.0			3.4838	1198	0	1198	3.4838
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5143	16821	0	16821	2.5143
Dracut 20	2979.7	7373.0	4393.3			5.0947	15181	0	15181	5.0947
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1333.2	2190.0	856.8			3.1375	4183	0	4183	3.1375
DAWN	3368.9	3380.7	11.8			3.1161	10498	0	10498	3.1161

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2883.8	10950.0	8066.2			5.6453	16280	0	16280	5.6453
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21103.1									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	117.8	117.8	0	0.0	13	100	0.0	0	78	78	1
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3747	3782	35
ENGDominion	103	100	107.6	105.5	0	2.1	103	100	0.0	0	263	265	2
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1706	1724	18
ENGHON	246	100	231.0	231.0	0	0.0	246	100	0.0	0	612	618	6
GranBrdgLNG	1845	89	2840.0	2581.8	0	258.2	1845	89	25.8	0	5322	5372	50
Total	4452	94	5792.8	5507.8	0	285.0	4452	94	31.5	0	12771	12882	111

Transportation Summary												
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost		
ENGTGPProd	2356.5	0.0	2356.5	7882.5	5526.1	0	5043	0	5043	2.1402		
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572		
ENGTGPLong	6104.4	0.0	6104.4	8698.1	2593.7	0	0	0	0	0.0000		
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185		
ENGTGPShort	2802.5	23.8	2778.7	10262.0	7483.3	316	2688	0	3003	1.0716		
TrCanCharges	1318.0	15.2	1302.8	1477.2	174.3	0	698	0	698	0.5293		
IroqCharges	1302.8	8.1	1294.8	1477.2	182.4	116	640	0	755	0.5798		
ENGPNCTS	344.0	3.4	340.6	365.0	24.4	1	312	0	312	0.9082		
ENGLNG	117.8	0.0	117.8	8654.9	8537.1	0	0	0	0	0.0000		
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000		
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000		
Dracut 30	4079.9	8.6	4071.4	10950.0	6878.6	177	4388	0	4565	1.1190		
UnionCharges	1333.2	15.2	1318.0	1477.2	159.2	0	140	0	140	0.1050		
Dracut 20	1783.6	3.7	1779.9	7300.0	5520.1	77	1134	0	1211	0.6790		
ENGTGPZ4	2251.0	62.7	2188.3	9125.0	6936.7	670	0	0	670	0.2976		

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3949.6	33.6	3916.0	7665.0	3749.0	445	0	0	445	0.1126
Z4toStg	2740.8	9.0	2731.7	7882.5	5150.8	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5696.9	12.0	5685.0	73000.0	67315.0	247		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2438.2	6.8	2431.4	56666.3	54234.9	79	0	0	79	0.0323
LNGtoLNG	117.8	0.0	117.8	2920.0	2802.2	59	0	0	59	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3368.9	53.6	3315.3	3326.9	11.6	0	3360	0	3360	0.9974
PNGTS2RT101	3315.3	49.7	3265.6	3277.0	11.5	0		0		
Total		314.7				2447				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	176	Transportation Cost	2461	JAN 19, 2030	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	206.79
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	206.79
Total Variable	████	Total Variable	247	Total Variable	2461		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	144194
						Total Revenue	0
						Net Cost	144194

Avg Cost of Served Demand 6.933 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.623 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0
Total	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2360.9	18250.0	15889.1			3.2894	7766	0	7766		3.2894
ENGNiagara	1146.6	1167.3	20.6			2.6958	3091	0	3091		2.6958
ENGPNGTS	345.8	365.0	19.2			3.5337	1222	0	1222		3.5337
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5394	16990	0	16990		2.5394
Dracut 20	3085.5	7373.0	4287.5			5.1878	16007	0	16007		5.1878
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENG3Dawn	1349.6	2190.0	840.4			3.1665	4273	0	4273		3.1665
DAWN	3370.2	3380.7	10.5			3.1472	10607	0	10607		3.1472

Base Case Sensitivity
- Draw 0

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NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3079.5	10950.0	7870.5			5.7436	17687	0	17687	5.7436
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21428.5									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	116.1	116.1	0	0.0	13	100	0.0	0	78	79	1
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3782	3821	39
ENGDominion	103	100	107.0	104.9	0	2.1	103	100	0.0	0	265	268	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1724	1738	14
ENGHON	246	100	231.0	231.0	0	0.0	246	100	0.0	0	618	624	6
GranBrdgLNG	1845	89	2819.0	2562.7	0	256.3	1845	89	25.6	0	5372	5422	50
Total	4452	94	5769.5	5486.4	0	283.1	4452	94	31.3	0	12882	12994	112

Transportation Summary												
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost		
ENGTGPProd	2360.9	0.0	2360.9	7882.5	5521.6	0	5043	0	5043	2.1361		
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572		
ENG TGPLong	6109.3	0.0	6109.3	8698.1	2588.8	0	0	0	0	0.0000		
ENG TGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185		
ENG TGPShort	2802.0	23.8	2778.1	10262.0	7483.8	316	2688	0	3003	1.0718		
TrCanCharges	1334.2	15.3	1318.9	1477.2	158.3	0	698	0	698	0.5228		
IroqCharges	1318.9	8.2	1310.7	1477.2	166.5	117	640	0	757	0.5738		
ENG PNGTS	345.8	3.5	342.4	365.0	22.6	1	312	0	312	0.9035		
ENGLNG	116.1	0.0	116.1	8654.9	8538.8	0	0	0	0	0.0000		
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000		
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000		
Dracut 30	4176.3	8.8	4167.6	10950.0	6782.4	181	4388	0	4570	1.0942		
UnionCharges	1349.6	15.4	1334.2	1477.2	142.9	0	140	0	140	0.1037		
Dracut 20	1988.7	4.2	1984.5	7300.0	5315.5	86	1134	0	1220	0.6135		
ENG TG PZ4	2255.5	62.9	2192.6	9125.0	6932.4	671	0	0	671	0.2976		

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3950.2	33.6	3916.6	7665.0	3748.4	445	0	0	445	0.1126
Z4toStg	2740.2	9.0	2731.1	7882.5	5151.4	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5681.1	11.9	5669.1	73000.0	67330.9	247		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2421.0	6.8	2414.2	56666.3	54252.0	78	0	0	78	0.0323
LNGtoLNG	116.1	0.0	116.1	2920.0	2803.9	58	0	0	58	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3370.2	53.6	3316.6	3326.9	10.4	0	3360	0	3360	0.9970
PNGTS2RT101	3316.6	49.7	3266.8	3277.0	10.2	0		0		
Total		315.9				2461				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:10:57

NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
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Commodity Cost	████	Injection Cost	175	Transportation Cost	2473	JAN 19, 2031	
Penalty Cost	0	Withdrawal Cost	71	Other Variable Cost	0	System Served	210.02
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	210.02
Total Variable	████	Total Variable	246	Total Variable	2473		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	146972
						Total Revenue	0
						Net Cost	146972

Avg Cost of Served Demand 6.963 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.699 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0
Total	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2364.3	18250.0	15885.7			3.3220	7854	0	7854	3.3220
ENGNiagara	1146.6	1167.3	20.6			2.7228	3122	0	3122	2.7228
ENGPNGTS	352.1	365.0	12.9			3.6201	1275	0	1275	3.6201
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5648	17159	0	17159	2.5648
Dracut 20	3101.6	7373.0	4271.4			5.3028	16447	0	16447	5.3028
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1363.2	2190.0	826.8			3.1961	4357	0	4357	3.1961
DAWN	3371.2	3380.7	9.5			3.1786	10716	0	10716	3.1786

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3349.0	10950.0	7601.0			5.8165	19480	0	19480	5.8165
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21738.4									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	116.1	116.1	0	0.0	13	100	0.0	0	79	80	1
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3821	3857	36
ENGDominion	103	100	107.0	104.9	0	2.1	103	100	0.0	0	268	270	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1738	1754	17
ENGHON	246	100	231.0	231.0	0	0.0	246	100	0.0	0	624	630	6
GranBrdgLNG	1845	89	2791.2	2535.7	0	253.7	1847	89	25.4	2	5422	5478	55
Total	4452	94	5741.6	5459.4	0	280.5	4454	94	31.0	2	12994	13112	118

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPProd	2364.3	0.0	2364.3	7882.5	5518.2	0	5043	0	5043	2.1330
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENG TGPLong	6112.6	0.0	6112.6	8698.1	2585.5	0	0	0	0	0.0000
ENG TGPNBD	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENG TGPShort	2802.0	23.8	2778.1	10262.0	7483.8	316	2688	0	3003	1.0718
TrCanCharges	1347.7	15.5	1332.2	1477.2	145.0	0	698	0	698	0.5176
IroqCharges	1332.2	8.3	1323.9	1477.2	153.2	118	640	0	758	0.5690
ENG PNGTS	352.1	3.5	348.6	365.0	16.4	1	312	0	312	0.8874
ENGLNG	116.1	0.0	116.1	8654.9	8538.8	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	4358.3	9.2	4349.2	10950.0	6600.8	189	4388	0	4578	1.0503
UnionCharges	1363.2	15.5	1347.7	1477.2	129.5	0	140	0	140	0.1027
Dracut 20	2092.3	4.4	2087.9	7300.0	5212.1	91	1134	0	1225	0.5853
ENG TG PZ4	2258.9	63.0	2196.0	9125.0	6929.0	672	0	0	672	0.2976

Base Case Sensitivity
- Draw 0

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NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3950.2	33.6	3916.6	7665.0	3748.4	445	0	0	445	0.1126
Z4toStg	2740.2	9.0	2731.1	7882.5	5151.4	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5655.4	11.9	5643.5	73000.0	67356.5	245		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2394.3	6.7	2387.6	56666.3	54278.7	77	0	0	77	0.0323
LNGtoLNG	116.1	0.0	116.1	2920.0	2803.9	58	0	0	58	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3371.2	53.6	3317.6	3326.9	9.4	0	3360	0	3360	0.9967
PNGTS2RT101	3317.6	49.8	3267.8	3277.0	9.2	0		0		
Total		317.0				2473				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
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Commodity Cost	████	Injection Cost	173	Transportation Cost	2491	JAN 19, 2032	
Penalty Cost	0	Withdrawal Cost	71	Other Variable Cost	0	System Served	212.97
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	212.97
Total Variable	████	Total Variable	244	Total Variable	2491		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	150205
						Total Revenue	0
						Net Cost	150205

Avg Cost of Served Demand 6.994 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.783 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0
Total	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2381.6	18300.0	15918.4			3.3554	7991	0	7991		3.3554
ENGNiagara	1149.8	1170.5	20.7			2.7509	3163	0	3163		2.7509
ENGPNGTS	359.1	366.0	6.9			3.7124	1333	0	1333		3.7124
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6698.7	6698.7	0.0			2.5910	17356	0	17356		2.5910
Dracut 20	3262.0	7393.2	4131.2			5.3772	17540	0	17540		5.3772
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENG3Dawn	1379.4	2196.0	816.6			3.2271	4452	0	4452		3.2271
DAWN	3381.4	3390.0	8.6			3.2112	10858	0	10858		3.2112

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3494.5	10980.0	7485.5			5.9899	20932	0	20932	5.9899
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22106.5									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	113.9	113.9	0	0.0	13	100	0.0	0	80	80	1
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.8	1756.8	0	19.0	1498	96	0.0	0	3857	3894	37
ENGDominion	103	100	107.6	105.5	0	2.1	103	100	0.0	0	270	273	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1754	1772	17
ENGHON	246	100	228.4	228.4	0	0.0	246	100	0.0	0	630	636	6
GranBrdgLNG	1847	89	2760.1	2506.7	0	250.9	1850	89	25.1	2	5478	5538	61
Total	4454	94	5706.6	5426.4	0	277.7	4457	94	30.7	2	13112	13236	124

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPProd	2381.6	0.0	2381.6	7904.1	5522.5	0	5043	0	5043	2.1176
ENG TGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572
ENG TGPLong	6139.4	0.0	6139.4	8719.7	2580.3	0	0	0	0	0.0000
ENG TGPNBD	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179
ENG TGPShort	2800.2	23.8	2776.4	10290.1	7513.7	315	2688	0	3003	1.0724
TrCanCharges	1363.7	15.7	1348.0	1481.2	133.2	0	698	0	698	0.5115
IroqCharges	1348.0	8.4	1339.7	1481.2	141.5	120	640	0	759	0.5633
ENG PNGTS	359.1	3.6	355.5	366.0	10.5	1	312	0	312	0.8700
ENGLNG	113.9	0.0	113.9	8678.6	8564.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000
ENG C3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000
Dracut 30	4527.3	9.5	4517.8	10980.0	6462.2	197	4388	0	4585	1.0127
UnionCharges	1379.4	15.7	1363.7	1481.2	117.5	0	140	0	140	0.1015
Dracut 20	2229.1	4.7	2224.5	7320.0	5095.5	97	1134	0	1230	0.5520
ENG TGPNZ4	2276.2	63.4	2212.8	9150.0	6937.2	677	0	0	677	0.2976

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3960.3	33.7	3926.6	7686.0	3759.4	446	0	0	446	0.1126
Z4toStg	2738.4	9.0	2729.4	7904.1	5174.7	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5638.8	11.8	5627.0	73200.0	67573.0	245		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2367.8	6.6	2361.1	56821.5	54460.4	77	0	0	77	0.0323
LNGtoLNG	113.9	0.0	113.9	2928.0	2814.1	57	0	0	57	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3381.4	53.8	3327.6	3336.1	8.5	0	3360	0	3360	0.9937
PNGTS2RT101	3327.6	49.9	3277.7	3286.0	8.3	0		0		
Total		318.9				2491				

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	172	Transportation Cost	2495	JAN 19, 2033	
Penalty Cost	0	Withdrawal Cost	71	Other Variable Cost	0	System Served	215.84
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	215.84
Total Variable	████	Total Variable	243	Total Variable	2495		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	152557
						Total Revenue	0
						Net Cost	152557

Avg Cost of Served Demand 7.037 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.855 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0
Total	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2371.2	18250.0	15878.8			3.3880	8034	0	8034	3.3880
ENGNiagara	1146.6	1167.3	20.6			2.7775	3185	0	3185	2.7775
ENGPNGTS	359.0	365.0	6.0			3.7485	1346	0	1346	3.7485
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6163	17504	0	17504	2.6163
Dracut 20	3397.7	7373.0	3975.3			5.4478	18510	0	18510	5.4478
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDawn	1387.0	2190.0	803.0			3.2567	4517	0	4517	3.2567
DAWN	3373.0	3380.7	7.7			3.2424	10937	0	10937	3.2424

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3579.3	10950.0	7370.7			6.1310	21945	0	21945	6.1310
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22304.1									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	112.4	112.4	0	0.0	13	100	0.0	0	80	81	1
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3894	3927	33
ENGDominion	103	100	106.4	104.3	0	2.1	103	100	0.0	0	273	276	3
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1772	1792	21
ENGHON	246	100	227.5	227.5	0	0.0	246	100	0.0	0	636	642	6
GranBrdgLNG	1850	89	2736.9	2487.0	0	248.8	1851	89	24.9	1	5538	5592	54
Total	4457	94	5679.6	5402.9	0	275.6	4458	94	30.5	1	13236	13354	118

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPProd	2371.2	0.0	2371.2	7882.5	5511.3	0	5043	0	5043	2.1269
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENG TGPLong	6123.4	0.0	6123.4	8698.1	2574.7	0	0	0	0	0.0000
ENG TGPNBD	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENG TGPSHORT	2797.8	23.8	2774.1	10262.0	7487.9	315	2688	0	3003	1.0733
TrCanCharges	1371.2	15.8	1355.4	1477.2	121.8	0	698	0	698	0.5088
IroqCharges	1355.4	8.4	1347.0	1477.2	130.2	120	640	0	760	0.5607
ENG PNGTS	359.0	3.6	355.4	365.0	9.6	1	312	0	312	0.8703
ENGLNG	112.4	0.0	112.4	8654.9	8542.5	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	4691.6	9.9	4681.8	10950.0	6268.2	204	4388	0	4592	0.9788
UnionCharges	1387.0	15.8	1371.2	1477.2	106.0	0	140	0	140	0.1009
Dracut 20	2285.3	4.8	2280.5	7300.0	5019.5	99	1134	0	1233	0.5395
ENG TG PZ4	2265.8	63.1	2202.6	9125.0	6922.4	674	0	0	674	0.2976

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3954.4	33.6	3920.7	7665.0	3744.3	445	0	0	445	0.1126
Z4toStg	2736.0	9.0	2727.0	7882.5	5155.5	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5612.8	11.8	5601.0	73000.0	67399.0	244		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2349.8	6.6	2343.2	56666.3	54323.1	76	0	0	76	0.0323
LNGtoLNG	112.4	0.0	112.4	2920.0	2807.6	56	0	0	56	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3373.0	53.6	3319.4	3326.9	7.6	0	3360	0	3360	0.9962
PNGTS2RT101	3319.4	49.8	3269.6	3277.0	7.4	0		0		
Total		318.8				2495				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:10:57

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	169	Transportation Cost	2503	JAN 19, 2034	
Penalty Cost	0	Withdrawal Cost	70	Other Variable Cost	0	System Served	218.83
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	218.83
Total Variable	████	Total Variable	239	Total Variable	2503		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	155605
						Total Revenue	0
						Net Cost	155605

Avg Cost of Served Demand 7.086 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.942 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0	
Total	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2374.2	18250.0	15875.8			3.4216	8124	0	8124	3.4216
ENGNiagara	1146.6	1167.3	20.6			2.8053	3217	0	3217	2.8053
ENGPNGTS	359.5	365.0	5.5			3.7868	1361	0	1361	3.7868
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6425	17679	0	17679	2.6425
Dracut 20	3512.8	7373.0	3860.2			5.5620	19538	0	19538	5.5620
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1397.3	2190.0	792.7			3.2878	4594	0	4594	3.2878
DAWN	3373.7	3380.7	7.0			3.2748	11048	0	11048	3.2748

Base Case Sensitivity
- Draw 0

Ventyx
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Report 1 (Continued) 10:10:57

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3726.5	10950.0	7223.5			6.2951	23459	0	23459	6.2951
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22581.1									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	112.2	112.2	0	0.0	13	100	0.0	0	81	82	1
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3927	3970	43
ENGDominion	103	100	107.6	105.5	0	2.1	103	100	0.0	0	276	279	2
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1792	1805	12
ENGHON	246	100	226.3	226.3	0	0.0	246	100	0.0	0	642	648	6
GranBrdgLNG	1851	89	2664.9	2420.5	0	242.3	1853	90	24.2	2	5592	5652	59
Total	4458	94	5607.4	5336.1	0	269.1	4460	94	29.9	2	13354	13478	124

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPProd	2374.2	0.0	2374.2	7882.5	5508.3	0	5043	0	5043	2.1242
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENG TGPLong	6126.3	0.0	6126.3	8698.1	2571.8	0	0	0	0	0.0000
ENG TGPNBD	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENG TGPShort	2797.8	23.8	2774.1	10262.0	7487.9	315	2688	0	3003	1.0733
TrCanCharges	1381.4	15.9	1365.5	1477.2	111.6	0	698	0	698	0.5050
IroqCharges	1365.5	8.5	1357.1	1477.2	120.1	121	640	0	761	0.5572
ENG PNGTS	359.5	3.6	355.9	365.0	9.1	1	312	0	312	0.8692
ENGLNG	112.2	0.0	112.2	8654.9	8542.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	4808.6	10.1	4798.5	10950.0	6151.5	209	4388	0	4597	0.9560
UnionCharges	1397.3	15.9	1381.4	1477.2	95.7	0	140	0	140	0.1002
Dracut 20	2430.7	5.1	2425.5	7300.0	4874.5	106	1134	0	1239	0.5098
ENG TGPNZ4	2268.8	63.2	2205.6	9125.0	6919.4	675	0	0	675	0.2976

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3954.3	33.6	3920.7	7665.0	3744.3	445	0	0	445	0.1126
Z4toStg	2736.1	9.0	2727.0	7882.5	5155.5	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5548.0	11.7	5536.3	73000.0	67463.7	241		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2284.1	6.4	2277.7	56666.3	54388.6	74	0	0	74	0.0323
LNGtoLNG	112.2	0.0	112.2	2920.0	2807.8	56	0	0	56	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3373.7	53.6	3320.1	3326.9	6.8	0	3360	0	3360	0.9960
PNGTS2RT101	3320.1	49.8	3270.3	3277.0	6.7	0		0		
Total		319.5				2503				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	166	Transportation Cost	2510	JAN 19, 2035	
Penalty Cost	0	Withdrawal Cost	70	Other Variable Cost	0	System Served	221.63
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	221.63
Total Variable	████	Total Variable	236	Total Variable	2510		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	158664
						Total Revenue	0
						Net Cost	158664

Avg Cost of Served Demand 7.138 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.031 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0
Total	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2377.3	18250.0	15872.7			3.4555	8215	0	8215		3.4555
ENGNiagara	1146.6	1167.3	20.6			2.8333	3249	0	3249		2.8333
ENGPNGTS	360.0	365.0	5.0			3.8256	1377	0	1377		3.8256
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6689	17856	0	17856		2.6689
Dracut 20	3616.8	7373.0	3756.2			5.6973	20606	0	20606		5.6973
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENG Dawn	1406.9	2190.0	783.1			3.3192	4670	0	4670		3.3192
DAWN	3374.3	3380.7	6.4			3.3075	11160	0	11160		3.3075

Base Case Sensitivity
- Draw 0

Ventyx
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NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3869.3	10950.0	7080.7			6.4461	24942	0	24942	6.4461
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22841.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	108.5	108.5	0	0.0	13	100	0.0	0	82	82	1
ENGPropane	77	100	0.0	0.0	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.2	1756.2	0	19.0	1498	96	0.0	0	3970	4012	43
ENGDominion	103	100	105.2	103.1	0	2.1	103	100	0.0	0	279	281	2
ENGNGF	671	100	721.0	715.3	0	5.7	671	100	5.7	0	1805	1819	14
ENGHON	246	100	226.3	226.3	0	0.0	246	100	0.0	0	648	654	6
GranBrdgLNG	1853	90	2603.8	2365.5	0	236.7	1854	90	23.7	2	5652	5708	57
Total	4460	94	5540.0	5275.0	0	263.4	4462	94	29.3	2	13478	13600	122

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENG TG PProd	2377.3	0.0	2377.3	7882.5	5505.2	0	5043	0	5043	2.1214	
ENG TG P2Stg	105.2	2.1	103.0	7882.5	7779.5	27	0	0	27	0.2572	
ENG TG PLong	6131.9	0.0	6131.9	8698.1	2566.2	0	0	0	0	0.0000	
ENG TG PBNd	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENG TG PShort	2795.3	23.8	2771.5	10262.0	7490.5	315	2688	0	3003	1.0741	
TrCanCharges	1390.9	16.0	1374.9	1477.2	102.3	0	698	0	698	0.5015	
IroqCharges	1374.9	8.5	1366.4	1477.2	110.8	122	640	0	762	0.5541	
ENG PNGTS	360.0	3.6	356.4	365.0	8.6	1	312	0	312	0.8679	
ENGLNG	108.5	0.0	108.5	8654.9	8546.4	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4995.8	10.5	4985.3	10950.0	5964.7	217	4388	0	4605	0.9218	
UnionCharges	1406.9	16.0	1390.9	1477.2	86.3	0	140	0	140	0.0995	
Dracut 20	2490.4	5.2	2485.1	7300.0	4814.9	108	1134	0	1242	0.4986	
ENG TG PZ4	2272.1	63.3	2208.8	9125.0	6916.2	676	0	0	676	0.2976	

Base Case Sensitivity
- Draw 0

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NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3956.7	33.6	3923.1	7665.0	3741.9	446	0	0	446	0.1126
Z4toStg	2733.7	9.0	2724.6	7882.5	5157.9	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5497.9	11.5	5486.4	73000.0	67513.6	239		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2233.4	6.3	2227.1	56666.3	54439.1	72	0	0	72	0.0323
LNGtoLNG	108.5	0.0	108.5	2920.0	2811.5	54	0	0	54	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3374.3	53.7	3320.6	3326.9	6.3	0	3360	0	3360	0.9958
PNGTS2RT101	3320.6	49.8	3270.8	3277.0	6.2	0		0		
Total		320.1				2510				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:10:57

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	163	Transportation Cost	2590	JAN 19, 2036	
Penalty Cost	0	Withdrawal Cost	69	Other Variable Cost	0	System Served	224.15
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	224.15
Total Variable	████	Total Variable	232	Total Variable	2590		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	162306
						Total Revenue	0
						Net Cost	162306

Avg Cost of Served Demand 7.193 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.127 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0
Total	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0

Supply Summary											
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost	
ENGUSGC	2393.6	18300.0	15906.4			3.4904	8355	0	8355	3.4904	
ENGNiagara	1149.8	1170.5	20.7			2.8626	3291	0	3291	2.8626	
ENGPNGTS	361.0	366.0	5.0			3.8719	1398	0	1398	3.8719	
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000	
ENG-Z4	6698.7	6698.7	0.0			2.6962	18061	0	18061	2.6962	
Dracut 20	3691.9	7393.2	3701.3			5.8136	21463	0	21463	5.8136	
ENG3Summer	69.1	93.5	24.4			11.0462	763	0	763	11.0462	
ENG3Dawn	1420.5	2196.0	775.5			3.3519	4761	0	4761	3.3519	
DAWN	3384.1	3390.0	5.9			3.3414	11308	0	11308	3.3414	

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:10:57

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	4003.7	10980.0	6976.3			6.5543	26241	0	26241	6.5543
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	23172.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	106.7	106.7	0	0.0	13	100	0.0	0	82	83	1
ENGPropane	77	100	69.1	69.1	0	0.0	77	100	0.0	0	1043	1045	2
ENGFSMA	1498	96	1774.0	1755.0	0	19.0	1498	96	0.0	0	4012	4045	33
ENGDominion	103	100	105.5	103.4	0	2.1	103	100	0.0	0	281	284	3
ENGNGF	671	100	721.9	716.2	0	5.7	671	100	5.7	0	1819	1841	22
ENGHON	246	100	227.6	227.6	0	0.0	246	100	0.0	0	654	661	7
GranBrdgLNG	1854	90	2531.3	2299.9	0	230.1	1856	90	23.0	1	5708	5766	58
Total	4462	94	5536.0	5277.9	0	256.9	4463	94	28.7	1	13600	13724	125

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2393.6	0.0	2393.6	7904.1	5510.5	0	5043	0	5043	2.1070	
ENGTGP2Stg	104.9	2.1	102.8	7904.1	7801.4	27	0	0	27	0.2572	
ENGTGPLong	6154.7	0.0	6154.7	8719.7	2565.0	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2796.6	23.8	2772.8	10290.1	7517.3	315	2688	0	3003	1.0737	
TrCanCharges	1404.3	16.1	1388.2	1481.2	93.0	0	698	0	698	0.4967	
IroqCharges	1388.2	8.6	1379.6	1481.2	101.6	123	640	0	763	0.5496	
ENGPNCTS	361.0	3.6	357.4	366.0	8.6	1	312	0	312	0.8655	
ENGLNG	106.7	0.0	106.7	8678.6	8571.9	0	0	0	0	0.0000	
ENGPropane	69.1	0.0	69.1	6370.0	6300.9	0	0	0	0	0.0000	
ENG3Truck	69.1	0.0	69.1	4392.0	4322.9	69	0	0	69	1.0000	
Dracut 30	5089.4	10.7	5078.7	10980.0	5901.3	221	4388	0	4609	0.9057	
UnionCharges	1420.5	16.2	1404.3	1481.2	76.9	0	140	0	140	0.0986	
Dracut 20	2606.2	5.5	2600.7	7320.0	4719.3	113	1134	0	1247	0.4784	
ENGTGPZ4	2288.7	63.8	2224.9	9150.0	6925.1	681	0	0	681	0.2976	

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:10:57

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3963.5	33.7	3929.8	7686.0	3756.2	446	0	0	446	0.1126
Z4toStg	2735.2	9.0	2726.2	7904.1	5177.9	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5444.5	11.4	5433.1	73200.0	67766.9	236		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2170.3	6.1	2164.2	56821.5	54657.3	70	0	0	70	0.0323
LNGtoLNG	106.7	0.0	106.7	2928.0	2821.3	53	0	0	53	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3384.1	53.8	3330.3	3336.1	5.8	0	3360	0	3360	0.9929
PNGTS2RT101	3330.3	50.0	3280.3	3286.0	5.7	0		0		
Total		321.5				2590				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:10:57

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	161	Transportation Cost	2590	JAN 19, 2037	
Penalty Cost	0	Withdrawal Cost	69	Other Variable Cost	0	System Served	226.86
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	226.86
Total Variable	████	Total Variable	230	Total Variable	2590		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	165110
						Total Revenue	0
						Net Cost	165110

Avg Cost of Served Demand 7.260 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.217 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0	
Total	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2381.4	18250.0	15868.6			3.5245	8393	0	8393	3.5245
ENGNiagara	1146.6	1167.3	20.6			2.8903	3314	0	3314	2.8903
ENGPNGTS	360.0	365.0	5.0			3.9025	1405	0	1405	3.9025
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.7226	18215	0	18215	2.7226
Dracut 20	3757.1	7373.0	3615.9			5.9808	22470	0	22470	5.9808
ENG3Summer	69.1	93.5	24.4			11.1567	771	0	771	11.1567
ENG Dawn	1425.1	2190.0	764.9			3.3832	4821	0	4821	3.3832
DAWN	3375.3	3380.7	5.4			3.3739	11388	0	11388	3.3739

Base Case Sensitivity
- Draw 0

Ventyx
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Report 1 (Continued) 10:10:57

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	4141.6	10950.0	6808.4			6.6807	27669	0	27669	6.6807
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	23346.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	102.7	102.7	0	0.0	13	100	0.0	0	83	84	1
ENGPropane	77	100	69.1	69.1	0	0.0	77	100	0.0	0	1045	1053	8
ENGFSMA	1498	96	1772.2	1753.2	0	19.0	1498	96	0.0	0	4045	4082	37
ENGDominion	103	100	104.3	102.2	0	2.0	103	100	0.0	0	284	287	3
ENGNGFG	671	100	722.6	716.9	0	5.7	671	100	5.7	0	1841	1858	17
ENGHON	246	100	229.0	229.0	0	0.0	246	100	0.0	0	661	669	8
GranBrdgLNG	1856	90	2492.7	2264.8	0	226.6	1857	90	22.6	1	5766	5822	56
Total	4463	94	5492.5	5237.9	0	253.3	4464	94	28.3	1	13724	13855	131

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	2381.4	0.0	2381.4	7882.5	5501.1	0	5043	0	5043	2.1177
ENGTGP2Stg	105.3	2.2	103.2	7882.5	7779.4	27	0	0	27	0.2572
ENGTGPLong	6135.6	0.0	6135.6	8698.1	2562.5	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2795.6	23.8	2771.9	10262.0	7490.1	315	2688	0	3003	1.0740
TrCanCharges	1408.9	16.2	1392.7	1477.2	84.5	0	698	0	698	0.4951
IroqCharges	1392.7	8.6	1384.0	1477.2	93.1	124	640	0	763	0.5481
ENGPNCTS	360.0	3.6	356.4	365.0	8.6	1	312	0	312	0.8679
ENGLNG	102.7	0.0	102.7	8654.9	8552.2	0	0	0	0	0.0000
ENGPropane	69.1	0.0	69.1	6335.0	6265.9	0	0	0	0	0.0000
ENG3Truck	69.1	0.0	69.1	4380.0	4310.9	69	0	0	69	1.0000
Dracut 30	5263.2	11.1	5252.1	10950.0	5697.9	228	4388	0	4617	0.8772
UnionCharges	1425.1	16.2	1408.9	1477.2	68.3	0	140	0	140	0.0982
Dracut 20	2635.6	5.5	2630.0	7300.0	4670.0	114	1134	0	1248	0.4736
ENGTGPZ4	2276.1	63.4	2212.7	9125.0	6912.3	677	0	0	677	0.2976

Base Case Sensitivity
- Draw 0

Ventyx
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Report 1 (Continued) 10:10:57

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3956.5	33.6	3922.9	7665.0	3742.1	446	0	0	446	0.1126
Z4toStg	2733.9	9.0	2724.8	7882.5	5157.7	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5405.3	11.4	5394.0	73000.0	67606.0	235		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2139.5	6.0	2133.5	56666.3	54532.8	69	0	0	69	0.0323
LNGtoLNG	102.7	0.0	102.7	2920.0	2817.3	51	0	0	51	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3375.3	53.7	3321.7	3326.9	5.3	0	3360	0	3360	0.9955
PNGTS2RT101	3321.7	49.8	3271.8	3277.0	5.2	0		0		
Total		321.2				2590				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	83	Transportation Cost	2502	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	70	Other Variable Cost	0	System Served	229.59
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable	████	Total Variable	152	Total Variable	2502		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	161102
						Total Revenue	0
						Net Cost	161102

Avg Cost of Served Demand 7.002 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.348 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0
Total	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2361.3	18250.0	15888.7			3.5631	8414	0	8414	3.5631
ENGNiagara	1146.6	1167.3	20.6			2.9192	3347	0	3347	2.9192
ENGPNGTS	360.0	365.0	5.0			3.9416	1419	0	1419	3.9416
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.7498	18397	0	18397	2.7498
Dracut 20	3298.2	7373.0	4074.8			6.4496	21272	0	21272	6.4496
ENG3Summer	69.1	93.5	24.4			11.2683	779	0	779	11.2683
ENG3Dawn	956.9	2190.0	1233.1			3.5118	3360	0	3360	3.5118
DAWN	2871.8	3380.7	508.9			3.4387	9875	0	9875	3.4387

Base Case Sensitivity
- Draw 0

Ventyx
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Report 1 (Continued) 10:10:57

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	4002.9	10950.0	6947.1			6.9302	27741	0	27741	6.9302
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21757.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	98.5	99.2	0	0.0	12	95	0.0	-1	84	83	-1
ENGPropane	77	100	69.1	69.1	0	0.0	77	100	0.0	0	1053	1062	9
ENGFSMA	1498	96	1754.9	1751.7	0	18.8	1482	95	0.0	-16	4082	4082	-1
ENGDominion	103	100	106.4	104.3	0	2.1	103	100	0.0	0	287	289	2
ENGNGFG	671	100	722.3	716.6	0	5.7	671	100	5.7	0	1858	1879	20
ENGHON	246	100	229.0	229.0	0	0.0	246	100	0.0	0	669	675	6
GranBrdgLNG	1857	90	772.9	2352.6	0	70.3	207	10	23.5	-1650	5822	663	-5159
Total	4464	94	3753.1	5322.5	0	96.8	2798	59	29.2	-1666	13855	8732	-5123

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	2361.3	0.0	2361.3	7882.5	5521.2	0	5043	0	5043	2.1358
ENGTGP2Stg	104.1	2.1	101.9	7882.5	7780.6	27	0	0	27	0.2572
ENGTGPLong	6131.4	0.0	6131.4	8698.1	2566.7	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2796.0	23.8	2772.2	10262.0	7489.8	315	2688	0	3003	1.0739
TrCanCharges	946.0	10.9	935.1	1477.2	542.0	0	698	0	698	0.7374
IroqCharges	935.1	5.8	929.3	1477.2	547.8	83	640	0	723	0.7729
ENGPNCTS	360.0	3.6	356.4	365.0	8.6	1	312	0	312	0.8679
ENGLNG	99.2	0.0	99.2	8654.9	8555.7	0	0	0	0	0.0000
ENGPropane	69.1	0.0	69.1	6335.0	6265.9	0	0	0	0	0.0000
ENG3Truck	69.1	0.0	69.1	4380.0	4310.9	69	0	0	69	1.0000
Dracut 30	4649.6	9.8	4639.9	10950.0	6310.1	202	4388	0	4590	0.9872
UnionCharges	956.9	10.9	946.0	1477.2	531.1	0	140	0	140	0.1463
Dracut 20	2651.5	5.6	2645.9	7300.0	4654.1	115	1134	0	1249	0.4710
ENGTGPZ4	2257.2	62.9	2194.3	9125.0	6930.7	672	0	0	672	0.2976

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:10:57

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3970.8	33.8	3937.0	7665.0	3728.0	447	0	0	447	0.1126
Z4toStg	2719.6	9.0	2710.6	7882.5	5171.9	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5008.0	10.5	4997.5	73000.0	68002.5	217		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2230.5	6.2	2224.3	56666.3	54442.0	72	0	0	72	0.0323
LNGtoLNG	98.5	0.0	98.5	2920.0	2821.5	49	0	0	49	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	2871.8	45.7	2826.2	3326.9	500.8	0	3360	0	3360	1.1701
PNGTS2RT101	2826.2	42.4	2783.8	3277.0	493.3	0		0		
Total		290.0				2502				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z
Report 1z

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost		Injection Cost	3004	Transportation Cost	50403	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	1365	Other Variable Cost	0	System Served	229.59
Other Variable Cost	1670	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable		Total Variable	4369	Total Variable	50403		
Demand/Reservation Co		Demand Cost		Demand Cost			
Other Fixed Cost	13078	Other Fixed Cost	20435	Other Fixed Cost	0		
Total Fixed		Total Fixed		Total Fixed			
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost		Net Storage Cost		Net Trans Cost		Total Gas Cost	2797226
						Total Revenue	0
						Net Cost	2797226

Avg Cost of Served Demand 6.725 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.729 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0	
Total	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	49426.8	383500.0	334073.2			3.1820	157274	0	157274	3.1820
ENGNiagara	24086.5	24528.7	442.2			2.5609	61683	0	61683	2.5609
ENGPNGTS	6865.4	7670.0	804.6			3.5537	24398	0	24398	3.5537
ENG3Winter	458.7	1926.6	1467.9			15.0000	6881	0	6881	15.0000
ENG-Z4	140300.8	140539.9	239.0			2.4166	339053	0	339053	2.4166
DLiqWinter	1250.0	1250.0	0.0							
Dracut 20	62905.4	154934.0	92028.6			5.5895	351612	0	351612	5.5895
ENG3Summer	552.8	1962.6	1409.9			10.4339	5767	0	5767	10.4339
DLiqSummer	84.0	84.0	0.0							

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z 15-Nov-2017
Report 1z (Continued) 10:10:57

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	24500.5	46020.0	21519.5			3.1378	76879	0	76879	3.1378
DAWN	58877.5	61607.1	2729.6			3.1078	182981	0	182981	3.1078
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	54847.8	230100.0	175252.2			6.1362	336559	0	336559	6.1362
Engie Combo	3150.0	3150.0	0.0							
Total	427306.2									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	3450.0	3450.6	0	0.0	12	95	0.0	-1	126	83	-43
ENGPropane	77	100	1011.5	1011.5	0	0.0	77	100	0.0	0	953	1062	109
ENGFSMA	1482	95	37254.8	36856.2	0	398.6	1482	95	0.0	0	2573	4082	1509
ENGDominion	103	100	2262.0	2217.9	0	44.1	103	100	0.0	0	178	289	111
ENGNGFG	671	100	15146.8	15027.2	0	119.7	671	100	118.7	0	1164	1879	714
ENGHON	246	100	4862.0	4862.0	0	0.0	246	100	0.0	0	427	675	248
GranBrdgLNG	0	N/A	44065.3	39852.4	0	4005.9	207	10	398.5	207	0	663	663
Total	2591	N/A	108052.4	103277.7	0	4568.3	2798	105	517.2	206	5422	8732	3310

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	49426.8	0.0	49426.8	165641.3	116214.6	0	105908	0	105908	2.1427
ENGTGP2Stg	2214.2	45.3	2168.9	165641.3	163472.4	570	0	0	570	0.2572
ENGTGPLong	127947.5	0.0	127947.5	182768.0	54820.4	0	0	0	0	0.0000
ENGTGPBND	24086.5	149.3	23937.1	23945.7	8.6	2056	5614	0	7670	0.3184
ENGTGPShort	58844.5	500.2	58344.3	215642.1	157297.7	6628	56441	0	63069	1.0718
TrCanCharges	24221.5	278.5	23942.9	31040.5	7097.6	0	14649	0	14649	0.6048
IroqCharges	23942.9	148.4	23794.5	31040.5	7246.0	2125	13435	0	15560	0.6499
ENGPNGTS	6865.4	68.7	6796.7	7670.0	873.3	12	6548	0	6560	0.9556
ENGLNG	3450.6	0.0	3450.6	181871.0	178420.4	0	0	0	0	0.0000
ENGPropane	1011.5	0.0	1011.5	133210.0	132198.5	0	0	0	0	0.0000
ENG3Truck	1011.5	0.0	1011.5	92040.0	91028.5	1011	0	0	1011	1.0000
Dracut 30	85462.9	179.5	85283.4	230100.0	144816.6	3710	92155	0	95865	1.1217
UnionCharges	24500.5	279.1	24221.5	31040.5	6819.0	0	2940	0	2940	0.1200

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z 15-Nov-2017
Report 1z (Continued) 10:10:57

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	34549.1	72.6	34476.5	153400.0	118923.5	1500	23807	0	25307	0.7325
ENGTGPZ4	47212.6	1315.9	45896.7	191750.0	145853.3	14049	0	0	14049	0.2976
Z4toTGPLH	82754.2	703.4	82050.8	161070.0	79019.2	9321	0	0	9321	0.1126
Z4toStg	57546.6	189.9	57356.7	165641.3	108284.7	2851	0	0	2851	0.0495
Engie2CG	2900.0	8.1	2891.9	22232.0	19340.1	97	0	0	97	0.0334
GranBrdgPL	92295.5	193.8	92101.7	1241800.0	1149698.3	4006		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	37587.8	105.2	37482.6	1190767.5	1153284.9	1214	0	0	1215	0.0323
LNGtoLNG	1866.0	0.0	1866.0	61360.0	59494.0	933	0	0	933	0.5000
Engie2ENGLNG	250.0	0.0	250.0	1050.0	800.0	250	0	0	250	1.0000
Dawn2Dracut	2330.8	72.0	2258.7	4098.3	1839.5	70		0		
DAWNTCPL	56546.7	899.1	55647.6	56594.4	946.8	0	57124	0	57124	1.0102
PNGTS2RT101	55647.6	834.7	54812.9	55745.5	932.6	0		0		
Total		6043.7				50403				

Base Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1X 15-Nov-2017
Report 1X 10:10:57

RESOURCE MIX RESULTS

Units: MDT

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	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Supplies	DAWN	NOV 2021	OCT 2038	0.00	150.00	9.26
	Repsol 40	NOV 2021	OCT 2038	0.00	150.00	0.00
	Engie Combo	NOV 2022	OCT 2038	0.00	7.00	0.00

	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Segments	Repsol to101	NOV 2021	OCT 2038	0.00	150.00	0.00
	Repsol2Drac	NOV 2017	OCT 2038	0.00	50.00	0.00
	Dawn2Dracut	NOV 2021	OCT 2038	0.00	150.00	0.00
	DAWNTCPL	NOV 2021	OCT 2038	0.00	150.00	9.11
	PNGTS2RT101	NOV 2021	OCT 2038	0.00	150.00	8.98

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Alternative Case
- Draw 0

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SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2133	JAN 19, 2018	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	156.82
Other Variable Cost	339	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	156.82
Total Variable	████	Total Variable	94	Total Variable	2133		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85257
						Total Revenue	0
						Net Cost	85257

Avg Cost of Served Demand 5.453 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.167 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0
Total	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2331.2	18250.0	15918.8			3.0161	7031	0	7031	3.0161
ENGNiagara	1146.6	1167.3	20.6			2.3679	2715	0	2715	2.3679
ENGPNGTS	156.0	365.0	209.0			4.1356	645	0	645	4.1356
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6592.1	6690.4	98.3			2.3200	15294	0	15294	2.3200
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2536.1	7373.0	4836.9			6.4882	16455	0	16455	6.4882
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Alternative Case
- Draw 0

Ventyx
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NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	754.8	2190.0	1435.2			3.1759	2397	0	2397	3.1759
DAWN	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1272.6	10950.0	9677.4			7.2109	9177	0	9177	7.2109
Engie Combo	630.0	630.0	0.0							
Total	15851.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	321.0	321.6	0	0.0	12	95	0.0	-1	126	103	-23
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	953	1043	90
ENGFSMA	1482	95	1774.0	1739.4	0	19.0	1498	96	0.0	16	2573	3509	936
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	178	244	66
ENGNGFG	671	100	725.3	719.6	0	5.7	671	100	5.7	0	1164	1598	434
ENGHON	246	100	236.9	236.9	0	0.0	246	100	0.0	0	427	554	126
Total	2591	97	3326.8	3285.0	0	26.8	2606	98	5.7	15	5422	7050	1628

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2331.2	0.0	2331.2	7882.5	5551.4	0	5043	0	5043	2.1634
ENGTGP2Stg	107.8	2.2	105.6	7882.5	7777.0	28	0	0	28	0.2572
ENGTGPLong	5972.4	0.0	5972.4	8698.1	2725.7	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2796.9	23.8	2773.1	10262.0	7488.9	315	2688	0	3003	1.0736
TrCanCharges	746.2	8.6	737.6	1477.2	739.6	0	698	0	698	0.9349
IroqCharges	737.6	4.6	733.0	1477.2	744.1	65	640	0	705	0.9561
ENGPNGTS	156.0	1.6	154.4	365.0	210.6	0	312	0	312	2.0004
ENGLNG	321.6	0.0	321.6	8654.9	8333.2	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3216.8	6.8	3210.1	10950.0	7739.9	140	4388	0	4528	1.4076
UnionCharges	754.8	8.6	746.2	1477.2	731.0	0	140	0	140	0.1855
Dracut 20	591.9	1.2	590.7	7300.0	6709.3	26	1134	0	1159	1.9587

Alternative Case

- Draw 0

Ventyx

SENDOUT® Version 14.1.1

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Report 1 (Continued)

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NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2223.4	62.0	2161.4	9125.0	6963.6	662	0	0	662	0.2976
Z4toTGPLH	3843.6	32.7	3810.9	7665.0	3854.1	433	0	0	433	0.1126
Z4toStg	2748.5	9.1	2739.4	7882.5	5143.1	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	37302.1	37302.1	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		169.7				2133	15309		17442	0.6089

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
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NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2164	JAN 19, 2019	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	160.99
Other Variable Cost	339	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	160.99
Total Variable	████	Total Variable	94	Total Variable	2164		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85646
						Total Revenue	0
						Net Cost	85646

Avg Cost of Served Demand 5.328 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.004 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0	
Total	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2334.7	18250.0	15915.3			2.9106	6795	0	6795	2.9106
ENGNiagara	1146.6	1167.3	20.6			2.1649	2482	0	2482	2.1649
ENGPNGTS	224.4	365.0	140.6			3.5436	795	0	795	3.5436
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6620.4	6690.4	70.0			2.1145	13999	0	13999	2.1145
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2670.1	7373.0	4702.9			6.4879	17323	0	17323	6.4879
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Alternative Case
- Draw 0

Ventyx
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Report 1 (Continued) 11:24:28

NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary											
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost	
ENGDawn	766.8	2190.0	1423.2			2.9503	2262	0	2262	2.9503	
DAWN	344.3	651.2	306.9			2.9377	1011	0	1011	2.9377	
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000	
Dracut 30	1121.1	10950.0	9828.9			7.4325	8333	0	8333	7.4325	
Engie Combo	630.0	630.0	0.0								
Total	16290.3										

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	103	98	-4
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3509	3141	-368
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	244	222	-23
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1598	1433	-165
ENGHON	246	100	235.7	235.7	0	0.0	246	100	0.0	0	554	519	-35
Total	2606	98	3323.7	3296.8	0	26.8	2606	98	5.6	0	7050	6456	-594

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2334.7	0.0	2334.7	7882.5	5547.9	0	5043	0	5043	2.1602
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6007.0	0.0	6007.0	8698.1	2691.1	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2809.3	23.9	2785.5	10262.0	7476.5	316	2688	0	3004	1.0693
TrCanCharges	758.1	8.7	749.4	1477.2	727.8	0	698	0	698	0.9202
IroqCharges	749.4	4.6	744.7	1477.2	732.4	67	640	0	706	0.9425
ENGPNGTS	224.4	2.2	222.2	365.0	142.8	0	312	0	312	1.3913
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3466.4	7.3	3459.1	10950.0	7490.9	150	4388	0	4539	1.3094
UnionCharges	766.8	8.7	758.1	1477.2	719.1	0	140	0	140	0.1826
Dracut 20	658.5	1.4	657.1	7300.0	6642.9	29	1134	0	1162	1.7651

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
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NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2228.3	62.1	2166.2	9125.0	6958.8	663	0	0	663	0.2976
Z4toTGPLH	3873.7	32.9	3840.8	7665.0	3824.2	436	0	0	436	0.1126
Z4toStg	2746.7	9.1	2737.6	7882.5	5144.9	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	37302.1	37302.1	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	344.3	10.6	333.7	651.2	317.5	10		0		
DAWNTPCL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		182.5				2164				

Alternative Case
- Draw 0

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Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2199	JAN 19, 2020	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	164.64
Other Variable Cost	340	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	164.64
Total Variable	████	Total Variable	94	Total Variable	2199		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	86721
						Total Revenue	0
						Net Cost	86721

Avg Cost of Served Demand 5.232 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.839 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0	
Total	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2324.1	18300.0	15975.9			2.7954	6497	0	6497	2.7954
ENGNiagara	1144.7	1170.5	25.8			2.1355	2444	0	2444	2.1355
ENGPNGTS	277.9	366.0	88.1			3.2830	912	0	912	3.2830
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6657.9	6698.7	40.8			1.9745	13146	0	13146	1.9745
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2646.5	7393.2	4746.7			6.4176	16984	0	16984	6.4176
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Alternative Case
- Draw 0

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Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	756.8	2196.0	1439.2			2.8586	2163	0	2163	2.8586
DAWN	898.0	1622.1	724.1			2.8309	2542	0	2542	2.8309
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1041.2	10980.0	9938.8			7.4269	7733	0	7733	7.4269
Engie Combo	630.0	630.0	0.0							
Total	16808.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	98	97	-1
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3141	2991	-150
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	222	211	-11
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1433	1363	-70
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	519	492	-27
Total	2606	98	3322.5	3295.6	0	26.8	2606	98	5.6	0	6456	6197	-259

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	2324.1	0.0	2324.1	7904.1	5580.1	0	5043	0	5043	2.1700
ENGTGP2Stg	106.4	2.2	104.2	7904.1	7800.0	27	0	0	27	0.2572
ENGTGPLong	6035.0	0.0	6035.0	8719.7	2684.6	0	0	0	0	0.0000
ENGTGPBND	1144.7	7.1	1137.6	1142.7	5.1	98	267	0	365	0.3189
ENGTGPShort	2808.2	23.9	2784.3	10290.1	7505.8	316	2688	0	3004	1.0697
TrCanCharges	748.2	8.6	739.6	1481.2	741.6	0	698	0	698	0.9324
IroqCharges	739.6	4.6	735.0	1481.2	746.2	66	640	0	705	0.9538
ENGPNGTS	277.9	2.8	275.2	366.0	90.8	0	312	0	312	1.1236
ENGLNG	321.0	0.0	321.0	8678.6	8357.6	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6370.0	6209.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4392.0	4231.2	161	0	0	161	1.0000
Dracut 30	3718.2	7.8	3710.4	10980.0	7269.6	161	4388	0	4550	1.2236
UnionCharges	756.8	8.6	748.2	1481.2	733.0	0	140	0	140	0.1850
Dracut 20	839.6	1.8	837.9	7320.0	6482.1	36	1134	0	1170	1.3936

Alternative Case
- Draw 0

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Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2217.7	61.8	2155.9	9150.0	6994.1	660	0	0	660	0.2976
Z4toTGPLH	3912.4	33.3	3879.1	7686.0	3806.9	441	0	0	441	0.1126
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1064.0	485.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	37404.3	37404.3	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	898.0	27.7	870.2	1622.1	751.9	27		0		
DAWNTPCL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		200.8				2199				

Alternative Case
- Draw 0

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NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2220	JAN 19, 2021	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	168.93
Other Variable Cost	340	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	168.93
Total Variable	████	Total Variable	94	Total Variable	2220		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	89669
						Total Revenue	0
						Net Cost	89669

Avg Cost of Served Demand 5.274 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.890 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0
Total	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2314.3	18250.0	15935.7			2.8137	6512	0	6512	2.8137
ENGNiagara	1143.1	1167.3	24.1			2.1441	2451	0	2451	2.1441
ENGPNGTS	291.5	365.0	73.5			3.2469	947	0	947	3.2469
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6660.4	6690.4	30.0			1.9829	13207	0	13207	1.9829
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2613.1	7373.0	4759.9			6.3884	16694	0	16694	6.3884
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Alternative Case
- Draw 0

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Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	761.3	2190.0	1428.7			2.8564	2174	0	2174	2.8564
DAWN	1088.5	1825.0	736.5			2.8117	3061	0	3061	2.8117
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1306.5	10950.0	9643.5			7.5929	9920	0	9920	7.5929
Engie Combo	630.0	630.0	0.0							
Total	17240.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	97	98	1
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	2991	3017	26
ENGDominion	103	100	108.5	106.4	0	2.1	103	100	0.0	0	211	212	1
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1363	1374	11
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	492	491	-1
Total	2606	98	3320.1	3293.3	0	26.8	2606	98	5.6	0	6197	6235	38

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	2314.3	0.0	2314.3	7882.5	5568.2	0	5043	0	5043	2.1791
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6030.4	0.0	6030.4	8698.1	2667.7	0	0	0	0	0.0000
ENGTGPBND	1143.1	7.1	1136.0	1139.5	3.5	98	267	0	365	0.3192
ENGTGPShort	2805.8	23.8	2782.0	10262.0	7480.0	316	2688	0	3004	1.0705
TrCanCharges	752.6	8.7	743.9	1477.2	733.2	0	698	0	698	0.9269
IroqCharges	743.9	4.6	739.3	1477.2	737.8	66	640	0	706	0.9487
ENGPNGTS	291.5	2.9	288.6	365.0	76.4	1	312	0	312	1.0714
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG C3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3927.5	8.2	3919.3	10950.0	7030.7	170	4388	0	4559	1.1607
UnionCharges	761.3	8.7	752.6	1477.2	724.6	0	140	0	140	0.1839
Dracut 20	1046.9	2.2	1044.7	7300.0	6255.3	45	1134	0	1179	1.1263

Alternative Case
- Draw 0

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NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2208.0	61.5	2146.4	9125.0	6978.6	657	0	0	657	0.2976
Z4toTGPLH	3917.3	33.3	3884.0	7665.0	3781.0	441	0	0	441	0.1126
Z4toStg	2743.1	9.1	2734.1	7882.5	5148.5	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	37302.1	37302.1	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	1088.5	33.6	1054.8	1825.0	770.2	33		0		
DAWNTPCL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		207.6				2220				

Alternative Case
- Draw 0

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NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	46	Transportation Cost	2033	JAN 19, 2022	
Penalty Cost	0	Withdrawal Cost	44	Other Variable Cost	0	System Served	173.92
Other Variable Cost	28	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	173.92
Total Variable	████	Total Variable	90	Total Variable	2033		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	136534
						Total Revenue	0
						Net Cost	136534

Avg Cost of Served Demand 7.790 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.617 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0
Total	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2293.8	18250.0	15956.2			2.8411	6517	0	6517	2.8411
ENGNiagara	1144.6	1167.3	22.7			2.1910	2508	0	2508	2.1910
ENGPNGTS	219.5	365.0	145.5			2.5533	561	0	561	2.5533
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6667.0	6690.4	23.4			2.0468	13646	0	13646	2.0468
DLiqWinter	0.0	250.0	250.0							
Dracut 20	407.2	7373.0	6965.8			3.1798	1295	0	1295	3.1798
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
DLiqSummer	21.0	21.0	0.0							

Alternative Case
- Draw 0

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Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	751.8	2190.0	1438.2			2.8834	2168	0	2168	2.8834
DAWN	1576.5	2496.1	919.6			2.8249	4453	0	4453	2.8249
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	131.9	10950.0	10818.1			3.1706	418	0	418	3.1706
Engie Combo	404.6	630.0	225.4							
Total	17832.2									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	43.3	42.6	0	0.0	13	100	0.0	1	98	100	2
ENGPropane	77	100	0.0	76.8	0	0.0	0	0	0.0	-77	1043	120	-923
ENGFSMA	1498	96	1758.5	1739.7	0	18.8	1498	96	0.0	0	3017	3117	100
ENGDominion	103	100	108.5	106.4	0	2.1	103	100	0.0	0	212	218	7
ENGNGFG	671	100	676.1	670.8	0	5.3	671	100	5.3	0	1374	1419	45
ENGHON	246	100	240.1	240.1	0	0.0	246	100	0.0	0	491	505	14
Total	2606	98	2826.4	2876.3	0	26.3	2530	95	5.3	-76	6235	5480	-755

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2293.8	0.0	2293.8	7882.5	5588.7	0	5043	0	5043	2.1986	
ENGTGP2Stg	21.5	0.4	21.1	7882.5	7861.5	6	0	0	6	0.2572	
ENGTGPLong	6071.6	0.0	6071.6	8698.1	2626.5	0	0	0	0	0.0000	
ENGTGPBND	1144.6	7.1	1137.5	1139.5	2.0	98	267	0	365	0.3189	
ENGTGPShort	2751.6	23.4	2728.2	10262.0	7533.8	310	2688	0	2998	1.0894	
TrCanCharges	743.2	8.5	734.7	1477.2	742.5	0	698	0	698	0.9386	
IroqCharges	734.7	4.6	730.1	1477.2	747.0	65	640	0	705	0.9596	
ENGPNGTS	219.5	2.2	217.3	365.0	147.7	0	312	0	312	1.4221	
ENGLNG	42.6	0.0	42.6	8654.9	8612.2	0	0	0	0	0.0000	
ENGPropane	76.8	0.0	76.8	6335.0	6258.2	0	0	0	0	0.0000	
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	457.0	1.0	456.0	10950.0	10494.0	20	4388	0	4408	9.6469	
UnionCharges	751.8	8.6	743.2	1477.2	733.9	0	140	0	140	0.1862	
Dracut 20	82.1	0.2	81.9	7300.0	7218.1	4	1134	0	1137	13.8586	

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2272.3	63.3	2209.0	9125.0	6916.0	676	0	0	676	0.2976
Z4toTGPLH	3895.7	33.1	3862.6	7665.0	3802.4	439	0	0	439	0.1126
Z4toStg	2771.3	9.1	2762.1	7882.5	5120.4	137	0	0	137	0.0495
Engie2CG	382.3	1.1	381.2	1057.0	675.8	13	0	0	13	0.0334
GranBrdgPL	5616.0	11.8	5604.2	54750.0	49145.8	244		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	22.3	0.0	22.3	50.0	27.7	22	0	0	22	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTPCL	1576.5	25.1	1551.4	2456.4	905.0	0	2481	0	2481	1.5737
PNGTS2RT101	1551.4	23.3	1528.1	2419.6	891.4	0		0		
Total		349.1				2033				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2072	JAN 19, 2023	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	179.38
Other Variable Cost	28	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	179.38
Total Variable	████	Total Variable	94	Total Variable	2072		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	134038
						Total Revenue	0
						Net Cost	134038

Avg Cost of Served Demand 7.417 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.289 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0	
Total	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2301.9	18250.0	15948.1			2.8832	6637	0	6637	2.8832
ENGNiagara	1145.7	1167.3	21.5			2.2569	2586	0	2586	2.2569
ENGPNGTS	275.7	365.0	89.3			2.8310	781	0	781	2.8310
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6672.4	6690.4	18.0			2.1145	14109	0	14109	2.1145
Dracut 20	891.8	7373.0	6481.2			3.5280	3146	0	3146	3.5280
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	767.6	2190.0	1422.4			2.9180	2240	0	2240	2.9180

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	1657.9	2496.1	838.2			2.8519	4728	0	4728	2.8519
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	405.2	10950.0	10544.8			3.4533	1399	0	1399	3.4533
Engie Combo	103.9	103.9	0.0							
Total	18457.5									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	46.5	47.1	0	0.0	12	95	0.0	-1	100	98	-2
ENGFSMA	1498	96	1785.2	1766.1	0	19.1	1498	96	0.0	0	3117	3219	102
ENGDominion	103	100	114.2	111.9	0	2.2	103	100	0.0	0	218	226	7
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1419	1463	44
ENGHON	246	100	236.4	236.4	0	0.0	246	100	0.0	0	505	521	16
Total	2530	98	2903.1	2876.7	0	27.0	2530	98	5.6	-1	5480	5647	167

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2301.9	0.0	2301.9	7882.5	5580.7	0	5043	0	5043	2.1909
ENGTGP2Stg	104.0	2.1	101.9	7882.5	7780.6	27	0	0	27	0.2572
ENGTGPLong	6011.9	0.0	6011.9	8698.1	2686.2	0	0	0	0	0.0000
ENGTGPBND	1145.7	7.1	1138.6	1139.5	0.9	98	267	0	365	0.3187
ENGTGPShort	2824.0	24.0	2800.0	10262.0	7462.0	318	2688	0	3006	1.0644
TrCanCharges	758.8	8.7	750.1	1477.2	727.0	0	698	0	698	0.9193
IroqCharges	750.1	4.7	745.5	1477.2	731.7	67	640	0	706	0.9416
ENGPNGTS	275.7	2.8	273.0	365.0	92.0	0	312	0	312	1.1326
ENGLNG	47.1	0.0	47.1	8654.9	8607.8	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	1131.8	2.4	1129.4	10950.0	9820.6	49	4388	0	4437	3.9209
UnionCharges	767.6	8.7	758.8	1477.2	718.3	0	140	0	140	0.1824
Dracut 20	165.3	0.3	165.0	7300.0	7135.0	7	1134	0	1141	6.9008
ENGTGPZ4	2197.8	61.3	2136.6	9125.0	6988.4	654	0	0	654	0.2976
Z4toTGPLH	3908.6	33.2	3875.3	7665.0	3789.7	440	0	0	440	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
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NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2763.9	9.1	2754.7	7882.5	5127.8	137	0	0	137	0.0495
Engie2CG	78.4	0.2	78.2	1057.0	978.8	3	0	0	3	0.0334
GranBrdgPL	5695.0	12.0	5683.0	54750.0	49067.0	247		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	25.5	0.0	25.5	50.0	24.5	25	0	0	25	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	1657.9	26.4	1631.6	2456.4	824.9	0	2481	0	2481	1.4964
PNGTS2RT101	1631.6	24.5	1607.1	2419.6	812.5	0		0		
Total		353.9				2072				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2104	JAN 19, 2024	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	184.43
Other Variable Cost	28	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	184.43
Total Variable	████	Total Variable	94	Total Variable	2104		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	137684
						Total Revenue	0
						Net Cost	137684

Avg Cost of Served Demand 7.387 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.320 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0
Total	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2320.4	18300.0	15979.6			2.9333	6806	0	6806		2.9333
ENGNiagara	1149.4	1170.5	21.1			2.3421	2692	0	2692		2.3421
ENGPNGTS	279.8	366.0	86.2			2.8736	804	0	804		2.8736
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6684.4	6698.7	14.3			2.2058	14745	0	14745		2.2058
Dracut 20	1122.6	7393.2	6270.6			3.8755	4350	0	4350		3.8755
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
DLiqSummer	21.0	21.0	0.0								
ENG3Dawn	781.9	2196.0	1414.1			2.9667	2320	0	2320		2.9667

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
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NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	1748.1	2502.9	754.9			2.8964	5063	0	5063	2.8964
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	604.2	10980.0	10375.8			3.7064	2240	0	2240	3.7064
Engie Combo	103.9	103.9	0.0							
Total	19029.9									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	47.3	47.3	0	0.0	12	95	0.0	0	98	100	2
ENGFSMA	1498	96	1780.1	1761.0	0	19.0	1498	96	0.0	0	3219	3362	142
ENGDominion	103	100	114.2	111.9	0	2.2	103	100	0.0	0	226	236	10
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1463	1527	65
ENGHON	246	100	239.4	239.4	0	0.0	246	100	0.0	0	521	544	22
Total	2530	98	2901.7	2874.8	0	27.0	2530	98	5.6	0	5647	5889	241

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2320.4	0.0	2320.4	7904.1	5583.8	0	5043	0	5043	2.1735	
ENGTGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572	
ENGTGPLong	6044.0	0.0	6044.0	8719.7	2675.7	0	0	0	0	0.0000	
ENGTGPBND	1149.4	7.1	1142.2	1142.7	0.4	98	267	0	365	0.3179	
ENGTGPShort	2821.8	24.0	2797.9	10290.1	7492.2	318	2688	0	3006	1.0651	
TrCanCharges	773.0	8.9	764.1	1481.2	717.1	0	698	0	698	0.9024	
IroqCharges	764.1	4.7	759.4	1481.2	721.8	68	640	0	708	0.9260	
ENGPNGTS	279.8	2.8	277.0	366.0	89.0	0	312	0	312	1.1164	
ENGLNG	47.3	0.0	47.3	8678.6	8631.3	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	1427.9	3.0	1424.9	10980.0	9555.1	62	4388	0	4450	3.1168	
UnionCharges	781.9	8.9	773.0	1481.2	708.2	0	140	0	140	0.1791	
Dracut 20	299.0	0.6	298.3	7320.0	7021.7	13	1134	0	1147	3.8356	
ENGTGPZ4	2215.0	61.7	2153.2	9150.0	6996.8	659	0	0	659	0.2976	
Z4toTGPLH	3924.1	33.4	3890.7	7686.0	3795.3	442	0	0	442	0.1126	

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2760.3	9.1	2751.2	7904.1	5152.9	137	0	0	137	0.0495
Engie2CG	77.6	0.2	77.4	1064.0	986.6	3	0	0	3	0.0334
GranBrdgPL	5782.4	12.1	5770.2	54900.0	49129.8	251		0		
Repsol to101	4214.3	126.4	4087.9	37404.3	33316.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	26.3	0.0	26.3	50.0	23.7	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	1748.1	27.8	1720.3	2463.1	742.9	0	2481	0	2481	1.4193
PNGTS2RT101	1720.3	25.8	1694.5	2426.2	731.7	0		0		
Total		358.8				2104				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2120	JAN 19, 2025	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	188.86
Other Variable Cost	28	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	188.86
Total Variable	████	Total Variable	94	Total Variable	2120		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	140931
						Total Revenue	0
						Net Cost	140931

Avg Cost of Served Demand 7.414 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.384 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0
Total	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2312.0	18250.0	15938.0			3.0014	6939	0	6939	3.0014
ENGNiagara	1146.6	1167.3	20.6			2.4387	2796	0	2796	2.4387
ENGPNGTS	285.5	365.0	79.5			2.9466	841	0	841	2.9466
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6678.6	6690.4	11.8			2.3072	15409	0	15409	2.3072
Dracut 20	1363.0	7373.0	6010.0			3.9382	5368	0	5368	3.9382
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
DLiqSummer	21.0	21.0	0.0							
ENG3Dawn	853.3	2190.0	1336.7			3.0070	2566	0	2566	3.0070

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
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NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	1747.5	2496.1	748.6			2.9632	5178	0	5178	2.9632
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	677.2	10950.0	10272.8			4.2294	2864	0	2864	4.2294
Engie Combo	103.9	103.9	0.0							
Total	19403.0									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	47.2	47.2	0	0.0	12	95	0.0	0	100	102	2
ENGFSMA	1498	96	1777.9	1758.9	0	19.0	1498	96	0.0	0	3362	3517	155
ENGDominion	103	100	113.9	111.7	0	2.2	103	100	0.0	0	236	246	10
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1527	1594	67
ENGHON	246	100	238.2	238.2	0	0.0	246	100	0.0	0	544	568	24
Total	2530	98	2898.0	2871.1	0	26.9	2530	98	5.6	0	5889	6148	259

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPPProd	2312.0	0.0	2312.0	7882.5	5570.5	0	5043	0	5043	2.1813	
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572	
ENGTGPLong	6033.7	0.0	6033.7	8698.1	2664.4	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2818.3	24.0	2794.3	10262.0	7467.7	317	2688	0	3005	1.0663	
TrCanCharges	843.6	9.7	833.9	1477.2	643.3	0	698	0	698	0.8270	
IroqCharges	833.9	5.2	828.7	1477.2	648.5	74	640	0	714	0.8560	
ENGPNGTS	285.5	2.9	282.6	365.0	82.4	1	312	0	312	1.0941	
ENGLNG	47.2	0.0	47.2	8654.9	8607.7	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	1691.2	3.6	1687.6	10950.0	9262.4	73	4388	0	4462	2.6382	
UnionCharges	853.3	9.7	843.6	1477.2	633.6	0	140	0	140	0.1641	
Dracut 20	349.1	0.7	348.3	7300.0	6951.7	15	1134	0	1149	3.2912	
ENGTGPZ4	2208.8	61.6	2147.3	9125.0	6977.7	657	0	0	657	0.2976	
Z4toTGPLH	3919.8	33.3	3886.4	7665.0	3778.6	442	0	0	442	0.1126	

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2758.9	9.1	2749.8	7882.5	5132.8	137	0	0	137	0.0495
Engie2CG	77.7	0.2	77.5	1057.0	979.5	3	0	0	3	0.0334
GranBrdgPL	5781.8	12.1	5769.7	54750.0	48980.3	251		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	26.2	0.0	26.2	50.0	23.8	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	1747.5	27.8	1719.7	2456.4	736.7	0	2481	0	2481	1.4197
PNGTS2RT101	1719.7	25.8	1693.9	2419.6	725.6	0		0		
Total		361.3				2120				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2141	JAN 19, 2026	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	192.93
Other Variable Cost	29	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	192.93
Total Variable	████	Total Variable	94	Total Variable	2141		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	144772
						Total Revenue	0
						Net Cost	144772

Avg Cost of Served Demand 7.456 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.466 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0
Total	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2317.2	18250.0	15932.8			3.1025	7189	0	7189	3.1025
ENGNiagara	1146.6	1167.3	20.6			2.5483	2922	0	2922	2.5483
ENGPNGTS	289.8	365.0	75.2			3.0196	875	0	875	3.0196
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6680.5	6690.4	9.9			2.4136	16124	0	16124	2.4136
Dracut 20	1513.8	7373.0	5859.2			4.3060	6518	0	6518	4.3060
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	902.2	2190.0	1287.8			3.0846	2783	0	2783	3.0846

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	1774.8	2496.1	721.3			3.0499	5413	0	5413	3.0499
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	849.4	10950.0	10100.6			4.1517	3526	0	3526	4.1517
Engie Combo	103.9	103.9	0.0							
Total	19813.5									

Storage Summary													
	Starting	%	Total	Total	NetInv	Inj	Final	%	With.	Diff in	Start	Final	Diff in
Storage	Balance	Full	Inj.	With.	Adj.	Fuel	Balance	Full	Fuel	Balance	Value	Value	Value
ENGLNG	12	95	47.2	47.2	0	0.0	12	95	0.0	0	102	104	2
ENGFSMA	1498	96	1777.9	1758.9	0	19.0	1498	96	0.0	0	3517	3670	153
ENGDominion	103	100	113.9	111.7	0	2.2	103	100	0.0	0	246	256	10
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1594	1663	68
ENGHON	246	100	238.2	238.2	0	0.0	246	100	0.0	0	568	593	25
Total	2530	98	2898.0	2871.1	0	26.9	2530	98	5.6	0	6148	6407	259

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2317.2	0.0	2317.2	7882.5	5565.3	0	5043	0	5043	2.1764
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572
ENGTGPLong	6040.6	0.0	6040.6	8698.1	2657.5	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2818.3	24.0	2794.3	10262.0	7467.7	317	2688	0	3005	1.0663
TrCanCharges	891.9	10.3	881.6	1477.2	595.5	0	698	0	698	0.7821
IroqCharges	881.6	5.5	876.2	1477.2	601.0	78	640	0	718	0.8144
ENGPNGTS	289.8	2.9	286.9	365.0	78.1	1	312	0	312	1.0776
ENGLNG	47.2	0.0	47.2	8654.9	8607.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	1904.6	4.0	1900.6	10950.0	9049.4	83	4388	0	4471	2.3475
UnionCharges	902.2	10.3	891.9	1477.2	585.3	0	140	0	140	0.1552
Dracut 20	458.6	1.0	457.6	7300.0	6842.4	20	1134	0	1154	2.5155
ENGTGPZ4	2214.0	61.7	2152.3	9125.0	6972.7	659	0	0	659	0.2976
Z4toTGPLH	3921.6	33.3	3888.3	7665.0	3776.7	442	0	0	442	0.1126

Alternative Case
- Draw 0

Ventyx
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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2758.9	9.1	2749.8	7882.5	5132.8	137	0	0	137	0.0495
Engie2CG	77.7	0.2	77.5	1057.0	979.5	3	0	0	3	0.0334
GranBrdgPL	5808.3	12.2	5796.1	54750.0	48953.9	252		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	26.2	0.0	26.2	50.0	23.8	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	1774.8	28.2	1746.6	2456.4	709.9	0	2481	0	2481	1.3979
PNGTS2RT101	1746.6	26.2	1720.4	2419.6	699.2	0		0		
Total		364.4				2141				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2158	JAN 19, 2027	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	196.78
Other Variable Cost	29	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	196.78
Total Variable	████	Total Variable	94	Total Variable	2158		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	148028
						Total Revenue	0
						Net Cost	148028

Avg Cost of Served Demand 7.480 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.525 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0
Total	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2317.6	18250.0	15932.4			3.1953	7405	0	7405		3.1953
ENGNiagara	1146.6	1167.3	20.6			2.6165	3000	0	3000		2.6165
ENGPNGTS	294.5	365.0	70.5			3.0581	900	0	900		3.0581
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6681.8	6690.4	8.6			2.4648	16469	0	16469		2.4648
Dracut 20	1588.0	7373.0	5785.0			4.5599	7241	0	7241		4.5599
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
DLiqSummer	21.0	21.0	0.0								
ENG Dawn	911.9	2190.0	1278.1			3.1587	2880	0	2880		3.1587

Alternative Case
- Draw 0

Ventyx
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NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	1829.2	2496.1	666.9			3.1137	5696	0	5696	3.1137
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	1079.6	10950.0	9870.4			4.2558	4595	0	4595	4.2558
Engie Combo	103.9	103.9	0.0							
Total	20188.4									

Storage Summary													
	Starting	%	Total	Total	NetInv	Inj	Final	%	With.	Diff in	Start	Final	Diff in
Storage	Balance	Full	Inj.	With.	Adj.	Fuel	Balance	Full	Fuel	Balance	Value	Value	Value
ENGLNG	12	95	47.2	47.2	0	0.0	12	95	0.0	0	104	106	2
ENGFSMA	1498	96	1780.1	1761.0	0	19.0	1498	96	0.0	0	3670	3709	38
ENGDominion	103	100	113.9	111.7	0	2.2	103	100	0.0	0	256	260	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1663	1686	23
ENGHON	246	100	237.0	237.0	0	0.0	246	100	0.0	0	593	603	10
Total	2530	98	2899.0	2872.1	0	27.0	2530	98	5.6	0	6407	6483	77

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2317.6	0.0	2317.6	7882.5	5565.0	0	5043	0	5043	2.1761
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENGTGPLong	6041.2	0.0	6041.2	8698.1	2656.9	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2819.2	24.0	2795.3	10262.0	7466.7	318	2688	0	3005	1.0660
TrCanCharges	901.6	10.4	891.2	1477.2	586.0	0	698	0	698	0.7738
IroqCharges	891.2	5.5	885.7	1477.2	591.5	79	640	0	719	0.8066
ENGPNGTS	294.5	2.9	291.5	365.0	73.5	1	312	0	312	1.0607
ENGLNG	47.2	0.0	47.2	8654.9	8607.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	2177.1	4.6	2172.5	10950.0	8777.5	95	4388	0	4483	2.0591
UnionCharges	911.9	10.4	901.6	1477.2	575.6	0	140	0	140	0.1535
Dracut 20	490.5	1.0	489.5	7300.0	6810.5	21	1134	0	1155	2.3546
ENGTGPZ4	2212.2	61.7	2150.5	9125.0	6974.5	658	0	0	658	0.2976
Z4toTGPLH	3924.1	33.4	3890.7	7665.0	3774.3	442	0	0	442	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2757.7	9.1	2748.6	7882.5	5134.0	137	0	0	137	0.0495
Engie2CG	77.7	0.2	77.5	1057.0	979.5	3	0	0	3	0.0334
GranBrdgPL	5861.1	12.3	5848.7	54750.0	48901.3	254		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	26.2	0.0	26.2	50.0	23.8	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	1829.2	29.1	1800.2	2456.4	656.3	0	2481	0	2481	1.3563
PNGTS2RT101	1800.2	27.0	1773.1	2419.6	646.4	0		0		
Total		367.2				2158				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2182	JAN 19, 2028	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	199.95
Other Variable Cost	29	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	199.95
Total Variable	████	Total Variable	94	Total Variable	2182		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	150633
						Total Revenue	0
						Net Cost	150633

Avg Cost of Served Demand 7.458 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.539 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0
Total	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2334.6	18300.0	15965.4			3.2277	7536	0	7536		3.2277
ENGNiagara	1149.8	1170.5	20.7			2.6436	3040	0	3040		2.6436
ENGPNGTS	295.6	366.0	70.4			3.0875	913	0	913		3.0875
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6691.3	6698.7	7.4			2.4900	16661	0	16661		2.4900
Dracut 20	1821.1	7393.2	5572.1			4.6244	8421	0	8421		4.6244
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
DLiqSummer	21.0	21.0	0.0								
ENG3Dawn	926.1	2196.0	1269.9			3.1884	2953	0	2953		3.1884

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
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NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	1889.6	2502.9	613.3			3.1393	5932	0	5932	3.1393
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	1154.7	10980.0	9825.3			4.4720	5164	0	5164	4.4720
Engie Combo	103.9	103.9	0.0							
Total	20602.0									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	47.9	47.3	0	0.0	13	100	0.0	1	106	110	4
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3709	3744	35
ENGDominion	103	100	112.1	109.9	0	2.2	103	100	0.0	0	260	263	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1686	1703	17
ENGHON	246	100	239.2	239.2	0	0.0	246	100	0.0	0	603	611	8
Total	2530	98	2895.6	2868.1	0	26.9	2530	98	5.6	1	6483	6551	67

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPProd	2334.6	0.0	2334.6	7904.1	5569.5	0	5043	0	5043	2.1602
ENG TGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572
ENG TGPLong	6071.4	0.0	6071.4	8719.7	2648.3	0	0	0	0	0.0000
ENG TGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179
ENG TGPSshort	2815.2	23.9	2791.2	10290.1	7498.9	317	2688	0	3005	1.0673
TrCanCharges	915.6	10.5	905.0	1481.2	576.2	0	698	0	698	0.7619
IroqCharges	905.0	5.6	899.4	1481.2	581.8	80	640	0	720	0.7956
ENG PNGTS	295.6	3.0	292.6	366.0	73.4	1	312	0	312	1.0567
ENGLNG	47.3	0.0	47.3	8678.6	8631.3	0	0	0	0	0.0000
ENG Propane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000
ENG C3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000
Dracut 30	2355.3	4.9	2350.3	10980.0	8629.7	102	4388	0	4491	1.9066
UnionCharges	926.1	10.5	915.6	1481.2	565.6	0	140	0	140	0.1512
Dracut 20	620.5	1.3	619.2	7320.0	6700.8	27	1134	0	1161	1.8705
ENG TG PZ4	2229.2	62.1	2167.1	9150.0	6982.9	663	0	0	663	0.2976
Z4toTG PLH	3937.8	33.5	3904.3	7686.0	3781.7	444	0	0	444	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2753.5	9.1	2744.4	7904.1	5159.7	136	0	0	136	0.0495
Engie2CG	77.0	0.2	76.8	1064.0	987.2	3	0	0	3	0.0334
GranBrdgPL	5919.6	12.4	5907.2	54900.0	48992.8	257		0		
Repsol to101	4214.3	126.4	4087.9	37404.3	33316.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	26.9	0.0	26.9	50.0	23.1	27	0	0	27	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	1889.6	30.0	1859.6	2463.1	603.6	0	2481	0	2481	1.3129
PNGTS2RT101	1859.6	27.9	1831.7	2426.2	594.5	0		0		
Total		370.8				2182				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2189	JAN 19, 2029	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	203.49
Other Variable Cost	30	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	203.49
Total Variable	████	Total Variable	94	Total Variable	2189		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	152755
						Total Revenue	0
						Net Cost	152755

Avg Cost of Served Demand 7.462 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.568 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0
Total	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2324.1	18250.0	15925.9			3.2593	7575	0	7575	3.2593
ENGNiagara	1146.6	1167.3	20.6			2.6691	3061	0	3061	2.6691
ENGPNGTS	296.5	365.0	68.5			3.1175	924	0	924	3.1175
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6684.1	6690.4	6.3			2.5143	16806	0	16806	2.5143
Dracut 20	1952.6	7373.0	5420.4			4.7018	9181	0	9181	4.7018
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
DLiqSummer	21.0	21.0	0.0							
ENG3Dawn	931.8	2190.0	1258.2			3.2167	2997	0	2997	3.2167

Alternative Case
- Draw 0

Ventyx
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Report 1 (Continued) 11:24:28

NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	1932.1	2496.1	564.0			3.1641	6114	0	6114	3.1641
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	1269.2	10950.0	9680.8			4.6751	5934	0	5934	4.6751
Engie Combo	103.9	103.9	0.0							
Total	20876.3									

Storage Summary													
	Starting	%	Total	Total	NetInv	Inj	Final	%	With.	Diff in	Start	Final	Diff in
Storage	Balance	Full	Inj.	With.	Adj.	Fuel	Balance	Full	Fuel	Balance	Value	Value	Value
ENGLNG	13	100	46.6	47.2	0	0.0	12	95	0.0	-1	110	108	-2
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3744	3780	35
ENGDominion	103	100	110.3	108.1	0	2.2	103	100	0.0	0	263	265	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1703	1722	19
ENGHON	246	100	236.9	236.9	0	0.0	246	100	0.0	0	611	617	6
Total	2530	98	2890.1	2863.9	0	26.8	2530	98	5.6	-1	6551	6611	61

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2324.1	0.0	2324.1	7882.5	5558.4	0	5043	0	5043	2.1700
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENGTGPLong	6058.1	0.0	6058.1	8698.1	2640.0	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2811.0	23.9	2787.2	10262.0	7474.8	317	2688	0	3004	1.0687
TrCanCharges	921.2	10.6	910.6	1477.2	566.5	0	698	0	698	0.7572
IroqCharges	910.6	5.6	905.0	1477.2	572.2	81	640	0	721	0.7913
ENGPNGTS	296.5	3.0	293.5	365.0	71.5	1	312	0	312	1.0535
ENGLNG	47.2	0.0	47.2	8654.9	8607.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	2521.8	5.3	2516.5	10950.0	8433.5	109	4388	0	4498	1.7835
UnionCharges	931.8	10.6	921.2	1477.2	555.9	0	140	0	140	0.1503
Dracut 20	700.0	1.5	698.5	7300.0	6601.5	30	1134	0	1164	1.6629
ENGTGPZ4	2218.7	61.8	2156.9	9125.0	6968.1	660	0	0	660	0.2976
Z4toTGPLH	3934.7	33.4	3901.3	7665.0	3763.7	443	0	0	443	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2749.4	9.1	2740.3	7882.5	5142.2	136	0	0	136	0.0495
Engie2CG	78.3	0.2	78.1	1057.0	978.9	3	0	0	3	0.0334
GranBrdgPL	5960.8	12.5	5948.3	54750.0	48801.7	259		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	25.6	0.0	25.6	50.0	24.4	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	1932.1	30.7	1901.4	2456.4	555.0	0	2481	0	2481	1.2841
PNGTS2RT101	1901.4	28.5	1872.9	2419.6	546.7	0		0		
Total		372.5				2189				

Alternative Case
- Draw 0

Ventyx
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Report 1

NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2204	JAN 19, 2030	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	206.79
Other Variable Cost	30	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	206.79
Total Variable	████	Total Variable	94	Total Variable	2204		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	155175
						Total Revenue	0
						Net Cost	155175

Avg Cost of Served Demand 7.461 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.594 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0
Total	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2327.1	18250.0	15922.9			3.2918	7660	0	7660	3.2918
ENGNiagara	1146.6	1167.3	20.6			2.6958	3091	0	3091	2.6958
ENGPNGTS	324.7	365.0	40.3			3.4206	1111	0	1111	3.4206
ENGC3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6684.7	6690.4	5.7			2.5394	16975	0	16975	2.5394
Dracut 20	2051.7	7373.0	5321.3			4.7514	9749	0	9749	4.7514
ENGC3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
DLiqSummer	21.0	21.0	0.0							
ENGDAwn	942.2	2190.0	1247.8			3.2463	3059	0	3059	3.2463

Alternative Case
- Draw 0

Ventyx
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Report 1 (Continued) 11:24:28

NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	1980.5	2496.1	515.6			3.1906	6319	0	6319	3.1906
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	1409.2	10950.0	9540.8			4.8823	6880	0	6880	4.8823
Engie Combo	103.9	103.9	0.0							
Total	21206.0									

	Storage Summary												
	Starting	%	Total	Total	NetInv	Inj	Final	%	With.	Diff in	Start	Final	Diff in
Storage	Balance	Full	Inj.	With.	Adj.	Fuel	Balance	Full	Fuel	Balance	Value	Value	Value
ENGLNG	12	95	47.2	47.2	0	0.0	12	95	0.0	0	108	109	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3780	3818	38
ENGDominion	103	100	110.3	108.1	0	2.2	103	100	0.0	0	265	268	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1722	1737	16
ENGHON	246	100	236.9	236.9	0	0.0	246	100	0.0	0	617	623	5
Total	2530	98	2890.7	2863.9	0	26.8	2530	98	5.6	0	6611	6675	63

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPProd	2327.1	0.0	2327.1	7882.5	5555.5	0	5043	0	5043	2.1672
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENG TGPLong	6061.7	0.0	6061.7	8698.1	2636.4	0	0	0	0	0.0000
ENG TGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENG TGPShort	2811.0	23.9	2787.2	10262.0	7474.8	317	2688	0	3004	1.0687
TrCanCharges	931.5	10.7	920.8	1477.2	556.4	0	698	0	698	0.7489
IroqCharges	920.8	5.7	915.1	1477.2	562.1	82	640	0	721	0.7835
ENG PNGTS	324.7	3.2	321.5	365.0	43.5	1	312	0	312	0.9621
ENGLNG	47.2	0.0	47.2	8654.9	8607.7	0	0	0	0	0.0000
ENG Propane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	2689.2	5.6	2683.5	10950.0	8266.5	117	4388	0	4505	1.6753
UnionCharges	942.2	10.7	931.5	1477.2	545.7	0	140	0	140	0.1486
Dracut 20	771.8	1.6	770.1	7300.0	6529.9	34	1134	0	1167	1.5124
ENG TG PZ4	2221.7	61.9	2159.7	9125.0	6965.3	661	0	0	661	0.2976
Z4toTG PLH	3935.4	33.5	3901.9	7665.0	3763.1	443	0	0	443	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2749.4	9.1	2740.3	7882.5	5142.2	136	0	0	136	0.0495
Engie2CG	77.7	0.2	77.5	1057.0	979.5	3	0	0	3	0.0334
GranBrdgPL	6007.7	12.6	5995.1	54750.0	48754.9	261		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	26.2	0.0	26.2	50.0	23.8	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	1980.5	31.5	1949.0	2456.4	507.4	0	2481	0	2481	1.2527
PNGTS2RT101	1949.0	29.2	1919.8	2419.6	499.8	0		0		
Total		375.3				2204				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2219	JAN 19, 2031	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	210.02
Other Variable Cost	30	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	210.02
Total Variable	████	Total Variable	94	Total Variable	2219		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	157575
						Total Revenue	0
						Net Cost	157575

Avg Cost of Served Demand 7.465 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.624 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0
Total	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total		Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost		Cost	Net Cost
ENGUSGC	2332.0	18250.0	15918.0			3.3246	7753	0		7753	3.3246
ENGNiagara	1146.6	1167.3	20.6			2.7228	3122	0		3122	2.7228
ENGPNGTS	335.9	365.0	29.1			3.5642	1197	0		1197	3.5642
ENG3Winter	0.0	91.7	91.7			0.0000	0	0		0	0.0000
ENG-Z4	6685.3	6690.4	5.1			2.5648	17147	0		17147	2.5648
Dracut 20	2142.0	7373.0	5231.0			4.8466	10381	0		10381	4.8466
ENG3Summer	0.0	93.5	93.5			0.0000	0	0		0	0.0000
DLiqSummer	21.0	21.0	0.0								
ENG Dawn	951.7	2190.0	1238.3			3.2765	3118	0		3118	3.2765

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	2022.7	2496.1	473.3			3.2180	6509	0	6509	3.2180
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	1562.8	10950.0	9387.2			5.0270	7856	0	7856	5.0270
Engie Combo	103.9	103.9	0.0							
Total	21518.4									

	Storage Summary												
	Starting	%	Total	Total	NetInv	Inj	Final	%	With.	Diff in	Start	Final	Diff in
Storage	Balance	Full	Inj.	With.	Adj.	Fuel	Balance	Full	Fuel	Balance	Value	Value	Value
ENGLNG	12	95	47.2	47.2	0	0.0	12	95	0.0	0	109	110	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3818	3855	37
ENGDominion	103	100	110.0	107.9	0	2.1	103	100	0.0	0	268	271	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1737	1754	17
ENGHON	246	100	236.9	236.9	0	0.0	246	100	0.0	0	623	629	7
Total	2530	98	2890.4	2863.6	0	26.8	2530	98	5.6	0	6675	6738	64

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPProd	2332.0	0.0	2332.0	7882.5	5550.6	0	5043	0	5043	2.1627
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENG TGPLong	6067.3	0.0	6067.3	8698.1	2630.8	0	0	0	0	0.0000
ENG TGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENG TGPShort	2810.8	23.9	2786.9	10262.0	7475.1	317	2688	0	3004	1.0688
TrCanCharges	940.9	10.8	930.1	1477.2	547.1	0	698	0	698	0.7414
IroqCharges	930.1	5.8	924.3	1477.2	552.8	83	640	0	722	0.7766
ENG PNGTS	335.9	3.4	332.5	365.0	32.5	1	312	0	312	0.9302
ENGLNG	47.2	0.0	47.2	8654.9	8607.7	0	0	0	0	0.0000
ENG Propane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	2824.2	5.9	2818.3	10950.0	8131.7	123	4388	0	4511	1.5972
UnionCharges	951.7	10.8	940.9	1477.2	536.2	0	140	0	140	0.1471
Dracut 20	880.6	1.8	878.8	7300.0	6421.2	38	1134	0	1172	1.3308
ENG TG PZ4	2226.6	62.1	2164.5	9125.0	6960.5	663	0	0	663	0.2976
Z4toTG PLH	3936.3	33.5	3902.8	7665.0	3762.2	443	0	0	443	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2749.1	9.1	2740.0	7882.5	5142.5	136	0	0	136	0.0495
Engie2CG	77.7	0.2	77.5	1057.0	979.5	3	0	0	3	0.0334
GranBrdgPL	6048.6	12.7	6035.9	54750.0	48714.1	263		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	26.2	0.0	26.2	50.0	23.8	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	2022.7	32.2	1990.6	2456.4	465.8	0	2481	0	2481	1.2265
PNGTS2RT101	1990.6	29.9	1960.7	2419.6	458.8	0		0		
Total		377.7				2219				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 11:24:28

NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2241	JAN 19, 2032	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	212.97
Other Variable Cost	30	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	212.97
Total Variable	████	Total Variable	94	Total Variable	2241		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	160285
						Total Revenue	0
						Net Cost	160285

Avg Cost of Served Demand 7.463 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.651 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0
Total	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2348.9	18300.0	15951.1			3.3583	7888	0	7888		3.3583
ENGNiagara	1149.8	1170.5	20.7			2.7509	3163	0	3163		2.7509
ENGPNGTS	337.2	366.0	28.8			3.6077	1217	0	1217		3.6077
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6694.2	6698.7	4.5			2.5910	17345	0	17345		2.5910
Dracut 20	2199.5	7393.2	5193.7			4.9142	10809	0	10809		4.9142
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
DLiqSummer	21.0	21.0	0.0								
ENG Dawn	963.8	2196.0	1232.2			3.3083	3189	0	3189		3.3083

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	2071.6	2502.9	431.3			3.2469	6726	0	6726	3.2469
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	1785.8	10980.0	9194.2			5.2005	9287	0	9287	5.2005
Engie Combo	103.9	103.9	0.0							
Total	21890.0									

Storage Summary													
	Starting	%	Total	Total	NetInv	Inj	Final	%	With.	Diff in	Start	Final	Diff in
Storage	Balance	Full	Inj.	With.	Adj.	Fuel	Balance	Full	Fuel	Balance	Value	Value	Value
ENGLNG	12	95	47.3	47.3	0	0.0	12	95	0.0	0	110	111	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3855	3892	38
ENGDominion	103	100	110.6	108.4	0	2.2	103	100	0.0	0	271	273	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1754	1771	17
ENGHON	246	100	238.0	238.0	0	0.0	246	100	0.0	0	629	635	6
Total	2530	98	2892.3	2865.5	0	26.8	2530	98	5.6	0	6738	6803	64

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	2348.9	0.0	2348.9	7904.1	5555.3	0	5043	0	5043	2.1471
ENGTGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572
ENGTGPLong	6090.8	0.0	6090.8	8719.7	2628.9	0	0	0	0	0.0000
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179
ENGTGPShort	2812.5	23.9	2788.6	10290.1	7501.5	317	2688	0	3004	1.0682
TrCanCharges	952.8	11.0	941.9	1481.2	539.3	0	698	0	698	0.7321
IroqCharges	941.9	5.8	936.0	1481.2	545.2	84	640	0	723	0.7680
ENGPNGTS	337.2	3.4	333.9	366.0	32.1	1	312	0	312	0.9264
ENGLNG	47.3	0.0	47.3	8678.6	8631.3	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000
Dracut 30	2899.3	6.1	2893.2	10980.0	8086.8	126	4388	0	4514	1.5570
UnionCharges	963.8	11.0	952.8	1481.2	528.4	0	140	0	140	0.1453
Dracut 20	1085.9	2.3	1083.7	7320.0	6236.3	47	1134	0	1181	1.0874
ENGTGPZ4	2243.5	62.5	2180.9	9150.0	6969.1	668	0	0	668	0.2976
Z4toTGPLH	3943.3	33.5	3909.8	7686.0	3776.2	444	0	0	444	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2750.9	9.1	2741.8	7904.1	5162.4	136	0	0	136	0.0495
Engie2CG	77.6	0.2	77.4	1064.0	986.6	3	0	0	3	0.0334
GranBrdgPL	6096.0	12.8	6083.2	54900.0	48816.8	265		0		
Repsol to101	4214.3	126.4	4087.9	37404.3	33316.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	26.3	0.0	26.3	50.0	23.7	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	2071.6	32.9	2038.7	2463.1	424.4	0	2481	0	2481	1.1976
PNGTS2RT101	2038.7	30.6	2008.1	2426.2	418.1	0		0		
Total		380.8				2241				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 11:24:28

NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2246	JAN 19, 2033	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	215.84
Other Variable Cost	31	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	215.84
Total Variable	████	Total Variable	94	Total Variable	2246		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	162218
						Total Revenue	0
						Net Cost	162218

Avg Cost of Served Demand 7.483 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.687 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0	
Total	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Comm	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2337.9	18250.0	15912.1			Cost	7928	0	7928	3.3912
ENGNiagara	1146.6	1167.3	20.6				3185	0	3185	2.7775
ENGPNGTS	336.9	365.0	28.1				1224	0	1224	3.6341
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6686.5	6690.4	3.9			2.6164	17494	0	17494	2.6164
Dracut 20	2196.6	7373.0	5176.4			4.9870	10954	0	10954	4.9870
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	967.1	2190.0	1222.9			3.3386	3229	0	3229	3.3386

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
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NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	2103.0	2496.1	393.1			3.2746	6886	0	6886	3.2746
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	1978.7	10950.0	8971.3			5.3023	10492	0	10492	5.3023
Engie Combo	103.9	103.9	0.0							
Total	22092.5									

	Storage Summary												
	Starting	%	Total	Total	NetInv	Inj	Final	%	With.	Diff in	Start	Final	Diff in
Storage	Balance	Full	Inj.	With.	Adj.	Fuel	Balance	Full	Fuel	Balance	Value	Value	Value
ENGLNG	12	95	47.2	47.2	0	0.0	12	95	0.0	0	111	112	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3892	3932	39
ENGDominion	103	100	110.0	107.9	0	2.1	103	100	0.0	0	273	275	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1771	1788	17
ENGHON	246	100	236.9	236.9	0	0.0	246	100	0.0	0	635	641	6
Total	2530	98	2890.4	2863.6	0	26.8	2530	98	5.6	0	6803	6868	65

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	2337.9	0.0	2337.9	7882.5	5544.6	0	5043	0	5043	2.1572
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENGTGPLong	6074.2	0.0	6074.2	8698.1	2623.9	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2810.8	23.9	2786.9	10262.0	7475.1	317	2688	0	3004	1.0688
TrCanCharges	956.1	11.0	945.1	1477.2	532.1	0	698	0	698	0.7296
IroqCharges	945.1	5.9	939.2	1477.2	537.9	84	640	0	724	0.7657
ENGPNGTS	336.9	3.4	333.5	365.0	31.5	1	312	0	312	0.9273
ENGLNG	47.2	0.0	47.2	8654.9	8607.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	3008.8	6.3	3002.5	10950.0	7947.5	131	4388	0	4519	1.5019
UnionCharges	967.1	11.0	956.1	1477.2	521.1	0	140	0	140	0.1448
Dracut 20	1166.4	2.4	1164.0	7300.0	6136.0	51	1134	0	1184	1.0154
ENGTGPZ4	2232.5	62.2	2170.3	9125.0	6954.7	664	0	0	664	0.2976
Z4toTGPLH	3937.4	33.5	3903.9	7665.0	3761.1	443	0	0	443	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2749.1	9.1	2740.0	7882.5	5142.5	136	0	0	136	0.0495
Engie2CG	77.7	0.2	77.5	1057.0	979.5	3	0	0	3	0.0334
GranBrdgPL	6126.4	12.9	6113.5	54750.0	48636.5	266		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	26.2	0.0	26.2	50.0	23.8	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	2103.0	33.4	2069.5	2456.4	386.9	0	2481	0	2481	1.1797
PNGTS2RT101	2069.5	31.0	2038.5	2419.6	381.1	0		0		
Total		381.9				2246				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 11:24:28

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2260	JAN 19, 2034	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	218.83
Other Variable Cost	31	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	218.83
Total Variable	████	Total Variable	94	Total Variable	2260		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	164673
						Total Revenue	0
						Net Cost	164673

Avg Cost of Served Demand 7.499 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.724 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0	
Total	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0	

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2340.5	18250.0	15909.5			3.4250	8016	0	8016		3.4250
ENGNiagara	1146.6	1167.3	20.6			2.8053	3217	0	3217		2.8053
ENGPNGTS	337.9	365.0	27.1			3.6732	1241	0	1241		3.6732
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6687.0	6690.4	3.4			2.6425	17671	0	17671		2.6425
Dracut 20	2326.7	7373.0	5046.3			5.0575	11767	0	11767		5.0575
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
DLiqSummer	21.0	21.0	0.0								
ENG Dawn	974.9	2190.0	1215.1			3.3701	3285	0	3285		3.3701

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	2137.9	2496.1	358.2			3.3040	7064	0	7064	3.3040
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	2086.8	10950.0	8863.2			5.4694	11413	0	11413	5.4694
Engie Combo	103.9	103.9	0.0							
Total	22377.4									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	47.8	47.2	0	0.0	13	100	0.0	1	112	116	4
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3932	3969	37
ENGDominion	103	100	109.1	107.0	0	2.1	103	100	0.0	0	275	279	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1788	1806	19
ENGHON	246	100	235.7	235.7	0	0.0	246	100	0.0	0	641	647	6
Total	2530	98	2889.0	2861.5	0	26.8	2530	98	5.6	1	6868	6937	69

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPProd	2340.5	0.0	2340.5	7882.5	5542.1	0	5043	0	5043	2.1548
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENG TGPLong	6079.3	0.0	6079.3	8698.1	2618.8	0	0	0	0	0.0000
ENG TGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENG TGPShort	2808.7	23.9	2784.8	10262.0	7477.2	316	2688	0	3004	1.0695
TrCanCharges	963.8	11.1	952.7	1477.2	524.5	0	698	0	698	0.7238
IroqCharges	952.7	5.9	946.8	1477.2	530.4	85	640	0	724	0.7603
ENG PNGTS	337.9	3.4	334.6	365.0	30.4	1	312	0	312	0.9245
ENGLNG	47.2	0.0	47.2	8654.9	8607.7	0	0	0	0	0.0000
ENG Propane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	3075.2	6.5	3068.8	10950.0	7881.2	133	4388	0	4522	1.4704
UnionCharges	974.9	11.1	963.8	1477.2	513.4	0	140	0	140	0.1436
Dracut 20	1338.2	2.8	1335.4	7300.0	5964.6	58	1134	0	1192	0.8906
ENG TG PZ4	2235.1	62.3	2172.8	9125.0	6952.2	665	0	0	665	0.2976
Z4toTGPLH	3940.0	33.5	3906.5	7665.0	3758.5	444	0	0	444	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2747.0	9.1	2737.9	7882.5	5144.6	136	0	0	136	0.0495
Engie2CG	77.1	0.2	76.8	1057.0	980.2	3	0	0	3	0.0334
GranBrdgPL	6160.2	12.9	6147.3	54750.0	48602.7	267		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	26.8	0.0	26.8	50.0	23.2	27	0	0	27	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	2137.9	34.0	2103.9	2456.4	352.5	0	2481	0	2481	1.1605
PNGTS2RT101	2103.9	31.6	2072.3	2419.6	347.3	0		0		
Total		383.9				2260				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2271	JAN 19, 2035	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	221.63
Other Variable Cost	31	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	221.63
Total Variable	████	Total Variable	94	Total Variable	2271		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	167079
						Total Revenue	0
						Net Cost	167079

Avg Cost of Served Demand 7.517 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.762 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0
Total	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2341.8	18250.0	15908.2			3.4592	8101	0	8101		3.4592
ENGNiagara	1146.6	1167.3	20.6			2.8333	3249	0	3249		2.8333
ENGPNGTS	340.9	365.0	24.1			3.7237	1270	0	1270		3.7237
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6687.5	6690.4	2.9			2.6690	17849	0	17849		2.6690
Dracut 20	2412.7	7373.0	4960.3			5.1677	12468	0	12468		5.1677
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
DLiqSummer	21.0	21.0	0.0								
ENG Dawn	982.6	2190.0	1207.4			3.4019	3343	0	3343		3.4019

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	2173.5	2496.1	322.6			3.3337	7246	0	7246	3.3337
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	2220.0	10950.0	8730.0			5.5795	12386	0	12386	5.5795
Engie Combo	103.9	103.9	0.0							
Total	22644.9									

	Storage Summary												
	Starting	%	Total	Total	NetInv	Inj	Final	%	With.	Diff in	Start	Final	Diff in
Storage	Balance	Full	Inj.	With.	Adj.	Fuel	Balance	Full	Fuel	Balance	Value	Value	Value
ENGLNG	13	100	46.6	47.2	0	0.0	12	95	0.0	-1	116	114	-2
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3969	4007	39
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	279	282	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1806	1824	17
ENGHON	246	100	235.7	235.7	0	0.0	246	100	0.0	0	647	654	6
Total	2530	98	2887.4	2861.2	0	26.8	2530	98	5.6	-1	6937	7000	63

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2341.8	0.0	2341.8	7882.5	5540.7	0	5043	0	5043	2.1535
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENGTGPLong	6081.4	0.0	6081.4	8698.1	2616.7	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2808.4	23.9	2784.5	10262.0	7477.4	316	2688	0	3004	1.0696
TrCanCharges	971.4	11.2	960.2	1477.2	516.9	0	698	0	698	0.7181
IroqCharges	960.2	6.0	954.3	1477.2	522.9	85	640	0	725	0.7550
ENGPNGTS	340.9	3.4	337.5	365.0	27.5	1	312	0	312	0.9163
ENGLNG	47.2	0.0	47.2	8654.9	8607.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	3165.1	6.6	3158.5	10950.0	7791.5	137	4388	0	4526	1.4299
UnionCharges	982.6	11.2	971.4	1477.2	505.8	0	140	0	140	0.1425
Dracut 20	1467.6	3.1	1464.5	7300.0	5835.5	64	1134	0	1197	0.8159
ENGTGPZ4	2236.4	62.3	2174.1	9125.0	6950.9	665	0	0	665	0.2976
Z4toTGPLH	3940.8	33.5	3907.3	7665.0	3757.7	444	0	0	444	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2746.7	9.1	2737.6	7882.5	5144.9	136	0	0	136	0.0495
Engie2CG	78.3	0.2	78.1	1057.0	978.9	3	0	0	3	0.0334
GranBrdgPL	6194.8	13.0	6181.8	54750.0	48568.2	269		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	25.6	0.0	25.6	50.0	24.4	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	2173.5	34.6	2139.0	2456.4	317.4	0	2481	0	2481	1.1414
PNGTS2RT101	2139.0	32.1	2106.9	2419.6	312.7	0		0		
Total		385.8				2271				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 11:24:28

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2291	JAN 19, 2036	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	224.15
Other Variable Cost	32	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	224.15
Total Variable	████	Total Variable	94	Total Variable	2291		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	169915
						Total Revenue	0
						Net Cost	169915

Avg Cost of Served Demand 7.530 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.799 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0	
Total	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2356.9	18300.0	15943.1			3.4942	8236	0	8236	3.4942
ENGNiagara	1149.8	1170.5	20.7			2.8626	3291	0	3291	2.8626
ENGPNGTS	353.0	366.0	13.0			3.8631	1364	0	1364	3.8631
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6696.4	6698.7	2.3			2.6962	18055	0	18055	2.6962
Dracut 20	2469.2	7393.2	4924.0			5.2847	13049	0	13049	5.2847
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	994.4	2196.0	1201.6			3.4351	3416	0	3416	3.4351

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	2216.2	2502.9	286.7			3.3648	7457	0	7457	3.3648
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	2410.1	10980.0	8569.9			5.6842	13699	0	13699	5.6842
Engie Combo	103.9	103.9	0.0							
Total	22985.2									

Storage Summary													
	Starting	%	Total	Total	NetInv	Inj	Final	%	With.	Diff in	Start	Final	Diff in
Storage	Balance	Full	Inj.	With.	Adj.	Fuel	Balance	Full	Fuel	Balance	Value	Value	Value
ENGLNG	12	95	47.3	47.3	0	0.0	12	95	0.0	0	114	115	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	4007	4047	40
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	282	284	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1824	1841	17
ENGHON	246	100	235.7	235.7	0	0.0	246	100	0.0	0	654	661	7
Total	2530	98	2888.2	2861.3	0	26.8	2530	98	5.6	0	7000	7068	67

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	2356.9	0.0	2356.9	7904.1	5547.2	0	5043	0	5043	2.1397
ENGTGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572
ENGTGPLong	6104.9	0.0	6104.9	8719.7	2614.8	0	0	0	0	0.0000
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179
ENGTGPShort	2808.4	23.9	2784.5	10290.1	7505.5	316	2688	0	3004	1.0696
TrCanCharges	983.1	11.3	971.8	1481.2	509.4	0	698	0	698	0.7096
IroqCharges	971.8	6.0	965.7	1481.2	515.5	86	640	0	726	0.7471
ENGPNGTS	353.0	3.5	349.5	366.0	16.5	1	312	0	312	0.8851
ENGLNG	47.3	0.0	47.3	8678.6	8631.3	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000
Dracut 30	3281.5	6.9	3274.6	10980.0	7705.4	142	4388	0	4531	1.3807
UnionCharges	994.4	11.3	983.1	1481.2	498.1	0	140	0	140	0.1408
Dracut 20	1597.8	3.4	1594.4	7320.0	5725.6	69	1134	0	1203	0.7530
ENGTGPZ4	2251.5	62.8	2188.8	9150.0	6961.2	670	0	0	670	0.2976
Z4toTGPLH	3949.7	33.6	3916.1	7686.0	3769.9	445	0	0	445	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2746.7	9.1	2737.6	7904.1	5166.5	136	0	0	136	0.0495
Engie2CG	77.6	0.2	77.4	1064.0	986.6	3	0	0	3	0.0334
GranBrdgPL	6236.2	13.1	6223.1	54900.0	48676.9	271		0		
Repsol to101	4214.3	126.4	4087.9	37404.3	33316.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	26.3	0.0	26.3	50.0	23.7	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	2216.2	35.2	2181.0	2463.1	282.1	0	2481	0	2481	1.1194
PNGTS2RT101	2181.0	32.7	2148.3	2426.2	277.9	0		0		
Total		388.7				2291				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 11:24:28

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2296	JAN 19, 2037	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	226.86
Other Variable Cost	32	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	226.86
Total Variable	████	Total Variable	94	Total Variable	2296		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	171973
						Total Revenue	0
						Net Cost	171973

Avg Cost of Served Demand 7.562 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.842 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0	
Total	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2345.3	18250.0	15904.7			3.5284	8275	0	8275	3.5284
ENGNiagara	1146.6	1167.3	20.6			2.8903	3314	0	3314	2.8903
ENGPNGTS	352.4	365.0	12.6			3.8966	1373	0	1373	3.8966
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6688.6	6690.4	1.8			2.7226	18210	0	18210	2.7226
Dracut 20	2500.3	7373.0	4872.7			5.3706	13428	0	13428	5.3706
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
DLiqSummer	21.0	21.0	0.0							
ENG3Dawn	998.4	2190.0	1191.6			3.4664	3461	0	3461	3.4664

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	2242.5	2496.1	253.6			3.3946	7612	0	7612	3.3946
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	2552.1	10950.0	8397.9			5.7962	14792	0	14792	5.7962
Engie Combo	103.9	103.9	0.0							
Total	23165.3									

	Storage Summary												
	Starting	%	Total	Total	NetInv	Inj	Final	%	With.	Diff in	Start	Final	Diff in
Storage	Balance	Full	Inj.	With.	Adj.	Fuel	Balance	Full	Fuel	Balance	Value	Value	Value
ENGLNG	12	95	47.8	47.2	0	0.0	13	100	0.0	1	115	119	4
ENGFSMA	1498	96	1775.7	1756.7	0	19.0	1498	96	0.0	0	4047	4085	38
ENGDominion	103	100	109.1	107.0	0	2.1	103	100	0.0	0	284	288	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1841	1859	19
ENGHON	246	100	236.3	236.3	0	0.0	246	100	0.0	0	661	667	7
Total	2530	98	2889.7	2862.3	0	26.8	2530	98	5.6	1	7068	7139	72

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2345.3	0.0	2345.3	7882.5	5537.3	0	5043	0	5043	2.1504
ENGTGP2Stg	108.3	2.2	106.1	7882.5	7776.5	28	0	0	28	0.2572
ENGTGPLong	6084.8	0.0	6084.8	8698.1	2613.3	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2809.4	23.9	2785.6	10262.0	7476.4	316	2688	0	3004	1.0693
TrCanCharges	987.0	11.4	975.7	1477.2	501.5	0	698	0	698	0.7068
IroqCharges	975.7	6.0	969.6	1477.2	507.5	87	640	0	726	0.7445
ENGPNGTS	352.4	3.5	348.9	365.0	16.1	1	312	0	312	0.8867
ENGLNG	47.2	0.0	47.2	8654.9	8607.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	3388.2	7.1	3381.1	10950.0	7568.9	147	4388	0	4535	1.3386
UnionCharges	998.4	11.4	987.0	1477.2	490.1	0	140	0	140	0.1402
Dracut 20	1664.2	3.5	1660.7	7300.0	5639.3	72	1134	0	1206	0.7246
ENGTGPZ4	2237.0	62.3	2174.6	9125.0	6950.4	666	0	0	666	0.2976
Z4toTGPLH	3943.7	33.5	3910.1	7665.0	3754.9	444	0	0	444	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2744.9	9.1	2735.9	7882.5	5146.7	136	0	0	136	0.0495
Engie2CG	77.1	0.2	76.8	1057.0	980.2	3	0	0	3	0.0334
GranBrdgPL	6261.7	13.1	6248.5	54750.0	48501.5	272		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	26.8	0.0	26.8	50.0	23.2	27	0	0	27	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	2242.5	35.7	2206.9	2456.4	249.5	0	2481	0	2481	1.1063
PNGTS2RT101	2206.9	33.1	2173.8	2419.6	245.8	0		0		
Total		389.6				2296				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2312	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	229.59
Other Variable Cost	32	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable	████	Total Variable	94	Total Variable	2312		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	174545
						Total Revenue	0
						Net Cost	174545

Avg Cost of Served Demand 7.586 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.889 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0
Total	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total		Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Net Cost	Net Cost	
ENGUSGC	2359.9	18250.0	15890.1			3.5627	8408	0	8408	3.5627	
ENGNiagara	1146.6	1167.3	20.6			2.9192	3347	0	3347	2.9192	
ENGPNGTS	353.1	365.0	11.9			3.9407	1391	0	1391	3.9407	
ENG C3 Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000	
ENG-Z4	6689.0	6690.4	1.4			2.7498	18394	0	18394	2.7498	
Dracut 20	2641.7	7373.0	4731.3			5.4490	14394	0	14394	5.4490	
ENG C3 Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000	
D Liq Summer	21.0	21.0	0.0								
ENG Dawn	1007.0	2190.0	1183.0			3.4989	3523	0	3523	3.4989	

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	2258.6	2496.1	237.5			3.4271	7740	0	7740	3.4271
Repsol 40	4214.3	4214.3	0.0							
Dracut 30	2619.9	10950.0	8330.1			5.9771	15659	0	15659	5.9771
Engie Combo	103.9	103.9	0.0							
Total	23414.9									

	Storage Summary												
	Starting	%	Total	Total	NetInv	Inj	Final	%	With.	Diff in	Start	Final	Diff in
Storage	Balance	Full	Inj.	With.	Adj.	Fuel	Balance	Full	Fuel	Balance	Value	Value	Value
ENGLNG	13	100	48.2	48.8	0	0.0	12	95	0.0	-1	119	117	-2
ENGFSMA	1498	96	1759.8	1756.5	0	18.8	1482	95	0.0	-16	4085	4084	-1
ENGDominion	103	100	109.1	107.0	0	2.1	103	100	0.0	0	288	290	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1859	1877	18
ENGHON	246	100	234.0	234.0	0	0.0	246	100	0.0	0	667	674	6
Total	2530	98	2872.0	2861.5	0	26.7	2514	97	5.6	-16	7139	7162	23

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	2359.9	0.0	2359.9	7882.5	5522.6	0	5043	0	5043	2.1370
ENGTGP2Stg	108.3	2.2	106.1	7882.5	7776.5	28	0	0	28	0.2572
ENGTGPLong	6117.5	0.0	6117.5	8698.1	2580.6	0	0	0	0	0.0000
ENGTPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2807.1	23.9	2783.2	10262.0	7478.7	316	2688	0	3004	1.0701
TrCanCharges	995.5	11.4	984.0	1477.2	493.1	0	698	0	698	0.7007
IroqCharges	984.0	6.1	977.9	1477.2	499.2	87	640	0	727	0.7389
ENGPNGTS	353.1	3.5	349.5	365.0	15.5	1	312	0	312	0.8849
ENGLNG	48.8	0.0	48.8	8654.9	8606.1	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	3498.0	7.3	3490.7	10950.0	7459.3	152	4388	0	4540	1.2979
UnionCharges	1007.0	11.5	995.5	1477.2	481.7	0	140	0	140	0.1390
Dracut 20	1763.5	3.7	1759.8	7300.0	5540.2	77	1134	0	1210	0.6863
ENGTGPZ4	2251.7	62.8	2188.9	9125.0	6936.1	670	0	0	670	0.2976
Z4toTGPLH	3962.3	33.7	3928.6	7665.0	3736.4	446	0	0	446	0.1126

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 08-Dec-2017
Report 1 (Continued) 11:24:28

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2726.7	9.0	2717.7	7882.5	5164.8	135	0	0	135	0.0495
Engie2CG	76.7	0.2	76.5	1057.0	980.5	3	0	0	3	0.0334
GranBrdgPL	6277.2	13.2	6264.1	54750.0	48485.9	272		0		
Repsol to101	4214.3	126.4	4087.9	37302.1	33214.2	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	27.2	0.0	27.2	50.0	22.8	27	0	0	27	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	2258.6	35.9	2222.7	2456.4	233.7	0	2481	0	2481	1.0985
PNGTS2RT101	2222.7	33.3	2189.3	2419.6	230.2	0		0		
Total		391.3				2312				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z 08-Dec-2017
Report 1z

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	██████	Injection Cost	1001	Transportation Cost	46055	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	966	Other Variable Cost	0	System Served	229.59
Other Variable Cost	1866	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable	██████	Total Variable	1967	Total Variable	46055		
Demand/Reservation Co	██████	Demand Cost	██████	Demand Cost	██████		
Other Fixed Cost	14684	Other Fixed Cost	20435	Other Fixed Cost	0		
Total Fixed	██████	Total Fixed	██████	Total Fixed	██████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	██████	Net Storage Cost	██████	Net Trans Cost	██████	Total Gas Cost	2976108
						Total Revenue	0
						Net Cost	2976108

Avg Cost of Served Demand 7.155 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.359 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0
Total	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	48916.1	383500.0	334583.9			3.1831	155704	0	155704	3.1831
ENGNIagara	24083.2	24528.7	445.5			2.5610	61676	0	61676	2.5610
ENGPNGTS	6258.8	7670.0	1411.2			3.4010	21286	0	21286	3.4010
ENG3Winter	367.0	1926.6	1559.6			15.0000	5505	0	5505	15.0000
ENG-Z4	140170.2	140539.9	369.7			2.4167	338753	0	338753	2.4167
DLiqWinter	1000.0	1250.0	250.0							
Dracut 20	42066.0	154934.0	112868.0			5.2293	219976	0	219976	5.2293
ENG3Summer	276.4	1962.6	1686.2			10.0000	2764	0	2764	10.0000
DLiqSummer	441.0	441.0	0.0							

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z 08-Dec-2017
Report 1z (Continued) 11:24:28

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	18648.3	46020.0	27371.7			3.1921	59527	0	59527	3.1921
DAWN	35693.1	46559.2	10866.1			3.1589	112751	0	112751	3.1589
Repsol 40	71643.7	71643.7	0.0							
Dracut 30	29538.1	230100.0	200561.9			5.5443	163768	0	163768	5.5443
Engie Combo	4586.6	4812.0	225.4							
Total	423688.4									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	2083.4	2084.1	0	0.0	12	95	0.0	-1	126	117	-9
ENGPropane	77	100	643.4	720.1	0	0.0	0	0	0.0	-77	953	120	-833
ENGFSMA	1482	95	37275.5	36876.7	0	398.8	1482	95	0.0	0	2573	4084	1511
ENGDomion	103	100	2323.5	2278.1	0	45.3	103	100	0.0	0	178	290	112
ENGNGF	671	100	15097.8	14978.6	0	119.3	671	100	118.3	0	1164	1877	713
ENGHON	246	100	4971.7	4971.7	0	0.0	246	100	0.0	0	427	674	246
Total	2591	97	62395.3	61909.3	0	563.4	2514	94	118.3	-77	5422	7162	1740

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	48916.1	0.0	48916.1	165641.3	116725.2	0	105908	0	105908	2.1651
ENGTGP2Stg	2134.8	43.6	2091.1	165641.3	163550.2	549	0	0	549	0.2572
ENGTGPLong	127179.2	0.0	127179.2	182768.0	55588.7	0	0	0	0	0.0000
ENGTGPBND	24083.2	149.3	23933.8	23945.7	11.9	2056	5614	0	7670	0.3185
ENGTGPShort	58986.7	501.4	58485.4	215642.1	157156.7	6644	56441	0	63085	1.0695
TrCanCharges	18435.9	212.0	18223.9	31040.5	12816.6	0	14649	0	14649	0.7946
IroqCharges	18223.9	113.0	18110.9	31040.5	12929.6	1617	13435	0	15052	0.8259
ENGPNGTS	6258.8	62.6	6196.2	7670.0	1473.8	11	6548	0	6559	1.0480
ENGLNG	2084.1	0.0	2084.1	181871.0	179787.0	0	0	0	0	0.0000
ENGPropane	720.1	0.0	720.1	133210.0	132489.9	0	0	0	0	0.0000
ENG3Truck	643.4	0.0	643.4	92040.0	91396.6	643	0	0	643	1.0000
Dracut 30	55825.0	117.2	55707.8	230100.0	174392.2	2423	92155	0	94578	1.6942
UnionCharges	18648.3	212.4	18435.9	31040.5	12604.6	0	2940	0	2940	0.1577
Dracut 20	18037.9	37.9	18000.0	153400.0	135400.0	783	23807	0	24590	1.3633

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z 08-Dec-2017
Report 1z (Continued) 11:24:28

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	46781.4	1303.8	45477.5	191750.0	146272.5	13921	0	0	13921	0.2976
Z4toTGPLH	82402.1	700.4	81701.7	161070.0	79368.3	9281	0	0	9281	0.1126
Z4toStg	57768.0	190.6	57577.4	165641.3	108063.9	2862	0	0	2862	0.0495
Engie2CG	3944.1	11.0	3933.1	22232.0	18298.9	132	0	0	132	0.0334
GranBrdgPL	101833.8	213.9	101620.0	931350.0	829730.0	4420		0		
Repsol to101	71643.7	2149.3	69494.4	783855.8	714361.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	1190767.5	1190767.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	61360.0	61360.0	0	0	0	0	0.0000
Engie2ENGLNG	642.4	0.0	642.4	1050.0	407.6	642	0	0	642	1.0000
Dawn2Dracut	2330.8	72.0	2258.7	4098.3	1839.5	70		0		
DAWNTPCL	33362.4	530.5	32831.9	41785.8	8953.9	0	42177	0	42177	1.2642
PNGTS2RT101	32831.9	492.5	32339.4	41159.1	8819.6	0		0		
Total		7113.5				46055				

Alternative Case
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1X 08-Dec-2017
Report 1X 11:24:28

RESOURCE MIX RESULTS

Units: MDT

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	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Supplies	DAWN	NOV 2021	OCT 2038	0.00	150.00	6.84
	Repsol 40	NOV 2021	OCT 2038	0.00	150.00	105.36
	Engie Combo	NOV 2022	OCT 2038	0.00	7.00	1.15
	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Segments	Repsol to101	NOV 2017	OCT 2038	0.00	150.00	102.20
	Repsol2Drac	NOV 2017	OCT 2038	0.00	50.00	0.00
	Dawn2Dracut	NOV 2021	OCT 2038	0.00	150.00	0.00
	DAWNTCPL	NOV 2021	OCT 2038	0.00	150.00	6.73
	PNGTS2RT101	NOV 2021	OCT 2038	0.00	150.00	6.63

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Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2133	JAN 19, 2018	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	156.82
Other Variable Cost	339	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	156.82
Total Variable	████	Total Variable	94	Total Variable	2133		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85257
						Total Revenue	0
						Net Cost	85257

Avg Cost of Served Demand 5.453 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.167 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0	
Total	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2331.2	18250.0	15918.8			3.0161	7031	0	7031	3.0161
ENGNIagara	1146.6	1167.3	20.6			2.3679	2715	0	2715	2.3679
ENGPNGTS	156.0	365.0	209.0			4.1356	645	0	645	4.1356
ENGC3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6592.1	6690.4	98.3			2.3200	15294	0	15294	2.3200
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2695.4	7373.0	4677.6			6.5205	17575	0	17575	6.5205
ENGC3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1 (Continued)

NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	754.8	2190.0	1435.2			3.1759	2397	0	2397	3.1759
DAWN	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1113.4	10950.0	9836.6			7.2362	8057	0	8057	7.2362
Engie Combo	630.0	630.0	0.0							
Total	15851.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	321.0	321.6	0	0.0	12	95	0.0	-1	126	103	-23
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	953	1043	90
ENGFSMA	1482	95	1774.0	1739.4	0	19.0	1498	96	0.0	16	2573	3511	938
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	178	243	65
ENGNGF	671	100	725.3	719.6	0	5.7	671	100	5.7	0	1164	1599	435
ENGHON	246	100	236.9	236.9	0	0.0	246	100	0.0	0	427	552	124
Total	2591	97	3326.8	3285.0	0	26.8	2606	98	5.7	15	5422	7050	1629

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2331.2	0.0	2331.2	7882.5	5551.4	0	5043	0	5043	2.1634	
ENGTGP2Stg	107.8	2.2	105.6	7882.5	7777.0	28	0	0	28	0.2572	
ENGTGPLong	5972.4	0.0	5972.4	8698.1	2725.7	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2796.9	23.8	2773.1	10262.0	7488.9	315	2688	0	3003	1.0736	
TrCanCharges	746.2	8.6	737.6	1477.2	739.6	0	698	0	698	0.9349	
IroqCharges	737.6	4.6	733.0	1477.2	744.1	65	640	0	705	0.9561	
ENGPNGTS	156.0	1.6	154.4	365.0	210.6	0	312	0	312	2.0004	
ENGLNG	321.6	0.0	321.6	8654.9	8333.2	0	0	0	0	0.0000	
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000	
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000	
Dracut 30	3131.8	6.6	3125.3	10950.0	7824.7	136	4388	0	4524	1.4446	
UnionCharges	754.8	8.6	746.2	1477.2	731.0	0	140	0	140	0.1855	
Dracut 20	676.9	1.4	675.5	7300.0	6624.5	29	1134	0	1163	1.7182	

Alternative Case Sensitivity

- Draw 0

Ventyx

SENDOUT® Version 14.1.1 REP 1 15-Nov-2017

Report 1 (Continued) 09:40:37

NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2223.4	62.0	2161.4	9125.0	6963.6	662	0	0	662	0.2976
Z4toTGPLH	3843.6	32.7	3810.9	7665.0	3854.1	433	0	0	433	0.1126
Z4toStg	2748.5	9.1	2739.4	7882.5	5143.1	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		169.7				2133	15309		17442	0.6089

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2164	JAN 19, 2019	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	160.99
Other Variable Cost	339	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	160.99
Total Variable	████	Total Variable	94	Total Variable	2164		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85646
						Total Revenue	0
						Net Cost	85646

Avg Cost of Served Demand 5.328 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.004 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0	
Total	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2334.7	18250.0	15915.3			2.9106	6795	0	6795	2.9106
ENGNiagara	1146.6	1167.3	20.6			2.1649	2482	0	2482	2.1649
ENGPNGTS	224.4	365.0	140.6			3.5436	795	0	795	3.5436
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6620.4	6690.4	70.0			2.1145	13999	0	13999	2.1145
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2633.5	7373.0	4739.5			6.3989	16852	0	16852	6.3989
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	766.8	2190.0	1423.2			2.9503	2262	0	2262	2.9503
DAWN	344.3	651.2	306.9			2.9377	1011	0	1011	2.9377
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1157.6	10950.0	9792.4			7.6053	8804	0	8804	7.6053
Engie Combo	630.0	630.0	0.0							
Total	16290.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	103	99	-4
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3511	3142	-369
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	243	222	-21
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1599	1432	-167
ENGHON	246	100	235.7	235.7	0	0.0	246	100	0.0	0	552	519	-33
Total	2606	98	3323.7	3296.8	0	26.8	2606	98	5.6	0	7050	6456	-594

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2334.7	0.0	2334.7	7882.5	5547.9	0	5043	0	5043	2.1602
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6007.0	0.0	6007.0	8698.1	2691.1	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2809.3	23.9	2785.5	10262.0	7476.5	316	2688	0	3004	1.0693
TrCanCharges	758.1	8.7	749.4	1477.2	727.8	0	698	0	698	0.9202
IroqCharges	749.4	4.6	744.7	1477.2	732.4	67	640	0	706	0.9425
ENGPNGTS	224.4	2.2	222.2	365.0	142.8	0	312	0	312	1.3913
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3490.8	7.3	3483.5	10950.0	7466.5	152	4388	0	4540	1.3005
UnionCharges	766.8	8.7	758.1	1477.2	719.1	0	140	0	140	0.1826
Dracut 20	634.0	1.3	632.7	7300.0	6667.3	28	1134	0	1161	1.8315

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2228.3	62.1	2166.2	9125.0	6958.8	663	0	0	663	0.2976
Z4toTGPLH	3873.7	32.9	3840.8	7665.0	3824.2	436	0	0	436	0.1126
Z4toStg	2746.7	9.1	2737.6	7882.5	5144.9	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	344.3	10.6	333.7	651.2	317.5	10		0		
DAWNTPCL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		182.5				2164				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2199	JAN 19, 2020	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	164.64
Other Variable Cost	340	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	164.64
Total Variable	████	Total Variable	94	Total Variable	2199		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	86721
						Total Revenue	0
						Net Cost	86721

Avg Cost of Served Demand 5.232 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.839 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0
Total	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2324.1	18300.0	15975.9			2.7954	6497	0	6497	2.7954
ENGNiagara	1144.7	1170.5	25.8			2.1355	2444	0	2444	2.1355
ENGPNGTS	277.9	366.0	88.1			3.2830	912	0	912	3.2830
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6657.9	6698.7	40.8			1.9745	13146	0	13146	1.9745
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2596.8	7393.2	4796.4			6.4112	16648	0	16648	6.4112
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	756.8	2196.0	1439.2			2.8586	2163	0	2163	2.8586
DAWN	898.0	1622.1	724.1			2.8309	2542	0	2542	2.8309
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1090.8	10980.0	9889.2			7.3961	8068	0	8068	7.3961
Engie Combo	630.0	630.0	0.0							
Total	16808.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	99	97	-2
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3142	2992	-150
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	222	211	-11
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1432	1362	-70
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	519	492	-27
Total	2606	98	3322.5	3295.6	0	26.8	2606	98	5.6	0	6456	6197	-259

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	2324.1	0.0	2324.1	7904.1	5580.1	0	5043	0	5043	2.1700
ENGTGP2Stg	106.4	2.2	104.2	7904.1	7800.0	27	0	0	27	0.2572
ENGTGPLong	6035.0	0.0	6035.0	8719.7	2684.6	0	0	0	0	0.0000
ENGTGPBND	1144.7	7.1	1137.6	1142.7	5.1	98	267	0	365	0.3189
ENGTGPShort	2808.2	23.9	2784.3	10290.1	7505.8	316	2688	0	3004	1.0697
TrCanCharges	748.2	8.6	739.6	1481.2	741.6	0	698	0	698	0.9324
IroqCharges	739.6	4.6	735.0	1481.2	746.2	66	640	0	705	0.9538
ENGPNGTS	277.9	2.8	275.2	366.0	90.8	0	312	0	312	1.1236
ENGLNG	321.0	0.0	321.0	8678.6	8357.6	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6370.0	6209.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4392.0	4231.2	161	0	0	161	1.0000
Dracut 30	3778.2	7.9	3770.3	10980.0	7209.7	164	4388	0	4552	1.2049
UnionCharges	756.8	8.6	748.2	1481.2	733.0	0	140	0	140	0.1850
Dracut 20	779.6	1.6	778.0	7320.0	6542.0	34	1134	0	1168	1.4976

Alternative Case Sensitivity
- Draw 0

Ventyx
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NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2217.7	61.8	2155.9	9150.0	6994.1	660	0	0	660	0.2976
Z4toTGPLH	3912.4	33.3	3879.1	7686.0	3806.9	441	0	0	441	0.1126
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1064.0	485.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	898.0	27.7	870.2	1622.1	751.9	27		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		200.8				2199				

Alternative Case Sensitivity
- Draw 0

Ventyx
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NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2220	JAN 19, 2021	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	168.93
Other Variable Cost	340	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	168.93
Total Variable	████	Total Variable	94	Total Variable	2220		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	89634
						Total Revenue	0
						Net Cost	89634

Avg Cost of Served Demand 5.272 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.888 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0
Total	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2314.5	18250.0	15935.5			2.8137	6512	0	6512	2.8137
ENGNiagara	1143.1	1167.3	24.1			2.1441	2451	0	2451	2.1441
ENGPNGTS	291.5	365.0	73.5			3.2469	947	0	947	3.2469
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6660.4	6690.4	30.0			1.9829	13207	0	13207	1.9829
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2635.4	7373.0	4737.6			6.4568	17016	0	17016	6.4568
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Alternative Case Sensitivity
- Draw 0

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NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	761.3	2190.0	1428.7			2.8564	2174	0	2174	2.8564
DAWN	1088.5	1825.0	736.5			2.8117	3061	0	3061	2.8117
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1284.1	10950.0	9665.9			7.4459	9561	0	9561	7.4459
Engie Combo	630.0	630.0	0.0							
Total	17240.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	97	98	1
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	2992	3017	25
ENGDominion	103	100	108.5	106.4	0	2.1	103	100	0.0	0	211	212	1
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1362	1374	12
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	492	491	-1
Total	2606	98	3320.1	3293.3	0	26.8	2606	98	5.6	0	6197	6235	38

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2314.5	0.0	2314.5	7882.5	5568.0	0	5043	0	5043	2.1790
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6030.6	0.0	6030.6	8698.1	2667.5	0	0	0	0	0.0000
ENGTGPBND	1143.1	7.1	1136.0	1139.5	3.5	98	267	0	365	0.3192
ENGTGPShort	2805.8	23.8	2782.0	10262.0	7480.0	316	2688	0	3004	1.0705
TrCanCharges	752.6	8.7	743.9	1477.2	733.2	0	698	0	698	0.9269
IroqCharges	743.9	4.6	739.3	1477.2	737.8	66	640	0	706	0.9487
ENGPNGTS	291.5	2.9	288.6	365.0	76.4	1	312	0	312	1.0714
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3949.4	8.3	3941.1	10950.0	7008.9	171	4388	0	4560	1.1546
UnionCharges	761.3	8.7	752.6	1477.2	724.6	0	140	0	140	0.1839
Dracut 20	1024.9	2.2	1022.7	7300.0	6277.3	44	1134	0	1178	1.1496

Alternative Case Sensitivity
- Draw 0

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NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2208.1	61.5	2146.6	9125.0	6978.4	657	0	0	657	0.2976
Z4toTGPLH	3917.3	33.3	3884.0	7665.0	3781.0	441	0	0	441	0.1126
Z4toStg	2743.1	9.1	2734.1	7882.5	5148.5	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	1088.5	33.6	1054.8	1825.0	770.2	33		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		207.6				2220				

Alternative Case Sensitivity
- Draw 0

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NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	47	Transportation Cost	2044	JAN 19, 2022	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	173.92
Other Variable Cost	102	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	173.92
Total Variable	████	Total Variable	93	Total Variable	2044		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	120709
						Total Revenue	0
						Net Cost	120709

Avg Cost of Served Demand 6.887 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.262 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0	
Total	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2257.4	18250.0	15992.6			2.8427	6417	0	6417	2.8427
ENGNiagara	1144.6	1167.3	22.7			2.1910	2508	0	2508	2.1910
ENGPNGTS	247.5	365.0	117.5			2.7011	669	0	669	2.7011
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6667.0	6690.4	23.4			2.0468	13646	0	13646	2.0468
DLiqWinter	59.9	250.0	190.1							
Dracut 20	351.5	7373.0	7021.5			3.5728	1256	0	1256	3.5728
ENG3Summer	46.6	93.5	46.8			10.0000	466	0	466	10.0000
DLiqSummer	21.0	21.0	0.0							

Alternative Case Sensitivity
- Draw 0

Ventyx
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NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	661.5	2190.0	1528.5			2.9126	1927	0	1927	2.9126
DAWN	3724.7	7018.6	3293.9			2.8664	10677	0	10677	2.8664
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	47.2	10950.0	10902.8			3.0835	146	0	146	3.0835
Engie Combo	630.0	630.0	0.0							
Total	17907.5									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	80.9	80.3	0	0.0	13	100	0.0	1	98	103	5
ENGPropane	77	100	46.6	46.6	0	0.0	77	100	0.0	0	1043	995	-48
ENGFSMA	1498	96	1760.6	1741.8	0	18.8	1498	96	0.0	0	3017	3118	101
ENGDominion	103	100	112.2	110.0	0	2.2	103	100	0.0	0	212	218	6
ENGNGFG	671	100	711.6	706.0	0	5.6	671	100	5.6	0	1374	1417	43
ENGHON	246	100	246.0	246.0	0	0.0	246	100	0.0	0	491	505	14
Total	2606	98	2957.9	2930.7	0	26.6	2607	98	5.6	1	6235	6356	121

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2257.4	0.0	2257.4	7882.5	5625.1	0	5043	0	5043	2.2341	
ENGTGP2Stg	77.8	1.6	76.2	7882.5	7806.3	20	0	0	20	0.2572	
ENGTGPLong	5989.4	0.0	5989.4	8698.1	2708.7	0	0	0	0	0.0000	
ENGTGPBND	1144.6	7.1	1137.5	1139.5	2.0	98	267	0	365	0.3189	
ENGTGPShort	2798.2	23.8	2774.4	10262.0	7487.6	315	2688	0	3003	1.0731	
TrCanCharges	654.0	7.5	646.5	1477.2	830.7	0	698	0	698	1.0667	
IroqCharges	646.5	4.0	642.4	1477.2	834.7	57	640	0	697	1.0784	
ENGPNGTS	247.5	2.5	245.1	365.0	119.9	0	312	0	312	1.2614	
ENGLNG	80.3	0.0	80.3	8654.9	8574.6	0	0	0	0	0.0000	
ENGPropane	46.6	0.0	46.6	6335.0	6288.4	0	0	0	0	0.0000	
ENG C3Truck	46.6	0.0	46.6	4380.0	4333.4	47	0	0	47	1.0000	
Dracut 30	340.6	0.7	339.9	10950.0	10610.1	15	4388	0	4403	12.9288	
UnionCharges	661.5	7.5	654.0	1477.2	823.2	0	140	0	140	0.2117	
Dracut 20	58.2	0.1	58.0	7300.0	7242.0	3	1134	0	1136	19.5347	

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2179.6	60.7	2118.8	9125.0	7006.2	649	0	0	649	0.2976
Z4toTGPLH	3903.7	33.2	3870.5	7665.0	3794.5	440	0	0	440	0.1126
Z4toStg	2763.3	9.1	2754.2	7882.5	5128.4	137	0	0	137	0.0495
Engie2CG	630.0	1.8	628.2	1057.0	428.8	21	0	0	21	0.0334
GranBrdgPL	5597.5	11.8	5585.8	73000.0	67414.2	243		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTPCL	3724.7	59.2	3665.5	6907.0	3241.5	0	6976	0	6976	1.8729
PNGTS2RT101	3665.5	55.0	3610.5	6803.4	3192.9	0		0		
Total		347.1				2044				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2124	JAN 19, 2023	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	179.38
Other Variable Cost	28	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	179.38
Total Variable	████	Total Variable	94	Total Variable	2124		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	121732
						Total Revenue	0
						Net Cost	121732

Avg Cost of Served Demand 6.736 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.187 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0
Total	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2254.4	18250.0	15995.6			2.8856	6505	0	6505	2.8856
ENGNiagara	1145.7	1167.3	21.5			2.2569	2586	0	2586	2.2569
ENGPNGTS	277.7	365.0	87.3			2.8559	793	0	793	2.8559
ENG3Winter	7.8	91.7	84.0			15.0000	116	0	116	15.0000
ENG-Z4	6672.4	6690.4	18.0			2.1145	14109	0	14109	2.1145
Dracut 20	689.9	7373.0	6683.1			3.9588	2731	0	2731	3.9588
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	668.5	2190.0	1521.5			2.9491	1972	0	1972	2.9491

Alternative Case Sensitivity
- Draw 0

Ventyx
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Report 1 (Continued)

NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	3844.5	7018.6	3174.1			2.8972	11138	0	11138	2.8972
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	126.1	10950.0	10823.9			4.0149	506	0	506	4.0149
Engie Combo	630.0	630.0	0.0							
Total	18455.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	47.0	47.6	0	0.0	12	95	0.0	-1	103	98	-4
ENGPropane	77	100	76.9	76.9	0	0.0	77	100	0.0	0	995	998	2
ENGFSMA	1498	96	1758.7	1739.9	0	18.8	1498	96	0.0	0	3118	3218	100
ENGDominion	103	100	114.1	111.9	0	2.2	103	100	0.0	0	218	225	7
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1417	1462	45
ENGHON	246	100	246.1	246.1	0	0.0	246	100	0.0	0	505	521	16
Total	2607	98	2963.6	2937.5	0	26.7	2606	98	5.6	-1	6356	6522	166

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENG TGPProd	2254.4	0.0	2254.4	7882.5	5628.2	0	5043	0	5043	2.2371	
ENG TGP2Stg	94.1	1.9	92.2	7882.5	7790.4	24	0	0	24	0.2572	
ENG TGPLong	5982.5	0.0	5982.5	8698.1	2715.6	0	0	0	0	0.0000	
ENG TGPNBD	1145.7	7.1	1138.6	1139.5	0.9	98	267	0	365	0.3187	
ENG TGPShort	2807.4	23.9	2783.5	10262.0	7478.5	316	2688	0	3004	1.0700	
TrCanCharges	660.9	7.6	653.3	1477.2	823.8	0	698	0	698	1.0555	
IroqCharges	653.3	4.1	649.3	1477.2	827.9	58	640	0	698	1.0680	
ENG PNGTS	277.7	2.8	275.0	365.0	90.0	0	312	0	312	1.1245	
ENGLNG	47.6	0.0	47.6	8654.9	8607.2	0	0	0	0	0.0000	
ENGPropane	76.9	0.0	76.9	6335.0	6258.1	0	0	0	0	0.0000	
ENG C3Truck	76.9	0.0	76.9	4380.0	4303.1	77	0	0	77	1.0000	
Dracut 30	745.8	1.6	744.3	10950.0	10205.7	32	4388	0	4421	5.9273	
UnionCharges	668.5	7.6	660.9	1477.2	816.2	0	140	0	140	0.2094	
Dracut 20	70.2	0.1	70.0	7300.0	7230.0	3	1134	0	1137	16.1983	
ENG TG PZ4	2160.3	60.2	2100.1	9125.0	7024.9	643	0	0	643	0.2976	

Alternative Case Sensitivity
- Draw 0

Ventyx
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NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3915.7	33.3	3882.4	7665.0	3782.6	441	0	0	441	0.1126
Z4toStg	2756.7	9.1	2747.6	7882.5	5134.9	137	0	0	137	0.0495
Engie2CG	604.0	1.7	602.3	1057.0	454.7	20	0	0	20	0.0334
GranBrdgPL	5713.7	12.0	5701.7	73000.0	67298.3	248		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	26.0	0.0	26.0	50.0	24.0	26	0	0	26	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTPCL	3844.5	61.1	3783.4	6907.0	3123.6	0	6976	0	6976	1.8145
PNGTS2RT101	3783.4	56.8	3726.7	6803.4	3076.7	0		0		
Total		352.3				2124				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2163	JAN 19, 2024	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	184.43
Other Variable Cost	28	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	184.43
Total Variable	████	Total Variable	94	Total Variable	2163		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	125519
						Total Revenue	0
						Net Cost	125519

Avg Cost of Served Demand 6.734 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.258 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0	
Total	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2271.3	18300.0	16028.7			2.9357	6668	0	6668	2.9357
ENGNiagara	1149.4	1170.5	21.1			2.3421	2692	0	2692	2.3421
ENGPNGTS	281.8	366.0	84.2			2.8975	816	0	816	2.8975
ENG3Winter	11.5	91.7	80.3			15.0000	172	0	172	15.0000
ENG-Z4	6684.4	6698.7	14.3			2.2058	14745	0	14745	2.2058
Dracut 20	964.1	7393.2	6429.1			4.3504	4194	0	4194	4.3504
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	679.9	2196.0	1516.1			2.9956	2037	0	2037	2.9956

Alternative Case Sensitivity

- Draw 0

Ventyx

SENDOUT® Version 14.1.1

REP 1

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NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	3973.0	7037.8	3064.8			2.9427	11691	0	11691	2.9427
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	245.2	10980.0	10734.8			4.2923	1052	0	1052	4.2923
Engie Combo	630.0	630.0	0.0							
Total	19029.0									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	53.0	53.0	0	0.0	12	95	0.0	0	98	100	2
ENGPropane	77	100	80.6	80.6	0	0.0	77	100	0.0	0	998	1000	2
ENGFSMA	1498	96	1754.2	1735.4	0	18.8	1498	96	0.0	0	3218	3361	143
ENGDominion	103	100	112.6	110.4	0	2.2	103	100	0.0	0	225	235	10
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1462	1525	63
ENGHON	246	100	247.1	247.1	0	0.0	246	100	0.0	0	521	543	22
Total	2606	98	2968.3	2941.6	0	26.7	2606	98	5.6	0	6522	6764	242

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2271.3	0.0	2271.3	7904.1	5632.8	0	5043	0	5043	2.2204	
ENGTGP2Stg	94.1	1.9	92.2	7904.1	7812.0	24	0	0	24	0.2572	
ENGTGPLong	6015.8	0.0	6015.8	8719.7	2703.9	0	0	0	0	0.0000	
ENGTGPBND	1149.4	7.1	1142.2	1142.7	0.4	98	267	0	365	0.3179	
ENGTGPShort	2802.5	23.8	2778.6	10290.1	7511.4	316	2688	0	3003	1.0717	
TrCanCharges	672.1	7.7	664.4	1481.2	816.8	0	698	0	698	1.0379	
IroqCharges	664.4	4.1	660.3	1481.2	820.9	59	640	0	699	1.0517	
ENGPNGTS	281.8	2.8	278.9	366.0	87.1	1	312	0	312	1.1085	
ENGLNG	53.0	0.0	53.0	8678.6	8625.6	0	0	0	0	0.0000	
ENGPropane	80.6	0.0	80.6	6370.0	6289.4	0	0	0	0	0.0000	
ENG C3Truck	80.6	0.0	80.6	4392.0	4311.4	81	0	0	81	1.0000	
Dracut 30	1010.3	2.1	1008.2	10980.0	9971.8	44	4388	0	4432	4.3871	
UnionCharges	679.9	7.7	672.1	1481.2	809.1	0	140	0	140	0.2059	
Dracut 20	199.0	0.4	198.6	7320.0	7121.4	9	1134	0	1142	5.7405	
ENGTGPZ4	2177.2	60.7	2116.5	9150.0	7033.5	648	0	0	648	0.2976	

Alternative Case Sensitivity
- Draw 0

Ventyx
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NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3932.7	33.4	3899.3	7686.0	3786.7	443	0	0	443	0.1126
Z4toStg	2751.7	9.1	2742.6	7904.1	5161.5	136	0	0	136	0.0495
Engie2CG	598.0	1.7	596.4	1064.0	467.6	20	0	0	20	0.0334
GranBrdgPL	5838.2	12.3	5826.0	73200.0	67374.0	253		0		
Repsol to101	2048.5	61.5	1987.0	18181.0	16194.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	32.0	0.0	32.0	50.0	18.0	32	0	0	32	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3973.0	63.2	3909.9	6925.9	3016.0	0	6976	0	6976	1.7558
PNGTS2RT101	3909.9	58.6	3851.2	6822.0	2970.8	0		0		
Total		358.2				2163				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2196	JAN 19, 2025	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	188.86
Other Variable Cost	28	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	188.86
Total Variable	████	Total Variable	93	Total Variable	2196		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	129006
						Total Revenue	0
						Net Cost	129006

Avg Cost of Served Demand 6.787 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.354 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0	
Total	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2260.3	18250.0	15989.7			3.0040	6790	0	6790	3.0040
ENGNiagara	1146.6	1167.3	20.6			2.4387	2796	0	2796	2.4387
ENGPNGTS	286.5	365.0	78.5			2.9579	847	0	847	2.9579
ENG3Winter	14.7	91.7	77.0			15.0000	221	0	221	15.0000
ENG-Z4	6678.6	6690.4	11.8			2.3072	15409	0	15409	2.3072
Dracut 20	1180.8	7373.0	6192.2			4.6493	5490	0	5490	4.6493
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DliqSummer	21.0	21.0	0.0							
ENG Dawn	678.7	2190.0	1511.3			3.0601	2077	0	2077	3.0601

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1 (Continued)

NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4054.9	7018.6	2963.6			3.0032	12178	0	12178	3.0032
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	333.5	10950.0	10616.5			4.6029	1535	0	1535	4.6029
Engie Combo	630.0	630.0	0.0							
Total	19403.2									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	70.4	0	0.0	13	100	0.0	1	100	105	5
ENGPropane	77	100	83.8	83.8	0	0.0	77	100	0.0	0	1000	1002	2
ENGFSMA	1498	96	1757.4	1738.6	0	18.8	1498	96	0.0	0	3361	3515	154
ENGDominion	103	100	110.5	108.4	0	2.2	103	100	0.0	0	235	246	11
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1525	1593	68
ENGHON	246	100	239.9	239.9	0	0.0	246	100	0.0	0	543	567	24
Total	2606	98	2983.5	2956.2	0	26.7	2607	98	5.6	1	6764	7028	265

Transportation Summary															
	Total	Fuel							Cap Rel		Average				
Segment	Flow	Consumed	Delivered	Max	Flow	Surplus	Var	Cost	Fix	Cost	Revenue	Net	Cost	Net	Cost
ENGTGPProd	2260.3	0.0	2260.3		7882.5	5622.3		0		5043	0		5043		2.2313
ENGTGP2Stg	90.5	1.9	88.7		7882.5	7793.8		23		0	0		23		0.2572
ENGTGPLong	6005.4	0.0	6005.4		8698.1	2692.7		0		0	0		0		0.0000
ENGTGPBND	1146.6	7.1	1139.5		1139.5	0.0		98		267	0		365		0.3185
ENGTGPShort	2796.4	23.8	2772.6		10262.0	7489.4		315		2688	0		3003		1.0738
TrCanCharges	671.0	7.7	663.2		1477.2	813.9		0		698	0		698		1.0397
IroqCharges	663.2	4.1	659.1		1477.2	818.0		59		640	0		699		1.0533
ENGPNGTS	286.5	2.9	283.6		365.0	81.4		1		312	0		312		1.0902
ENGLNG	70.4	0.0	70.4		8654.9	8584.5		0		0	0		0		0.0000
ENGPropane	83.8	0.0	83.8		6335.0	6251.2		0		0	0		0		0.0000
ENG3Truck	83.8	0.0	83.8		4380.0	4296.2		84		0	0		84		1.0000
Dracut 30	1300.7	2.7	1298.0		10950.0	9652.0		56		4388	0		4445		3.4172
UnionCharges	678.7	7.7	671.0		1477.2	806.2		0		140	0		140		0.2063
Dracut 20	213.6	0.4	213.2		7300.0	7086.8		9		1134	0		1143		5.3507
ENGTGPZ4	2169.7	60.5	2109.2		9125.0	7015.8		646		0	0		646		0.2976

Alternative Case Sensitivity
- Draw 0

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NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3929.6	33.4	3896.2	7665.0	3768.8	443	0	0	443	0.1126
Z4toStg	2749.0	9.1	2740.0	7882.5	5142.6	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	5917.6	12.4	5905.2	73000.0	67094.8	257		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4054.9	64.5	3990.5	6907.0	2916.5	0	6976	0	6976	1.7204
PNGTS2RT101	3990.5	59.9	3930.6	6803.4	2872.8	0		0		
Total		361.1				2196				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2216	JAN 19, 2026	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	192.93
Other Variable Cost	29	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	192.93
Total Variable	████	Total Variable	93	Total Variable	2216		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	133113
						Total Revenue	0
						Net Cost	133113

Avg Cost of Served Demand 6.856 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.470 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0	
Total	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2263.0	18250.0	15987.0			3.1057	7028	0	7028	3.1057
ENGNiagara	1146.6	1167.3	20.6			2.5483	2922	0	2922	2.5483
ENGPNGTS	324.8	365.0	40.2			3.3614	1092	0	1092	3.3614
ENG3Winter	17.6	91.7	74.1			15.0000	264	0	264	15.0000
ENG-Z4	6680.5	6690.4	9.9			2.4136	16124	0	16124	2.4136
Dracut 20	1396.6	7373.0	5976.4			4.9565	6922	0	6922	4.9565
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	680.4	2190.0	1509.6			3.1562	2148	0	2148	3.1562

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1 (Continued)

NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4148.6	7018.6	2870.0			3.0903	12820	0	12820	3.0903
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	387.4	10950.0	10562.6			4.7379	1835	0	1835	4.7379
Engie Combo	630.0	630.0	0.0							
Total	19814.0									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	71.0	71.0	0	0.0	13	100	0.0	0	105	107	2
ENGPropane	77	100	86.7	86.7	0	0.0	77	100	0.0	0	1002	1008	6
ENGFSMA	1498	96	1761.6	1742.8	0	18.8	1498	96	0.0	0	3515	3669	153
ENGDominion	103	100	108.7	106.6	0	2.1	103	100	0.0	0	246	256	10
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1593	1661	68
ENGHON	246	100	238.7	238.7	0	0.0	246	100	0.0	0	567	592	25
Total	2607	98	2987.6	2961.0	0	26.7	2607	98	5.6	0	7028	7293	265

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost		Revenue	Net Cost	Net Cost
ENGTGPProd	2263.0	0.0	2263.0	7882.5	5619.6	0	5043		0	5043	2.2286
ENG TGP2Stg	94.1	1.9	92.2	7882.5	7790.4	24	0		0	24	0.2572
ENGTGPLong	6008.7	0.0	6008.7	8698.1	2689.4	0	0		0	0	0.0000
ENG TGPNBD	1146.6	7.1	1139.5	1139.5	0.0	98	267		0	365	0.3185
ENG TGPShort	2797.6	23.8	2773.8	10262.0	7488.1	315	2688		0	3003	1.0733
TrCanCharges	672.7	7.7	664.9	1477.2	812.2	0	698		0	698	1.0371
IroqCharges	664.9	4.1	660.8	1477.2	816.4	59	640		0	699	1.0509
ENG PNGTS	324.8	3.2	321.6	365.0	43.4	1	312		0	312	0.9617
ENGLNG	71.0	0.0	71.0	8654.9	8583.9	0	0		0	0	0.0000
ENGPropane	86.7	0.0	86.7	6335.0	6248.3	0	0		0	0	0.0000
ENG C3Truck	86.7	0.0	86.7	4380.0	4293.3	87	0		0	87	1.0000
Dracut 30	1546.5	3.2	1543.3	10950.0	9406.7	67	4388		0	4455	2.8809
UnionCharges	680.4	7.7	672.7	1477.2	804.5	0	140		0	140	0.2058
Dracut 20	237.4	0.5	237.0	7300.0	7063.0	10	1134		0	1144	4.8178
ENG TG PZ4	2168.9	60.4	2108.4	9125.0	7016.6	645	0		0	645	0.2976

Alternative Case Sensitivity
- Draw 0

Ventyx
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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3933.7	33.4	3900.2	7665.0	3764.8	443	0	0	443	0.1126
Z4toStg	2746.8	9.1	2737.8	7882.5	5144.8	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	6008.4	12.6	5995.7	73000.0	67004.3	261		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4148.6	66.0	4082.6	6907.0	2824.4	0	6976	0	6976	1.6816
PNGTS2RT101	4082.6	61.2	4021.4	6803.4	2782.0	0		0		
Total		365.3				2216				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2235	JAN 19, 2027	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	196.78
Other Variable Cost	29	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	196.78
Total Variable	████	Total Variable	94	Total Variable	2235		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	136746
						Total Revenue	0
						Net Cost	136746

Avg Cost of Served Demand 6.910 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.565 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0
Total	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2264.1	18250.0	15985.9			3.1986	7242	0	7242	3.1986
ENGNiagara	1146.6	1167.3	20.6			2.6165	3000	0	3000	2.6165
ENGPNGTS	332.5	365.0	32.5			3.4320	1141	0	1141	3.4320
ENG3Winter	20.4	91.7	71.3			15.0000	306	0	306	15.0000
ENG-Z4	6681.8	6690.4	8.6			2.4648	16469	0	16469	2.4648
Dracut 20	1626.5	7373.0	5746.5			5.3126	8641	0	8641	5.3126
ENG3Summer	69.1	93.5	24.4			10.1000	698	0	698	10.1000
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	681.9	2190.0	1508.1			3.2447	2212	0	2212	3.2447

Alternative Case Sensitivity
- Draw 0

Ventyx
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NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4229.6	7018.6	2789.0			3.1630	13378	0	13378	3.1630
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	437.2	10950.0	10512.8			4.8460	2118	0	2118	4.8460
Engie Combo	630.0	630.0	0.0							
Total	20189.1									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	71.0	71.6	0	0.0	12	95	0.0	-1	107	106	-2
ENGPropane	77	100	89.5	89.5	0	0.0	77	100	0.0	0	1008	1050	42
ENGFSMA	1498	96	1772.7	1753.8	0	19.0	1498	96	0.0	0	3669	3705	36
ENGDominion	103	100	108.1	106.0	0	2.1	103	100	0.0	0	256	259	3
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1661	1684	23
ENGHON	246	100	235.7	235.7	0	0.0	246	100	0.0	0	592	603	11
Total	2607	98	2997.9	2971.8	0	26.8	2606	98	5.6	-1	7293	7407	114

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPProd	2264.1	0.0	2264.1	7882.5	5618.4	0	5043	0	5043	2.2275	
ENGTP2Stg	102.5	2.1	100.4	7882.5	7782.2	26	0	0	26	0.2572	
ENGTPLong	6003.6	0.0	6003.6	8698.1	2694.5	0	0	0	0	0.0000	
ENGTPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTPShort	2805.0	23.8	2781.1	10262.0	7480.8	316	2688	0	3004	1.0708	
TrCanCharges	674.1	7.8	666.4	1477.2	810.8	0	698	0	698	1.0348	
IroqCharges	666.4	4.1	662.2	1477.2	814.9	59	640	0	699	1.0488	
ENGPNGTS	332.5	3.3	329.1	365.0	35.9	1	312	0	312	0.9397	
ENGLNG	71.6	0.0	71.6	8654.9	8583.2	0	0	0	0	0.0000	
ENGPropane	89.5	0.0	89.5	6335.0	6245.5	0	0	0	0	0.0000	
ENG C3Truck	89.5	0.0	89.5	4380.0	4290.5	90	0	0	90	1.0000	
Dracut 30	1805.4	3.8	1801.6	10950.0	9148.4	78	4388	0	4467	2.4740	
UnionCharges	681.9	7.8	674.1	1477.2	803.0	0	140	0	140	0.2053	
Dracut 20	258.2	0.5	257.7	7300.0	7042.3	11	1134	0	1145	4.4342	
ENGTPZ4	2161.6	60.2	2101.4	9125.0	7023.6	643	0	0	643	0.2976	

Alternative Case Sensitivity
- Draw 0

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SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3935.7	33.5	3902.2	7665.0	3762.8	443	0	0	443	0.1126
Z4toStg	2746.1	9.1	2737.0	7882.5	5145.5	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	6086.9	12.8	6074.1	73000.0	66925.9	264		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTPCL	4229.6	67.3	4162.4	6907.0	2744.6	0	6976	0	6976	1.6493
PNGTS2RT101	4162.4	62.4	4099.9	6803.4	2703.5	0		0		
Total		368.7				2235				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2262	JAN 19, 2028	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	199.95
Other Variable Cost	29	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	199.95
Total Variable	████	Total Variable	94	Total Variable	2262		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	139655
						Total Revenue	0
						Net Cost	139655

Avg Cost of Served Demand 6.914 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.613 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0
Total	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2279.3	18300.0	16020.7			3.2310	7365	0	7365	3.2310
ENGNiagara	1149.8	1170.5	20.7			2.6436	3040	0	3040	2.6436
ENGPNGTS	333.6	366.0	32.4			3.4640	1155	0	1155	3.4640
ENG3Winter	24.4	91.7	67.4			15.1500	369	0	369	15.1500
ENG-Z4	6691.3	6698.7	7.4			2.4900	16661	0	16661	2.4900
Dracut 20	1764.9	7393.2	5628.3			5.4999	9707	0	9707	5.4999
ENG3Summer	69.1	93.5	24.4			10.2010	705	0	705	10.2010
DLiqSummer	21.0	21.0	0.0			████████████████	████████████████	████████████████	████████████████	████████████████
ENG Dawn	690.1	2196.0	1505.9			3.2764	2261	0	2261	3.2764

Alternative Case Sensitivity
- Draw 0

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NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4333.8	7037.8	2704.0			3.1901	13826	0	13826	3.1901
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	568.1	10980.0	10411.9			5.1152	2906	0	2906	5.1152
Engie Combo	630.0	630.0	0.0							
Total	20603.9									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	71.0	0	0.0	12	95	0.0	0	106	107	1
ENGPropane	77	100	93.5	93.5	0	0.0	77	100	0.0	0	1050	1044	-6
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3705	3742	37
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	259	262	2
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1684	1700	16
ENGHON	246	100	235.7	235.7	0	0.0	246	100	0.0	0	603	610	6
Total	2606	98	3005.3	2978.5	0	26.8	2606	98	5.6	0	7407	7464	57

Transportation Summary												
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost		
ENGTGPProd	2279.3	0.0	2279.3	7904.1	5624.8	0	5043	0	5043	2.2126		
ENGTGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572		
ENGTGPLong	6024.4	0.0	6024.4	8719.7	2695.3	0	0	0	0	0.0000		
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179		
ENGTGPShort	2808.4	23.9	2784.5	10290.1	7505.5	316	2688	0	3004	1.0696		
TrCanCharges	682.2	7.8	674.4	1481.2	806.8	0	698	0	698	1.0225		
IroqCharges	674.4	4.2	670.2	1481.2	811.0	60	640	0	700	1.0374		
ENGPNCTS	333.6	3.3	330.2	366.0	35.8	1	312	0	312	0.9365		
ENGLNG	71.0	0.0	71.0	8678.6	8607.6	0	0	0	0	0.0000		
ENGPropane	93.5	0.0	93.5	6370.0	6276.5	0	0	0	0	0.0000		
ENG3Truck	93.5	0.0	93.5	4392.0	4298.5	93	0	0	93	1.0000		
Dracut 30	1948.5	4.1	1944.4	10980.0	9035.6	85	4388	0	4473	2.2956		
UnionCharges	690.1	7.9	682.2	1481.2	799.0	0	140	0	140	0.2029		
Dracut 20	384.6	0.8	383.8	7320.0	6936.2	17	1134	0	1150	2.9913		
ENGTGPZ4	2173.9	60.6	2113.3	9150.0	7036.7	647	0	0	647	0.2976		

Alternative Case Sensitivity
- Draw 0

Ventyx
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NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3944.6	33.5	3911.1	7686.0	3774.9	444	0	0	444	0.1126
Z4toStg	2746.7	9.1	2737.6	7904.1	5166.5	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1064.0	485.6	19	0	0	19	0.0334
GranBrdgPL	6188.0	13.0	6175.0	73200.0	67025.0	269		0		
Repsol to101	2048.5	61.5	1987.0	18181.0	16194.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4333.8	68.9	4264.9	6925.9	2661.0	0	6976	0	6976	1.6097
PNGTS2RT101	4264.9	64.0	4201.0	6822.0	2621.1	0		0		
Total		373.4				2262				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2277	JAN 19, 2029	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	203.49
Other Variable Cost	30	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	203.49
Total Variable	████	Total Variable	94	Total Variable	2277		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	142207
						Total Revenue	0
						Net Cost	142207

Avg Cost of Served Demand 6.946 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.674 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0
Total	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2267.1	18250.0	15982.9			3.2627	7397	0	7397	3.2627
ENGNiagara	1146.6	1167.3	20.6			2.6691	3061	0	3061	2.6691
ENGPNGTS	334.5	365.0	30.5			3.4967	1170	0	1170	3.4967
ENG3Winter	31.6	91.7	60.2			15.3015	483	0	483	15.3015
ENG-Z4	6684.1	6690.4	6.3			2.5143	16806	0	16806	2.5143
Dracut 20	1881.4	7373.0	5491.6			5.6695	10667	0	10667	5.6695
ENG3Summer	69.1	93.5	24.4			10.3030	712	0	712	10.3030
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	691.3	2190.0	1498.7			3.3066	2286	0	2286	3.3066

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4390.9	7018.6	2627.7			3.2165	14123	0	14123	3.2165
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	683.8	10950.0	10266.2			5.4557	3731	0	3731	5.4557
Engie Combo	630.0	630.0	0.0							
Total	20879.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	71.0	0	0.0	12	95	0.0	0	107	108	1
ENGPropane	77	100	100.7	100.7	0	0.0	77	100	0.0	0	1044	1050	6
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3742	3778	35
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	262	264	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1700	1718	18
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	610	616	6
Total	2606	98	3010.8	2984.0	0	26.8	2606	98	5.6	0	7464	7533	69

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENG TGPProd	2267.1	0.0	2267.1	7882.5	5615.5	0	5043	0	5043	2.2246	
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENG TGPLong	6007.1	0.0	6007.1	8698.1	2691.0	0	0	0	0	0.0000	
ENG TGPNBD	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENG TGPShort	2806.7	23.9	2782.8	10262.0	7479.2	316	2688	0	3004	1.0702	
TrCanCharges	683.4	7.9	675.5	1477.2	801.6	0	698	0	698	1.0208	
IroqCharges	675.5	4.2	671.4	1477.2	805.8	60	640	0	700	1.0358	
ENG PNGTS	334.5	3.3	331.1	365.0	33.9	1	312	0	312	0.9340	
ENGLNG	71.0	0.0	71.0	8654.9	8583.9	0	0	0	0	0.0000	
ENGPropane	100.7	0.0	100.7	6335.0	6234.3	0	0	0	0	0.0000	
ENG C3Truck	100.7	0.0	100.7	4380.0	4279.3	101	0	0	101	1.0000	
Dracut 30	2130.1	4.5	2125.6	10950.0	8824.4	92	4388	0	4481	2.1036	
UnionCharges	691.3	7.9	683.4	1477.2	793.7	0	140	0	140	0.2025	
Dracut 20	435.2	0.9	434.3	7300.0	6865.7	19	1134	0	1153	2.6483	
ENG TG PZ4	2161.7	60.2	2101.4	9125.0	7023.6	643	0	0	643	0.2976	

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3939.1	33.5	3905.7	7665.0	3759.3	444	0	0	444	0.1126
Z4toStg	2744.9	9.1	2735.9	7882.5	5146.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	6243.2	13.1	6230.1	73000.0	66769.9	271		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	4390.9	69.8	4321.1	6907.0	2585.9	0	6976	0	6976	1.5888
PNGTS2RT101	4321.1	64.8	4256.2	6803.4	2547.2	0		0		
Total		375.4				2277				

Alternative Case Sensitivity
- Draw 0

NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2301	JAN 19, 2030	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	206.79
Other Variable Cost	30	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	206.79
Total Variable	████	Total Variable	94	Total Variable	2301		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	145016
						Total Revenue	0
						Net Cost	145016

Avg Cost of Served Demand 6.972 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.733 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0	
Total	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2268.0	18250.0	15982.0			3.2953	7474	0	7474	3.2953
ENGNiagara	1146.6	1167.3	20.6			2.6958	3091	0	3091	2.6958
ENGPNGTS	335.3	365.0	29.7			3.5300	1184	0	1184	3.5300
ENG3Winter	41.5	91.7	50.3			15.4545	641	0	641	15.4545
ENG-Z4	6684.7	6690.4	5.7			2.5394	16975	0	16975	2.5394
Dracut 20	1985.1	7373.0	5387.9			5.8371	11587	0	11587	5.8371
ENG3Summer	69.1	93.5	24.4			10.4060	719	0	719	10.4060
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	705.4	2190.0	1484.6			3.3330	2351	0	2351	3.3330

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4452.5	7018.6	2566.1			3.2450	14448	0	14448	3.2450
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	821.4	10950.0	10128.6			5.6626	4651	0	4651	5.6626
Engie Combo	630.0	630.0	0.0							
Total	21209.1									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	71.0	0	0.0	12	95	0.0	0	108	109	1
ENGPropane	77	100	110.6	110.6	0	0.0	77	100	0.0	0	1050	1079	29
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3778	3815	37
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	264	266	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1718	1733	16
ENGHON	246	100	233.5	233.5	0	0.0	246	100	0.0	0	616	622	7
Total	2606	98	3019.6	2992.8	0	26.8	2606	98	5.6	0	7533	7625	92

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENG TG PProd	2268.0	0.0	2268.0	7882.5	5614.5	0	5043	0	5043	2.2237	
ENG TG P2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENG TG PLong	6009.7	0.0	6009.7	8698.1	2688.4	0	0	0	0	0.0000	
ENG TG PBNd	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENG TG PShort	2805.6	23.8	2781.7	10262.0	7480.2	316	2688	0	3004	1.0706	
TrCanCharges	697.3	8.0	689.3	1477.2	787.8	0	698	0	698	1.0004	
IroqCharges	689.3	4.3	685.0	1477.2	792.1	61	640	0	701	1.0168	
ENG PNGTS	335.3	3.4	332.0	365.0	33.0	1	312	0	312	0.9316	
ENGLNG	71.0	0.0	71.0	8654.9	8583.9	0	0	0	0	0.0000	
ENG Propane	110.6	0.0	110.6	6335.0	6224.4	0	0	0	0	0.0000	
ENG C3Truck	110.6	0.0	110.6	4380.0	4269.4	111	0	0	111	1.0000	
Dracut 30	2307.5	4.8	2302.6	10950.0	8647.4	100	4388	0	4488	1.9452	
UnionCharges	705.4	8.0	697.3	1477.2	779.8	0	140	0	140	0.1985	
Dracut 20	499.0	1.0	498.0	7300.0	6802.0	22	1134	0	1155	2.3151	
ENG TG PZ4	2162.6	60.3	2102.3	9125.0	7022.7	644	0	0	644	0.2976	

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3940.9	33.5	3907.4	7665.0	3757.6	444	0	0	444	0.1126
Z4toStg	2743.9	9.1	2734.8	7882.5	5147.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	6303.0	13.2	6289.7	73000.0	66710.3	274		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	4452.5	70.8	4381.7	6907.0	2525.3	0	6976	0	6976	1.5668
PNGTS2RT101	4381.7	65.7	4316.0	6803.4	2487.4	0		0		
Total		378.3				2301				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2326	JAN 19, 2031	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	210.02
Other Variable Cost	30	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	210.02
Total Variable	████	Total Variable	94	Total Variable	2326		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	147805
						Total Revenue	0
						Net Cost	147805

Avg Cost of Served Demand 7.002 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.792 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0
Total	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2269.6	18250.0	15980.4			3.3283	7554	0	7554	3.3283
ENGNiagara	1146.6	1167.3	20.6			2.7228	3122	0	3122	2.7228
ENGPNGTS	334.9	365.0	30.1			3.5637	1193	0	1193	3.5637
ENG3Winter	51.2	91.7	40.6			15.6091	799	0	799	15.6091
ENG-Z4	6685.3	6690.4	5.1			2.5648	17147	0	17147	2.5648
Dracut 20	2082.7	7373.0	5290.3			5.9891	12473	0	12473	5.9891
ENG3Summer	69.1	93.5	24.4			10.5101	726	0	726	10.5101
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	728.0	2190.0	1462.0			3.3554	2443	0	2443	3.3554

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4499.7	7018.6	2518.9			3.2747	14735	0	14735	3.2747
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	955.2	10950.0	9994.8			5.8617	5599	0	5599	5.8617
Engie Combo	630.0	630.0	0.0							
Total	21521.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	71.0	0	0.0	12	95	0.0	0	109	110	1
ENGPropane	77	100	120.3	120.3	0	0.0	77	100	0.0	0	1079	1086	7
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3815	3852	37
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	266	269	3
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1733	1750	16
ENGHON	246	100	233.5	233.5	0	0.0	246	100	0.0	0	622	628	6
Total	2606	98	3029.3	3002.5	0	26.8	2606	98	5.6	0	7625	7695	70

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPPProd	2269.6	0.0	2269.6	7882.5	5612.9	0	5043	0	5043	2.2221	
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENG TGPLong	6011.9	0.0	6011.9	8698.1	2686.2	0	0	0	0	0.0000	
ENG TGPNBD	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENG TGPShort	2805.6	23.8	2781.7	10262.0	7480.2	316	2688	0	3004	1.0706	
TrCanCharges	719.7	8.3	711.4	1477.2	765.7	0	698	0	698	0.9693	
IroqCharges	711.4	4.4	707.0	1477.2	770.2	63	640	0	703	0.9880	
ENG PNGTS	334.9	3.3	331.5	365.0	33.5	1	312	0	312	0.9329	
ENGLNG	71.0	0.0	71.0	8654.9	8583.9	0	0	0	0	0.0000	
ENGPropane	120.3	0.0	120.3	6335.0	6214.7	0	0	0	0	0.0000	
ENG C3Truck	120.3	0.0	120.3	4380.0	4259.7	120	0	0	120	1.0000	
Dracut 30	2547.0	5.3	2541.6	10950.0	8408.4	111	4388	0	4499	1.7664	
UnionCharges	728.0	8.3	719.7	1477.2	757.5	0	140	0	140	0.1923	
Dracut 20	490.9	1.0	489.9	7300.0	6810.1	21	1134	0	1155	2.3528	
ENG TGPNZ4	2164.2	60.3	2103.9	9125.0	7021.1	644	0	0	644	0.2976	

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3941.5	33.5	3908.0	7665.0	3757.0	444	0	0	444	0.1126
Z4toStg	2743.9	9.1	2734.8	7882.5	5147.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	6348.7	13.3	6335.4	73000.0	66664.6	276		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	4499.7	71.5	4428.2	6907.0	2478.8	0	6976	0	6976	1.5503
PNGTS2RT101	4428.2	66.4	4361.7	6803.4	2441.6	0		0		
Total		381.1				2326				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2355	JAN 19, 2032	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	212.97
Other Variable Cost	30	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	212.97
Total Variable	████	Total Variable	94	Total Variable	2355		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	150825
						Total Revenue	0
						Net Cost	150825

Avg Cost of Served Demand 7.023 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.847 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0	
Total	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2283.9	18300.0	16016.1			3.3621	7679	0	7679	3.3621
ENGNiagara	1149.8	1170.5	20.7			2.7509	3163	0	3163	2.7509
ENGPNGTS	336.2	366.0	29.8			3.6072	1213	0	1213	3.6072
ENG3Winter	60.1	91.7	31.7			15.7652	947	0	947	15.7652
ENG-Z4	6694.2	6698.7	4.5			2.5910	17345	0	17345	2.5910
Dracut 20	2168.7	7393.2	5224.5			5.9687	12944	0	12944	5.9687
ENG3Summer	69.1	93.5	24.4			10.6152	733	0	733	10.6152
DLiqSummer	21.0	21.0	0.0							
ENG3Dawn	738.5	2196.0	1457.5			3.3884	2502	0	2502	3.3884

Alternative Case Sensitivity
- Draw 0

Ventyx
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Report 1 (Continued) 09:40:37

NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4580.7	7037.8	2457.2			3.3048	15138	0	15138	3.3048
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	1113.6	10980.0	9866.4			6.3051	7022	0	7022	6.3051
Engie Combo	630.0	630.0	0.0							
Total	21894.2									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	71.0	0	0.0	12	95	0.0	0	110	111	1
ENGPropane	77	100	129.2	129.2	0	0.0	77	100	0.0	0	1086	1099	13
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3852	3890	38
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	269	272	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1750	1767	18
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	628	634	6
Total	2606	98	3039.9	3013.1	0	26.8	2606	98	5.6	0	7695	7773	78

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPProd	2283.9	0.0	2283.9	7904.1	5620.2	0	5043	0	5043	2.2082	
ENGTGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572	
ENGTGPLong	6032.9	0.0	6032.9	8719.7	2686.8	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2807.2	23.9	2783.4	10290.1	7506.7	316	2688	0	3004	1.0700	
TrCanCharges	730.1	8.4	721.7	1481.2	759.5	0	698	0	698	0.9555	
IroqCharges	721.7	4.5	717.2	1481.2	764.0	64	640	0	704	0.9752	
ENGPNGTS	336.2	3.4	332.9	366.0	33.1	1	312	0	312	0.9291	
ENGLNG	71.0	0.0	71.0	8678.6	8607.6	0	0	0	0	0.0000	
ENGPropane	129.2	0.0	129.2	6370.0	6240.8	0	0	0	0	0.0000	
ENG3Truck	129.2	0.0	129.2	4392.0	4262.8	129	0	0	129	1.0000	
Dracut 30	2656.4	5.6	2650.8	10980.0	8329.2	115	4388	0	4504	1.6954	
UnionCharges	738.5	8.4	730.1	1481.2	751.1	0	140	0	140	0.1896	
Dracut 20	625.9	1.3	624.6	7320.0	6695.4	27	1134	0	1161	1.8547	
ENGTGPZ4	2178.5	60.7	2117.8	9150.0	7032.2	648	0	0	648	0.2976	

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3948.7	33.6	3915.1	7686.0	3770.9	445	0	0	445	0.1126
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1064.0	485.6	19	0	0	19	0.0334
GranBrdgPL	6427.2	13.5	6413.7	73200.0	66786.3	279		0		
Repsol to101	2048.5	61.5	1987.0	18181.0	16194.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4580.7	72.8	4507.8	6925.9	2418.1	0	6976	0	6976	1.5229
PNGTS2RT101	4507.8	67.6	4440.2	6822.0	2381.8	0		0		
Total		385.0				2355				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2368	JAN 19, 2033	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	215.84
Other Variable Cost	31	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	215.84
Total Variable	████	Total Variable	94	Total Variable	2368		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	153207
						Total Revenue	0
						Net Cost	153207

Avg Cost of Served Demand 7.067 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.910 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0	
Total	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2271.5	18250.0	15978.5			3.3951	7712	0	7712	3.3951
ENGNiagara	1146.6	1167.3	20.6			2.7775	3185	0	3185	2.7775
ENGPNGTS	335.9	365.0	29.1			3.6336	1220	0	1220	3.6336
ENG3Winter	68.7	91.7	23.0			15.9228	1094	0	1094	15.9228
ENG-Z4	6686.5	6690.4	3.9			2.6164	17494	0	17494	2.6164
Dracut 20	2301.1	7373.0	5071.9			6.1458	14142	0	14142	6.1458
ENG3Summer	69.1	93.5	24.4			10.7214	741	0	741	10.7214
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	740.3	2190.0	1449.7			3.4201	2532	0	2532	3.4201

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4618.6	7018.6	2399.9			3.3336	15397	0	15397	3.3336
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	1159.0	10950.0	9791.0			6.4213	7443	0	7443	6.4213
Engie Combo	630.0	630.0	0.0							
Total	22096.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	71.0	0	0.0	12	95	0.0	0	111	112	1
ENGPropane	77	100	137.8	137.8	0	0.0	77	100	0.0	0	1099	1109	10
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3890	3929	38
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	272	274	3
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1767	1784	16
ENGHON	246	100	233.5	233.5	0	0.0	246	100	0.0	0	634	641	7
Total	2606	98	3046.9	3020.1	0	26.8	2606	98	5.6	0	7773	7849	76

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost		Revenue	Net Cost	Net Cost
ENG TG PProd	2271.5	0.0	2271.5	7882.5	5611.0	0	5043		0	5043	2.2202
ENG TG P2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0		0	27	0.2572
ENG TG PLong	6014.9	0.0	6014.9	8698.1	2683.2	0	0		0	0	0.0000
ENG TG PBND	1146.6	7.1	1139.5	1139.5	0.0	98	267		0	365	0.3185
ENG TG PShort	2805.6	23.8	2781.7	10262.0	7480.2	316	2688		0	3004	1.0706
TrCanCharges	731.8	8.4	723.4	1477.2	753.8	0	698		0	698	0.9532
IroqCharges	723.4	4.5	718.9	1477.2	758.2	64	640		0	704	0.9731
ENG PNGTS	335.9	3.4	332.5	365.0	32.5	1	312		0	312	0.9301
ENGLNG	71.0	0.0	71.0	8654.9	8583.9	0	0		0	0	0.0000
ENGPropane	137.8	0.0	137.8	6335.0	6197.2	0	0		0	0	0.0000
ENG C3Truck	137.8	0.0	137.8	4380.0	4242.2	138	0		0	138	1.0000
Dracut 30	2852.2	6.0	2846.2	10950.0	8103.8	124	4388		0	4512	1.5820
UnionCharges	740.3	8.4	731.8	1477.2	745.3	0	140		0	140	0.1891
Dracut 20	607.9	1.3	606.6	7300.0	6693.4	26	1134		0	1160	1.9083
ENG TG PZ4	2166.1	60.4	2105.8	9125.0	7019.2	645	0		0	645	0.2976

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3942.6	33.5	3909.1	7665.0	3755.9	444	0	0	444	0.1126
Z4toStg	2743.9	9.1	2734.8	7882.5	5147.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	6464.0	13.6	6450.5	73000.0	66549.5	281		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4618.6	73.4	4545.2	6907.0	2361.8	0	6976	0	6976	1.5104
PNGTS2RT101	4545.2	68.2	4477.0	6803.4	2326.4	0		0		
Total		386.3				2368				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2388	JAN 19, 2034	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	218.83
Other Variable Cost	31	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	218.83
Total Variable	████	Total Variable	94	Total Variable	2388		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	156001
						Total Revenue	0
						Net Cost	156001

Avg Cost of Served Demand 7.104 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.972 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0	
Total	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2275.0	18250.0	15975.0			3.4289	7801	0	7801	3.4289
ENGNiagara	1146.6	1167.3	20.6			2.8053	3217	0	3217	2.8053
ENGPNGTS	336.5	365.0	28.5			3.6689	1235	0	1235	3.6689
ENG3Winter	74.9	91.7	16.8			16.0820	1204	0	1204	16.0820
ENG-Z4	6687.0	6690.4	3.4			2.6425	17671	0	17671	2.6425
Dracut 20	2356.0	7373.0	5017.0			6.3291	14911	0	14911	6.3291
ENG3Summer	69.1	93.5	24.4			10.8286	748	0	748	10.8286
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	744.9	2190.0	1445.1			3.4528	2572	0	2572	3.4528

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4672.9	7018.6	2345.7			3.3638	15719	0	15719	3.3638
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	1319.2	10950.0	9630.8			6.4883	8559	0	8559	6.4883
Engie Combo	630.0	630.0	0.0							
Total	22381.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	71.0	0	0.0	12	95	0.0	0	112	113	1
ENGPropane	77	100	144.0	144.0	0	0.0	77	100	0.0	0	1109	1119	10
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3929	3967	39
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	274	277	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1784	1802	18
ENGHON	246	100	233.5	233.5	0	0.0	246	100	0.0	0	641	647	6
Total	2606	98	3053.0	3026.2	0	26.8	2606	98	5.6	0	7849	7926	77

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost		Revenue	Net Cost	Net Cost
ENG TGPPProd	2275.0	0.0	2275.0	7882.5	5607.5	0	5043		0	5043	2.2168
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0		0	27	0.2572
ENG TGPLong	6018.8	0.0	6018.8	8698.1	2679.3	0	0		0	0	0.0000
ENG TGPNBD	1146.6	7.1	1139.5	1139.5	0.0	98	267		0	365	0.3185
ENG TGPShort	2805.6	23.8	2781.7	10262.0	7480.2	316	2688		0	3004	1.0706
TrCanCharges	736.4	8.5	728.0	1477.2	749.2	0	698		0	698	0.9473
IroqCharges	728.0	4.5	723.4	1477.2	753.7	65	640		0	704	0.9676
ENG PNGTS	336.5	3.4	333.1	365.0	31.9	1	312		0	312	0.9284
ENGLNG	71.0	0.0	71.0	8654.9	8583.9	0	0		0	0	0.0000
ENGPropane	144.0	0.0	144.0	6335.0	6191.0	0	0		0	0	0.0000
ENG C3Truck	144.0	0.0	144.0	4380.0	4236.0	144	0		0	144	1.0000
Dracut 30	2984.2	6.3	2977.9	10950.0	7972.1	130	4388		0	4518	1.5139
UnionCharges	744.9	8.5	736.4	1477.2	740.7	0	140		0	140	0.1880
Dracut 20	691.0	1.5	689.5	7300.0	6610.5	30	1134		0	1164	1.6841
ENG TGPNZ4	2169.6	60.5	2109.2	9125.0	7015.8	646	0		0	646	0.2976

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3943.2	33.5	3909.6	7665.0	3755.4	444	0	0	444	0.1126
Z4toStg	2743.9	9.1	2734.8	7882.5	5147.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	6516.6	13.7	6503.0	73000.0	66497.0	283		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4672.9	74.3	4598.6	6907.0	2308.4	0	6976	0	6976	1.4929
PNGTS2RT101	4598.6	69.0	4529.6	6803.4	2273.7	0		0		
Total		388.7				2388				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2404	JAN 19, 2035	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	221.63
Other Variable Cost	31	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	221.63
Total Variable	████	Total Variable	94	Total Variable	2404		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	158740
						Total Revenue	0
						Net Cost	158740

Avg Cost of Served Demand 7.142 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.033 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0	
Total	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2278.3	18250.0	15971.7			3.4629	7890	0	7890	3.4629
ENGNiagara	1146.6	1167.3	20.6			2.8333	3249	0	3249	2.8333
ENGPNGTS	336.9	365.0	28.1			3.7050	1248	0	1248	3.7050
ENG3Winter	78.7	91.7	13.0			16.2429	1279	0	1279	16.2429
ENG-Z4	6687.5	6690.4	2.9			2.6690	17849	0	17849	2.6690
Dracut 20	2499.3	7373.0	4873.7			6.5369	16337	0	16337	6.5369
ENG3Summer	69.1	93.5	24.4			10.9369	756	0	756	10.9369
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	751.1	2190.0	1438.9			3.4851	2618	0	2618	3.4851

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4723.2	7018.6	2295.4			3.3946	16033	0	16033	3.3946
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	1380.6	10950.0	9569.4			6.5197	9001	0	9001	6.5197
Engie Combo	630.0	630.0	0.0							
Total	22650.9									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	71.0	0	0.0	12	95	0.0	0	113	114	1
ENGPropane	77	100	147.8	147.8	0	0.0	77	100	0.0	0	1119	1130	10
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3967	4006	38
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	277	280	3
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1802	1821	19
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	647	653	6
Total	2606	98	3056.8	3030.0	0	26.8	2606	98	5.6	0	7926	8003	77

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost		Revenue	Net Cost	Net Cost
ENGTGPProd	2278.3	0.0	2278.3	7882.5	5604.2	0	5043		0	5043	2.2136
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0		0	27	0.2572
ENGTGPLong	6022.6	0.0	6022.6	8698.1	2675.4	0	0		0	0	0.0000
ENG TGPNBD	1146.6	7.1	1139.5	1139.5	0.0	98	267		0	365	0.3185
ENG TGPShort	2805.5	23.8	2781.6	10262.0	7480.3	316	2688		0	3004	1.0706
TrCanCharges	742.5	8.5	734.0	1477.2	743.2	0	698		0	698	0.9395
IroqCharges	734.0	4.6	729.4	1477.2	747.7	65	640		0	705	0.9604
ENG PNGTS	336.9	3.4	333.6	365.0	31.4	1	312		0	312	0.9272
ENGLNG	71.0	0.0	71.0	8654.9	8583.9	0	0		0	0	0.0000
ENGPropane	147.8	0.0	147.8	6335.0	6187.2	0	0		0	0	0.0000
ENG C3Truck	147.8	0.0	147.8	4380.0	4232.2	148	0		0	148	1.0000
Dracut 30	3110.9	6.5	3104.3	10950.0	7845.7	135	4388		0	4523	1.4541
UnionCharges	751.1	8.6	742.5	1477.2	734.7	0	140		0	140	0.1864
Dracut 20	768.9	1.6	767.3	7300.0	6532.7	33	1134		0	1167	1.5177
ENG TG PZ4	2172.9	60.6	2112.4	9125.0	7012.6	647	0		0	647	0.2976

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3943.8	33.5	3910.3	7665.0	3754.7	444	0	0	444	0.1126
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	6565.4	13.8	6551.6	73000.0	66448.4	285		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4723.2	75.1	4648.1	6907.0	2258.9	0	6976	0	6976	1.4770
PNGTS2RT101	4648.1	69.7	4578.4	6803.4	2225.0	0		0		
Total		391.1				2404				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2428	JAN 19, 2036	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	224.15
Other Variable Cost	32	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	224.15
Total Variable	████	Total Variable	94	Total Variable	2428		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	161767
						Total Revenue	0
						Net Cost	161767

Avg Cost of Served Demand 7.169 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.089 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0
Total	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2295.3	18300.0	16004.7			3.4980	8029	0	8029	3.4980
ENGNiagara	1149.8	1170.5	20.7			2.8626	3291	0	3291	2.8626
ENGPNGTS	338.0	366.0	28.0			3.7509	1268	0	1268	3.7509
ENG3Winter	82.2	91.7	9.5			16.4053	1349	0	1349	16.4053
ENG-Z4	6696.4	6698.7	2.3			2.6962	18055	0	18055	2.6962
Dracut 20	2595.0	7393.2	4798.2			6.6430	17239	0	17239	6.6430
ENG3Summer	69.1	93.5	24.4			11.0462	763	0	763	11.0462
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	761.3	2196.0	1434.7			3.5187	2679	0	2679	3.5187

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4794.6	7037.8	2243.2			3.4266	16429	0	16429	3.4266
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	1510.1	10980.0	9469.9			6.6610	10059	0	10059	6.6610
Engie Combo	630.0	630.0	0.0							
Total	22991.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	71.0	0	0.0	12	95	0.0	0	114	115	1
ENGPropane	77	100	151.3	151.3	0	0.0	77	100	0.0	0	1130	1140	10
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	4006	4046	40
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	280	282	3
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1821	1839	17
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	653	659	6
Total	2606	98	3062.0	3035.2	0	26.8	2606	98	5.6	0	8003	8081	78

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPProd	2295.3	0.0	2295.3	7904.1	5608.8	0	5043	0	5043	2.1972	
ENGTGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572	
ENGTGPLong	6046.1	0.0	6046.1	8719.7	2673.6	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2807.2	23.9	2783.4	10290.1	7506.7	316	2688	0	3004	1.0700	
TrCanCharges	752.6	8.7	744.0	1481.2	737.2	0	698	0	698	0.9269	
IroqCharges	744.0	4.6	739.4	1481.2	741.8	66	640	0	706	0.9486	
ENGPNCTS	338.0	3.4	334.6	366.0	31.4	1	312	0	312	0.9243	
ENGLNG	71.0	0.0	71.0	8678.6	8607.6	0	0	0	0	0.0000	
ENGPropane	151.3	0.0	151.3	6370.0	6218.7	0	0	0	0	0.0000	
ENG3Truck	151.3	0.0	151.3	4392.0	4240.7	151	0	0	151	1.0000	
Dracut 30	3134.7	6.6	3128.1	10980.0	7851.9	136	4388	0	4524	1.4433	
UnionCharges	761.3	8.7	752.6	1481.2	728.6	0	140	0	140	0.1839	
Dracut 20	970.5	2.0	968.4	7320.0	6351.6	42	1134	0	1176	1.2116	
ENGTGPZ4	2189.9	61.0	2128.9	9150.0	7021.1	652	0	0	652	0.2976	

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3950.8	33.6	3917.3	7686.0	3768.7	445	0	0	445	0.1126
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1064.0	485.6	19	0	0	19	0.0334
GranBrdgPL	6634.6	13.9	6620.7	73200.0	66579.3	288		0		
Repsol to101	2048.5	61.5	1987.0	18181.0	16194.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4794.6	76.2	4718.4	6925.9	2207.6	0	6976	0	6976	1.4550
PNGTS2RT101	4718.4	70.8	4647.6	6822.0	2174.4	0		0		
Total		394.8				2428				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2436	JAN 19, 2037	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	226.86
Other Variable Cost	32	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	226.86
Total Variable	████	Total Variable	94	Total Variable	2436		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	164200
						Total Revenue	0
						Net Cost	164200

Avg Cost of Served Demand 7.220 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.154 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0
Total	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2285.0	18250.0	15965.0			3.5321	8071	0	8071	3.5321
ENGNiagara	1146.6	1167.3	20.6			2.8903	3314	0	3314	2.8903
ENGPNGTS	337.0	365.0	28.0			3.7794	1274	0	1274	3.7794
ENG3Winter	85.9	91.7	5.8			16.5693	1424	0	1424	16.5693
ENG-Z4	6688.6	6690.4	1.8			2.7226	18210	0	18210	2.7226
Dracut 20	2636.5	7373.0	4736.5			6.7928	17909	0	17909	6.7928
ENG3Summer	69.1	93.5	24.4			11.1567	771	0	771	11.1567
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	763.7	2190.0	1426.3			3.5508	2712	0	2712	3.5508

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4822.9	7018.6	2195.7			3.4573	16674	0	16674	3.4573
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	1636.0	10950.0	9314.0			6.7996	11124	0	11124	6.7996
Engie Combo	630.0	630.0	0.0							
Total	23170.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	71.0	0	0.0	12	95	0.0	0	115	116	1
ENGPropane	77	100	155.0	155.0	0	0.0	77	100	0.0	0	1140	1151	11
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	4046	4085	40
ENGDominion	103	100	109.1	107.0	0	2.1	103	100	0.0	0	282	285	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1839	1856	18
ENGHON	246	100	235.2	235.2	0	0.0	246	100	0.0	0	659	666	7
Total	2606	98	3066.8	3040.0	0	26.8	2606	98	5.6	0	8081	8160	79

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost		Revenue	Net Cost	Net Cost
ENGTGPProd	2285.0	0.0	2285.0	7882.5	5597.5	0	5043		0	5043	2.2071
ENG TGP2Stg	108.3	2.2	106.1	7882.5	7776.5	28	0		0	28	0.2572
ENG TGPLong	6027.4	0.0	6027.4	8698.1	2670.7	0	0		0	0	0.0000
ENG TGPNBD	1146.6	7.1	1139.5	1139.5	0.0	98	267		0	365	0.3185
ENG TGPShort	2808.3	23.9	2784.4	10262.0	7477.6	316	2688		0	3004	1.0697
TrCanCharges	755.0	8.7	746.3	1477.2	730.8	0	698		0	698	0.9239
IroqCharges	746.3	4.6	741.7	1477.2	735.4	66	640		0	706	0.9459
ENG PNGTS	337.0	3.4	333.6	365.0	31.4	1	312		0	312	0.9270
ENGLNG	71.0	0.0	71.0	8654.9	8583.9	0	0		0	0	0.0000
ENGPropane	155.0	0.0	155.0	6335.0	6180.0	0	0		0	0	0.0000
ENG C3Truck	155.0	0.0	155.0	4380.0	4225.0	155	0		0	155	1.0000
Dracut 30	3325.7	7.0	3318.7	10950.0	7631.3	144	4388		0	4533	1.3629
UnionCharges	763.7	8.7	755.0	1477.2	722.1	0	140		0	140	0.1833
Dracut 20	946.8	2.0	944.8	7300.0	6355.2	41	1134		0	1175	1.2408
ENGTGPZ4	2176.8	60.7	2116.1	9125.0	7008.9	648	0		0	648	0.2976

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3944.8	33.5	3911.3	7665.0	3753.7	444	0	0	444	0.1126
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	6662.0	14.0	6648.1	73000.0	66351.9	289		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTPCL	4822.9	76.7	4746.2	6907.0	2160.8	0	6976	0	6976	1.4464
PNGTS2RT101	4746.2	71.2	4675.0	6803.4	2128.3	0		0		
Total		395.7				2436				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2456	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	229.59
Other Variable Cost	32	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable	████	Total Variable	94	Total Variable	2456		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	94	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	167023
						Total Revenue	0
						Net Cost	167023

Avg Cost of Served Demand 7.259 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 5.219 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0
Total	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2301.8	18250.0	15948.2			3.5663	8209	0	8209	3.5663
ENGNiagara	1146.6	1167.3	20.6			2.9192	3347	0	3347	2.9192
ENGPNGTS	337.1	365.0	27.9			3.8171	1287	0	1287	3.8171
ENG3Winter	89.7	91.7	2.0			16.7350	1501	0	1501	16.7350
ENG-Z4	6689.0	6690.4	1.4			2.7498	18394	0	18394	2.7498
Dracut 20	2627.9	7373.0	4745.1			6.9738	18326	0	18326	6.9738
ENG3Summer	69.1	93.5	24.4			11.2683	779	0	779	11.2683
DLiqSummer	21.0	21.0	0.0							
ENG Dawn	769.4	2190.0	1420.6			3.5842	2758	0	2758	3.5842

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1 (Continued)

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	4856.5	7018.6	2162.1			3.4900	16949	0	16949	3.4900
Repsol 40	2048.5	2048.5	0.0							
Dracut 30	1835.7	10950.0	9114.3			6.8824	12634	0	12634	6.8824
Engie Combo	630.0	630.0	0.0							
Total	23422.2									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	71.0	71.0	0	0.0	12	95	0.0	0	116	117	1
ENGPropane	77	100	158.8	158.8	0	0.0	77	100	0.0	0	1151	1161	11
ENGFSMA	1498	96	1759.8	1756.5	0	18.8	1482	95	0.0	-16	4085	4083	-2
ENGDominion	103	100	109.1	107.0	0	2.1	103	100	0.0	0	285	288	3
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1856	1874	17
ENGHON	246	100	235.2	235.2	0	0.0	246	100	0.0	0	666	672	6
Total	2606	98	3054.8	3043.7	0	26.7	2591	97	5.6	-16	8160	8195	36

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPPProd	2301.8	0.0	2301.8	7882.5	5580.7	0	5043	0	5043	2.1910
ENG TGP2Stg	108.3	2.2	106.1	7882.5	7776.5	28	0	0	28	0.2572
ENG TGPLong	6059.8	0.0	6059.8	8698.1	2638.3	0	0	0	0	0.0000
ENG TGPNBD	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENG TGPSHORT	2808.3	23.9	2784.4	10262.0	7477.6	316	2688	0	3004	1.0697
TrCanCharges	760.6	8.7	751.9	1477.2	725.3	0	698	0	698	0.9171
IroqCharges	751.9	4.7	747.2	1477.2	729.9	67	640	0	706	0.9396
ENG PNGTS	337.1	3.4	333.7	365.0	31.3	1	312	0	312	0.9268
ENGLNG	71.0	0.0	71.0	8654.9	8583.9	0	0	0	0	0.0000
ENGPropane	158.8	0.0	158.8	6335.0	6176.2	0	0	0	0	0.0000
ENG C3Truck	158.8	0.0	158.8	4380.0	4221.2	159	0	0	159	1.0000
Dracut 30	3382.6	7.1	3375.5	10950.0	7574.5	147	4388	0	4535	1.3407
UnionCharges	769.4	8.8	760.6	1477.2	716.5	0	140	0	140	0.1820
Dracut 20	1081.0	2.3	1078.7	7300.0	6221.3	47	1134	0	1181	1.0922
ENG TG PZ4	2193.5	61.1	2132.4	9125.0	6992.6	653	0	0	653	0.2976

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 09:40:37

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toTGPLH	3961.1	33.7	3927.4	7665.0	3737.6	446	0	0	446	0.1126
Z4toStg	2727.9	9.0	2718.9	7882.5	5163.6	135	0	0	135	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	6694.6	14.1	6680.5	73000.0	66319.5	291		0		
Repsol to101	2048.5	61.5	1987.0	18131.4	16144.4	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTPCL	4856.5	77.2	4779.3	6907.0	2127.7	0	6976	0	6976	1.4364
PNGTS2RT101	4779.3	71.7	4707.6	6803.4	2095.8	0		0		
Total		398.0				2456				

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z 15-Nov-2017
Report 1z 09:40:37

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost		Injection Cost	1001	Transportation Cost	47694	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	966	Other Variable Cost	0	System Served	229.59
Other Variable Cost	1941	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable		Total Variable	1967	Total Variable	47694		
Demand/Reservation Co		Demand Cost		Demand Cost			
Other Fixed Cost	14684	Other Fixed Cost	20435	Other Fixed Cost	0		
Total Fixed		Total Fixed		Total Fixed			
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost		Net Storage Cost		Net Trans Cost		Total Gas Cost	2800530
						Total Revenue	0
						Net Cost	2800530

Avg Cost of Served Demand 6.733 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.619 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0
Total	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	47949.8	383500.0	335550.2			3.1838	152665	0	152665	3.1838
ENGNiagara	24083.2	24528.7	445.5			2.5610	61676	0	61676	2.5610
ENGPNGTS	6396.6	7670.0	1273.4			3.4557	22105	0	22105	3.4557
ENG3Winter	1127.8	1926.6	798.8			15.6717	17674	0	17674	15.6717
ENG-Z4	140170.2	140539.9	369.7			2.4167	338753	0	338753	2.4167
DLiqWinter	1059.9	1250.0	190.1							
Dracut 20	41669.0	154934.0	113265.0			6.0853	253569	0	253569	6.0853
ENG3Summer	1428.6	1962.6	534.1			10.3915	14845	0	14845	10.3915
DLiqSummer	441.0	441.0	0.0							

Alternative Case Sensitivity

- Draw 0

Ventyx

SENDOUT® Version 14.1.1 REP 1z 15-Nov-2017
Report 1z (Continued) 09:40:37

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	15174.3	46020.0	30845.7			3.2345	49081	0	49081	3.2345
DAWN	77052.5	123491.2	46438.6			3.2182	247968	0	247968	3.2182
Repsol 40	34823.7	34823.7	0.0							
Dracut 30	19205.2	230100.0	210894.8			6.4780	124411	0	124411	6.4780
Engie Combo	13230.0	13230.0	0.0							
Total	423811.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	2458.9	2459.5	0	0.0	12	95	0.0	-1	126	117	-9
ENGPropane	77	100	2556.3	2556.3	0	0.0	77	100	0.0	0	953	1161	208
ENGFSMA	1482	95	37181.0	36783.1	0	397.8	1482	95	0.0	0	2573	4083	1511
ENGDominion	103	100	2297.0	2252.2	0	44.8	103	100	0.0	0	178	288	110
ENGNGF	671	100	15133.3	15013.7	0	119.6	671	100	118.6	0	1164	1874	709
ENGHON	246	100	4970.7	4970.7	0	0.0	246	100	0.0	0	427	672	245
Total	2591	97	64597.1	64035.6	0	562.2	2591	97	118.6	-1	5422	8195	2774

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPProd	47949.8	0.0	47949.8	165641.3	117691.5	0	105908	0	105908	2.2087
ENGTGP2Stg	2145.1	43.8	2101.2	165641.3	163540.1	552	0	0	552	0.2572
ENGTGPLong	126326.0	0.0	126326.0	182768.0	56441.9	0	0	0	0	0.0000
ENGTGPBND	24083.2	149.3	23933.8	23945.7	11.9	2056	5614	0	7670	0.3185
ENGTGPShort	58901.1	500.7	58400.4	215642.1	157241.6	6634	56441	0	63075	1.0709
TrCanCharges	15001.5	172.5	14829.0	31040.5	16211.5	0	14649	0	14649	0.9765
IroqCharges	14829.0	91.9	14737.0	31040.5	16303.4	1316	13435	0	14751	0.9947
ENGPNGTS	6396.6	64.0	6332.6	7670.0	1337.4	11	6548	0	6559	1.0255
ENGLNG	2459.5	0.0	2459.5	181871.0	179411.5	0	0	0	0	0.0000
ENGPropane	2556.3	0.0	2556.3	133210.0	130653.7	0	0	0	0	0.0000
ENG3Truck	2556.3	0.0	2556.3	92040.0	89483.7	2556	0	0	2556	1.0000
Dracut 30	51479.2	108.1	51371.1	230100.0	178728.9	2235	92155	0	94390	1.8335
UnionCharges	15174.3	172.8	15001.5	31040.5	16039.0	0	2940	0	2940	0.1938
Dracut 20	11653.8	24.5	11629.3	153400.0	141770.7	506	23807	0	24313	2.0863

Alternative Case Sensitivity
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z 15-Nov-2017
Report 1z (Continued) 09:40:37

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	45804.7	1276.6	44528.1	191750.0	147221.9	13630	0	0	13630	0.2976
Z4toTGPLH	82499.2	701.2	81797.9	161070.0	79272.1	9292	0	0	9292	0.1126
Z4toStg	57671.0	190.3	57480.7	165641.3	108160.7	2857	0	0	2857	0.0495
Engie2CG	12272.0	34.4	12237.7	22232.0	9994.3	410	0	0	410	0.0334
GranBrdgPL	106209.7	223.0	105986.7	1241800.0	1135813.3	4610		0		
Repsol to101	34823.7	1044.7	33779.0	308432.0	274653.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	1190767.5	1190767.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	61360.0	61360.0	0	0	0	0	0.0000
Engie2ENGLNG	958.0	0.0	958.0	1050.0	92.0	958	0	0	958	1.0000
Dawn2Dracut	2330.8	72.0	2258.7	4098.3	1839.5	70		0		
DAWNTCPL	74721.8	1188.1	73533.7	117494.5	43960.8	0	118593	0	118593	1.5871
PNGTS2RT101	73533.7	1103.0	72430.7	115732.1	43301.4	0		0		
Total		7161.1				47694				

Alternative Case Sensitivity
 - Draw 0

Ventyx
 SENDOUT® Version 14.1.1 REP 1X
 Report 1X

RESOURCE MIX RESULTS

Units: MDT

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	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Supplies	DAWN	NOV 2021	OCT 2038	0.00	150.00	19.23
	Repsol 40	NOV 2021	OCT 2038	0.00	150.00	51.21
	Engie Combo	NOV 2022	OCT 2038	0.00	7.00	7.00

	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Segments	Repsol to101	NOV 2021	OCT 2038	0.00	150.00	49.67
	Repsol2Drac	NOV 2017	OCT 2038	0.00	50.00	0.00
	Dawn2Dracut	NOV 2021	OCT 2038	0.00	150.00	0.00
	DAWNTCPL	NOV 2021	OCT 2038	0.00	150.00	18.92
	PNGTS2RT101	NOV 2021	OCT 2038	0.00	150.00	18.64

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Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:19:19

NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2133	JAN 19, 2018	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	156.82
Other Variable Cost	339	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	156.82
Total Variable	████	Total Variable	94	Total Variable	2133		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85257
						Total Revenue	0
						Net Cost	85257

Avg Cost of Served Demand 5.453 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.167 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0	
Total	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2331.2	18250.0	15918.8			3.0161	7031	0	7031	3.0161
ENGNiagara	1146.6	1167.3	20.6			2.3679	2715	0	2715	2.3679
ENGPNGTS	156.0	365.0	209.0			4.1356	645	0	645	4.1356
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6592.1	6690.4	98.3			2.3200	15294	0	15294	2.3200
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2660.5	7373.0	4712.5			6.4817	17244	0	17244	6.4817
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case with 1.2 BCF Tank
- Draw 0

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Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	754.8	2190.0	1435.2			3.1759	2397	0	2397	3.1759
DAWN	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1148.3	10950.0	9801.7			7.3044	8387	0	8387	7.3044
Engie Combo	630.0	630.0	0.0							
Total	15851.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	321.0	321.6	0	0.0	12	95	0.0	-1	126	102	-24
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	953	1043	90
ENGFSMA	1482	95	1774.0	1739.4	0	19.0	1498	96	0.0	16	2573	3510	938
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	178	243	65
ENGNGFG	671	100	725.3	719.6	0	5.7	671	100	5.7	0	1164	1599	435
ENGHON	246	100	236.9	236.9	0	0.0	246	100	0.0	0	427	552	125
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2591	N/A	3326.8	3285.0	0	26.8	2606	N/A	5.7	15	5422	7049	1628

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2331.2	0.0	2331.2	7882.5	5551.4	0	5043	0	5043	2.1634
ENGTGP2Stg	107.8	2.2	105.6	7882.5	7777.0	28	0	0	28	0.2572
ENGTGPLong	5972.4	0.0	5972.4	8698.1	2725.7	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2796.9	23.8	2773.1	10262.0	7488.9	315	2688	0	3003	1.0736
TrCanCharges	746.2	8.6	737.6	1477.2	739.6	0	698	0	698	0.9349
IroqCharges	737.6	4.6	733.0	1477.2	744.1	65	640	0	705	0.9561
ENGPNGTS	156.0	1.6	154.4	365.0	210.6	0	312	0	312	2.0004
ENGLNG	321.6	0.0	321.6	8654.9	8333.2	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3035.8	6.4	3029.4	10950.0	7920.6	132	4388	0	4520	1.4890
UnionCharges	754.8	8.6	746.2	1477.2	731.0	0	140	0	140	0.1855

Base Case with 1.2 BCF Tank

- Draw 0

Ventyx

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NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	773.0	1.6	771.4	7300.0	6528.6	34	1134	0	1167	1.5100
ENGTGPZ4	2223.4	62.0	2161.4	9125.0	6963.6	662	0	0	662	0.2976
Z4toTGPLH	3843.6	32.7	3810.9	7665.0	3854.1	433	0	0	433	0.1126
Z4toStg	2748.5	9.1	2739.4	7882.5	5143.1	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		169.7				2133	15309		17442	0.6089

Base Case with 1.2 BCF Tank
- Draw 0

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Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2164	JAN 19, 2019	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	160.99
Other Variable Cost	342	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	160.99
Total Variable	████	Total Variable	94	Total Variable	2164		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2660	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85674
						Total Revenue	0
						Net Cost	85674

Avg Cost of Served Demand 5.330 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.006 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0
Total	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2334.7	18250.0	15915.3			2.9106	6795	0	6795	2.9106
ENGNiagara	1146.6	1167.3	20.6			2.1649	2482	0	2482	2.1649
ENGPNGTS	224.4	365.0	140.6			3.5436	795	0	795	3.5436
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6620.4	6690.4	70.0			2.1145	13999	0	13999	2.1145
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2662.5	7373.0	4710.5			6.5042	17317	0	17317	6.5042
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	766.8	2190.0	1423.2			2.9503	2262	0	2262	2.9503
DAWN	344.3	651.2	306.9			2.9377	1011	0	1011	2.9377
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1128.7	10950.0	9821.3			7.3878	8339	0	8339	7.3878
Engie Combo	630.0	630.0	0.0							
Total	16290.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	102	99	-3
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3510	3141	-369
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	243	222	-21
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1599	1433	-166
ENGHON	246	100	235.7	235.7	0	0.0	246	100	0.0	0	552	518	-34
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3323.7	3296.8	0	26.8	2606	N/A	5.6	0	7049	6456	-593

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2334.7	0.0	2334.7	7882.5	5547.9	0	5043	0	5043	2.1602
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6007.0	0.0	6007.0	8698.1	2691.1	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2809.3	23.9	2785.5	10262.0	7476.5	316	2688	0	3004	1.0693
TrCanCharges	758.1	8.7	749.4	1477.2	727.8	0	698	0	698	0.9202
IroqCharges	749.4	4.6	744.7	1477.2	732.4	67	640	0	706	0.9425
ENGPNGTS	224.4	2.2	222.2	365.0	142.8	0	312	0	312	1.3913
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3412.9	7.2	3405.7	10950.0	7544.3	148	4388	0	4536	1.3292
UnionCharges	766.8	8.7	758.1	1477.2	719.1	0	140	0	140	0.1826

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	711.9	1.5	710.4	7300.0	6589.6	31	1134	0	1165	1.6358
ENGTGPZ4	2228.3	62.1	2166.2	9125.0	6958.8	663	0	0	663	0.2976
Z4toTGPLH	3873.7	32.9	3840.8	7665.0	3824.2	436	0	0	436	0.1126
Z4toStg	2746.7	9.1	2737.6	7882.5	5144.9	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	344.3	10.6	333.7	651.2	317.5	10		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		182.5				2164				

Base Case with 1.2 BCF Tank
- Draw 0

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NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2199	JAN 19, 2020	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	164.64
Other Variable Cost	346	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	164.64
Total Variable	████	Total Variable	94	Total Variable	2199		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2686	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	86778
						Total Revenue	0
						Net Cost	86778

Avg Cost of Served Demand 5.235 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.842 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0	
Total	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2324.1	18300.0	15975.9			2.7954	6497	0	6497	2.7954
ENGNiagara	1144.7	1170.5	25.8			2.1355	2444	0	2444	2.1355
ENGPNGTS	277.9	366.0	88.1			3.2830	912	0	912	3.2830
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6657.9	6698.7	40.8			1.9745	13146	0	13146	1.9745
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2674.3	7393.2	4718.9			6.4551	17263	0	17263	6.4551
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	756.8	2196.0	1439.2			2.8586	2163	0	2163	2.8586
DAWN	898.0	1622.1	724.1			2.8309	2542	0	2542	2.8309
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1013.4	10980.0	9966.6			7.3555	7454	0	7454	7.3555
Engie Combo	630.0	630.0	0.0							
Total	16808.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	99	97	-2
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3141	2992	-149
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	222	211	-11
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1433	1362	-71
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	518	492	-26
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3322.5	3295.6	0	26.8	2606	N/A	5.6	0	6456	6197	-259

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2324.1	0.0	2324.1	7904.1	5580.1	0	5043	0	5043	2.1700
ENGTGP2Stg	106.4	2.2	104.2	7904.1	7800.0	27	0	0	27	0.2572
ENGTGPLong	6035.0	0.0	6035.0	8719.7	2684.6	0	0	0	0	0.0000
ENGTGPBND	1144.7	7.1	1137.6	1142.7	5.1	98	267	0	365	0.3189
ENGTGPShort	2808.2	23.9	2784.3	10290.1	7505.8	316	2688	0	3004	1.0697
TrCanCharges	748.2	8.6	739.6	1481.2	741.6	0	698	0	698	0.9324
IroqCharges	739.6	4.6	735.0	1481.2	746.2	66	640	0	705	0.9538
ENGPNGTS	277.9	2.8	275.2	366.0	90.8	0	312	0	312	1.1236
ENGLNG	321.0	0.0	321.0	8678.6	8357.6	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6370.0	6209.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4392.0	4231.2	161	0	0	161	1.0000
Dracut 30	3685.9	7.7	3678.2	10980.0	7301.8	160	4388	0	4548	1.2340
UnionCharges	756.8	8.6	748.2	1481.2	733.0	0	140	0	140	0.1850

Base Case with 1.2 BCF Tank
- Draw 0

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SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	872.0	1.8	870.1	7320.0	6449.9	38	1134	0	1172	1.3436
ENGTGPZ4	2217.7	61.8	2155.9	9150.0	6994.1	660	0	0	660	0.2976
Z4toTGPLH	3912.4	33.3	3879.1	7686.0	3806.9	441	0	0	441	0.1126
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1064.0	485.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	898.0	27.7	870.2	1622.1	751.9	27		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		200.8				2199				

Base Case with 1.2 BCF Tank
- Draw 0

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SENDOUT® Version 14.1.1 REP 1
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Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2220	JAN 19, 2021	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	168.93
Other Variable Cost	349	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	168.93
Total Variable	████	Total Variable	94	Total Variable	2220		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2711	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	89720
						Total Revenue	0
						Net Cost	89720

Avg Cost of Served Demand 5.277 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.893 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0	
Total	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2314.5	18250.0	15935.5			2.8137	6512	0	6512	2.8137
ENGNiagara	1143.1	1167.3	24.1			2.1441	2451	0	2451	2.1441
ENGPNGTS	291.5	365.0	73.5			3.2469	947	0	947	3.2469
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6660.4	6690.4	30.0			1.9829	13207	0	13207	1.9829
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2597.8	7373.0	4775.2			6.4105	16653	0	16653	6.4105
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case with 1.2 BCF Tank
- Draw 0

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Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	761.3	2190.0	1428.7			2.8564	2174	0	2174	2.8564
DAWN	1088.5	1825.0	736.5			2.8117	3061	0	3061	2.8117
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1321.6	10950.0	9628.4			7.5090	9924	0	9924	7.5090
Engie Combo	630.0	630.0	0.0							
Total	17240.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	97	98	0
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	2992	3017	25
ENGDominion	103	100	108.5	106.4	0	2.1	103	100	0.0	0	211	212	1
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1362	1373	11
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	492	491	-1
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3320.1	3293.3	0	26.8	2606	N/A	5.6	0	6197	6234	37

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2314.5	0.0	2314.5	7882.5	5568.0	0	5043	0	5043	2.1790
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6030.6	0.0	6030.6	8698.1	2667.5	0	0	0	0	0.0000
ENGTGPBND	1143.1	7.1	1136.0	1139.5	3.5	98	267	0	365	0.3192
ENGTGPShort	2805.8	23.8	2782.0	10262.0	7480.0	316	2688	0	3004	1.0705
TrCanCharges	752.6	8.7	743.9	1477.2	733.2	0	698	0	698	0.9269
IroqCharges	743.9	4.6	739.3	1477.2	737.8	66	640	0	706	0.9487
ENGPNGTS	291.5	2.9	288.6	365.0	76.4	1	312	0	312	1.0714
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	4092.2	8.6	4083.6	10950.0	6866.4	178	4388	0	4566	1.1158
UnionCharges	761.3	8.7	752.6	1477.2	724.6	0	140	0	140	0.1839

Base Case with 1.2 BCF Tank
- Draw 0

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Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	882.0	1.9	880.2	7300.0	6419.8	38	1134	0	1172	1.3287
ENGTPZ4	2208.1	61.5	2146.6	9125.0	6978.4	657	0	0	657	0.2976
Z4toTGPLH	3917.3	33.3	3884.0	7665.0	3781.0	441	0	0	441	0.1126
Z4toStg	2743.1	9.1	2734.1	7882.5	5148.5	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	1088.5	33.6	1054.8	1825.0	770.2	33		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		207.6				2220				

Base Case with 1.2 BCF Tank
- Draw 0

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NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	121	Transportation Cost	2223	JAN 19, 2022	
Penalty Cost	0	Withdrawal Cost	48	Other Variable Cost	0	System Served	173.92
Other Variable Cost	325	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	173.92
Total Variable	████	Total Variable	169	Total Variable	2223		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2643	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	124222
						Total Revenue	0
						Net Cost	124222

Avg Cost of Served Demand 7.087 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.640 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0
Total	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2280.5	18250.0	15969.5			2.8418	6481	0	6481	2.8418
ENGNiagara	1146.6	1167.3	20.6			2.1909	2512	0	2512	2.1909
ENGPNGTS	330.0	365.0	35.0			3.1691	1046	0	1046	3.1691
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6690.4	6690.4	0.0			2.0466	13693	0	13693	2.0466
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2287.4	7373.0	5085.6			6.7234	15379	0	15379	6.7234
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	720.2	2190.0	1469.8			2.8906	2082	0	2082	2.8906

Base Case with 1.2 BCF Tank
- Draw 0

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NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	3990.8	4581.5	590.7			2.7569	11002	0	11002	2.7569
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	756.4	10950.0	10193.6			8.2346	6228	0	6228	8.2346
Engie Combo	630.0	630.0	0.0							
Total	19174.1									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	332.9	332.3	0	0.0	13	100	0.0	1	98	70	-28
ENGPropane	77	100	91.7	168.5	0	0.0	0	0	0.0	-77	1043	160	-883
ENGFSMA	1498	96	1760.2	1741.4	0	18.8	1498	96	0.0	0	3017	3118	101
ENGDominion	103	100	108.1	106.0	0	2.1	103	100	0.0	0	212	219	7
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1373	1418	45
ENGHON	246	100	235.2	235.2	0	0.0	246	100	0.0	0	491	505	14
GranBrdgLNG	0	N/A	1609.8	221.5	0	146.3	1242	100	2.2	1242	0	2969	2969
Total	2606	N/A	4858.9	3520.1	0	173.0	3772	141	7.9	1166	6234	8459	2225

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPPProd	2280.5	0.0	2280.5	7882.5	5602.0	0	5043	0	5043	2.2115
ENG TGP2Stg	94.1	1.9	92.2	7882.5	7790.4	24	0	0	24	0.2572
ENG TGPLong	6041.0	0.0	6041.0	8698.1	2657.1	0	0	0	0	0.0000
ENG TGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENG TGPShort	2792.1	23.7	2768.4	10262.0	7493.6	314	2688	0	3002	1.0752
TrCanCharges	712.0	8.2	703.8	1477.2	773.4	0	698	0	698	0.9798
IroqCharges	703.8	4.4	699.4	1477.2	777.7	62	640	0	702	0.9978
ENG PNGTS	330.0	3.3	326.7	365.0	38.3	1	312	0	312	0.9467
ENGLNG	332.3	0.0	332.3	8654.9	8322.6	0	0	0	0	0.0000
ENGPropane	168.5	0.0	168.5	6335.0	6166.5	0	0	0	0	0.0000
ENG C3Truck	91.7	0.0	91.7	4380.0	4288.3	92	0	0	92	1.0000
Dracut 30	2598.0	5.5	2592.5	10950.0	8357.5	113	4388	0	4501	1.7325
UnionCharges	720.2	8.2	712.0	1477.2	765.2	0	140	0	140	0.1944
Dracut 20	445.8	0.9	444.9	7300.0	6855.1	19	1134	0	1153	2.5864

Base Case with 1.2 BCF Tank
- Draw 0

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NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2186.4	60.9	2125.5	9125.0	6999.5	651	0	0	651	0.2976
Z4toTGPLH	3949.1	33.6	3915.5	7665.0	3749.5	445	0	0	445	0.1126
Z4toStg	2741.3	9.0	2732.3	7882.5	5150.3	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	4054.3	8.5	4045.8	73000.0	68954.2	176		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	186.3	0.5	185.8	56666.3	56480.4	6	0	0	6	0.0324
LNGtoLNG	32.9	0.0	32.9	2920.0	2887.1	16	0	0	16	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3990.8	63.5	3927.4	4508.7	581.3	0	4554	0	4554	1.1411
PNGTS2RT101	3927.4	58.9	3868.4	4441.1	572.6	0		0		
Total		299.8				2223				

Base Case with 1.2 BCF Tank
- Draw 0

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SENDOUT® Version 14.1.1 REP 1
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Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	144	Transportation Cost	2293	JAN 19, 2023	
Penalty Cost	0	Withdrawal Cost	65	Other Variable Cost	0	System Served	179.38
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	179.38
Total Variable	████	Total Variable	209	Total Variable	2293		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	121043
						Total Revenue	0
						Net Cost	121043

Avg Cost of Served Demand 6.698 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.030 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0
Total	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2287.3	18250.0	15962.7			2.8854	6600	0	6600		2.8854
ENGNiagara	1146.6	1167.3	20.6			2.2569	2588	0	2588		2.2569
ENGPNGTS	330.8	365.0	34.2			3.1814	1052	0	1052		3.1814
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6690.4	6690.4	0.0			2.1144	14146	0	14146		2.1144
Dracut 20	2123.3	7373.0	5249.7			5.0358	10693	0	10693		5.0358
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENG Dawn	728.2	2190.0	1461.8			2.9283	2133	0	2133		2.9283
DAWN	3983.3	4581.5	598.3			2.7956	11136	0	11136		2.7956

Base Case with 1.2 BCF Tank
- Draw 0

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NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1167.0	10950.0	9783.0			5.4781	6393	0	6393	5.4781
Engie Combo	166.7	166.7	0.0							
Total	18623.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	168.2	168.2	0	0.0	13	100	0.0	0	70	69	-1
ENGFSMA	1498	96	1762.9	1744.0	0	18.9	1498	96	0.0	0	3118	3217	100
ENGDominion	103	100	108.1	106.0	0	2.1	103	100	0.0	0	219	226	7
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1418	1463	45
ENGHON	246	100	236.4	236.4	0	0.0	246	100	0.0	0	505	522	17
GranBrdgLNG	1242	100	2126.7	1933.4	0	193.3	1242	100	19.3	0	2969	3068	98
Total	3772	98	5123.2	4903.2	0	220.0	3772	98	25.0	0	8459	8725	265

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2287.3	0.0	2287.3	7882.5	5595.2	0	5043	0	5043	2.2049
ENGTGP2Stg	96.2	2.0	94.2	7882.5	7788.3	25	0	0	25	0.2572
ENGTGPLong	6043.8	0.0	6043.8	8698.1	2654.3	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2796.0	23.8	2772.2	10262.0	7489.8	315	2688	0	3003	1.0739
TrCanCharges	720.0	8.3	711.7	1477.2	765.5	0	698	0	698	0.9689
IroqCharges	711.7	4.4	707.3	1477.2	769.9	63	640	0	703	0.9877
ENGPNGTS	330.8	3.3	327.5	365.0	37.5	1	312	0	312	0.9444
ENGLNG	168.2	0.0	168.2	8654.9	8486.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	2683.3	5.6	2677.7	10950.0	8272.3	116	4388	0	4505	1.6788
UnionCharges	728.2	8.3	720.0	1477.2	757.2	0	140	0	140	0.1923
Dracut 20	607.0	1.3	605.7	7300.0	6694.3	26	1134	0	1160	1.9111
ENGTGPZ4	2191.1	61.1	2130.1	9125.0	6994.9	652	0	0	652	0.2976
Z4toTGPLH	3947.3	33.6	3913.7	7665.0	3751.3	445	0	0	445	0.1126

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.1	9.1	2734.0	7882.5	5148.5	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	5651.9	11.9	5640.1	73000.0	67359.9	245		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1795.8	5.0	1790.8	56666.3	54875.5	58	0	0	58	0.0323
LNGtoLNG	118.2	0.0	118.2	2920.0	2801.8	59	0	0	59	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3983.3	63.3	3919.9	4508.7	588.8	0	4554	0	4554	1.1432
PNGTS2RT101	3919.9	58.8	3861.1	4441.1	579.9	0		0		
Total		307.1				2293				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	145	Transportation Cost	2329	JAN 19, 2024	
Penalty Cost	0	Withdrawal Cost	66	Other Variable Cost	0	System Served	184.43
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	184.43
Total Variable	████	Total Variable	211	Total Variable	2329		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	125255
						Total Revenue	0
						Net Cost	125255

Avg Cost of Served Demand 6.720 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.157 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0	
Total	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2303.6	18300.0	15996.4			2.9355	6762	0	6762	2.9355
ENGNiagara	1149.8	1170.5	20.7			2.3421	2693	0	2693	2.3421
ENGPNGTS	333.0	366.0	33.0			3.2251	1074	0	1074	3.2251
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6698.7	6698.7	0.0			2.2058	14776	0	14776	2.2058
Dracut 20	2225.0	7393.2	5168.2			5.1469	11452	0	11452	5.1469
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	834.3	2196.0	1361.7			2.9416	2454	0	2454	2.9416
DAWN	4014.3	4594.1	579.8			2.8532	11454	0	11454	2.8532

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1472.7	10980.0	9507.3			5.5957	8241	0	8241	5.5957
Engie Combo	166.7	166.7	0.0							
Total	19198.0									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	169.2	169.2	0	0.0	13	100	0.0	0	69	71	2
ENGFSMA	1498	96	1773.9	1754.9	0	19.0	1498	96	0.0	0	3217	3362	145
ENGDominion	103	100	108.7	106.6	0	2.1	103	100	0.0	0	226	235	10
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1463	1527	63
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	522	544	22
GranBrdgLNG	1242	100	2144.4	1949.4	0	194.9	1242	100	19.5	0	3068	3196	128
Total	3772	98	5151.6	4929.8	0	221.7	3772	98	25.1	0	8725	9094	369

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPPProd	2303.6	0.0	2303.6	7904.1	5600.5	0	5043	0	5043	2.1893	
ENGTGP2Stg	103.7	2.1	101.6	7904.1	7802.6	27	0	0	27	0.2572	
ENGTGPLong	6058.2	0.0	6058.2	8719.7	2661.5	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2805.6	23.8	2781.7	10290.1	7508.4	316	2688	0	3004	1.0706	
TrCanCharges	824.8	9.5	815.3	1481.2	665.9	0	698	0	698	0.8457	
IroqCharges	815.3	5.1	810.3	1481.2	670.9	72	640	0	712	0.8734	
ENGPNGTS	333.0	3.3	329.7	366.0	36.3	1	312	0	312	0.9382	
ENGLNG	169.2	0.0	169.2	8678.6	8509.4	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	2885.8	6.1	2879.8	10980.0	8100.2	125	4388	0	4514	1.5641	
UnionCharges	834.3	9.5	824.8	1481.2	656.4	0	140	0	140	0.1678	
Dracut 20	811.8	1.7	810.1	7320.0	6509.9	35	1134	0	1169	1.4398	
ENGTGPZ4	2199.9	61.3	2138.6	9150.0	7011.4	655	0	0	655	0.2976	
Z4toTGPLH	3953.2	33.6	3919.6	7686.0	3766.4	445	0	0	445	0.1126	

Base Case with 1.2 BCF Tank
- Draw 0

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NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1064.0	947.7	4	0	0	4	0.0334
GranBrdgPL	5696.9	12.0	5685.0	73200.0	67515.0	247		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1810.8	5.1	1805.7	56821.5	55015.8	59	0	0	59	0.0323
LNGtoLNG	119.2	0.0	119.2	2928.0	2808.8	60	0	0	60	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	4014.3	63.8	3950.5	4521.1	570.6	0	4554	0	4554	1.1344
PNGTS2RT101	3950.5	59.3	3891.2	4453.2	562.0	0		0		
Total		312.7				2329				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	145	Transportation Cost	2346	JAN 19, 2025	
Penalty Cost	0	Withdrawal Cost	66	Other Variable Cost	0	System Served	188.86
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	188.86
Total Variable	████	Total Variable	211	Total Variable	2346		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	128955
						Total Revenue	0
						Net Cost	128955

Avg Cost of Served Demand 6.784 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.285 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0	
Total	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2292.5	18250.0	15957.5			3.0037	6886	0	6886	3.0037
ENGNiagara	1146.6	1167.3	20.6			2.4387	2796	0	2796	2.4387
ENGPNGTS	335.0	365.0	30.0			3.2764	1098	0	1098	3.2764
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.3072	15436	0	15436	2.3072
Dracut 20	2307.7	7373.0	5065.3			5.2226	12052	0	12052	5.2226
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	888.8	2190.0	1301.2			2.9903	2658	0	2658	2.9903
DAWN	4047.5	4581.5	534.0			2.9219	11826	0	11826	2.9219

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1696.9	10950.0	9253.1			5.7897	9825	0	9825	5.7897
Engie Combo	166.7	166.7	0.0							
Total	19572.1									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	172.2	172.2	0	0.0	13	100	0.0	0	71	73	2
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3362	3516	154
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	235	246	11
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1527	1598	71
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	544	568	24
GranBrdgLNG	1242	100	2149.3	1953.9	0	195.4	1242	100	19.5	0	3196	3337	142
Total	3772	98	5157.3	4935.2	0	222.2	3772	98	25.2	0	9094	9498	404

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPProd	2292.5	0.0	2292.5	7882.5	5590.0	0	5043	0	5043	2.1998	
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572	
ENGTGPLong	6041.4	0.0	6041.4	8698.1	2656.7	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPSShort	2803.4	23.8	2779.5	10262.0	7482.5	316	2688	0	3003	1.0714	
TrCanCharges	878.6	10.1	868.5	1477.2	608.6	0	698	0	698	0.7940	
IroqCharges	868.5	5.4	863.1	1477.2	614.0	77	640	0	717	0.8253	
ENGPNGTS	335.0	3.4	331.6	365.0	33.4	1	312	0	312	0.9326	
ENGLNG	172.2	0.0	172.2	8654.9	8482.7	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3029.6	6.4	3023.2	10950.0	7926.8	132	4388	0	4520	1.4919	
UnionCharges	888.8	10.1	878.6	1477.2	598.5	0	140	0	140	0.1575	
Dracut 20	975.0	2.0	973.0	7300.0	6327.0	42	1134	0	1176	1.2062	
ENGTGPZ4	2189.3	61.0	2128.3	9125.0	6996.7	651	0	0	651	0.2976	
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126	

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	5730.5	12.0	5718.5	73000.0	67281.5	249		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1812.2	5.1	1807.1	56666.3	54859.2	59	0	0	59	0.0323
LNGtoLNG	122.2	0.0	122.2	2920.0	2797.8	61	0	0	61	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4047.5	64.4	3983.1	4508.7	525.6	0	4554	0	4554	1.1251
PNGTS2RT101	3983.1	59.7	3923.4	4441.1	517.7	0		0		
Total		315.6				2346				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	146	Transportation Cost	2367	JAN 19, 2026	
Penalty Cost	0	Withdrawal Cost	66	Other Variable Cost	0	System Served	192.93
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	192.93
Total Variable	████	Total Variable	212	Total Variable	2367		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	133167
						Total Revenue	0
						Net Cost	133167

Avg Cost of Served Demand 6.858 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.426 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0	
Total	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2297.1	18250.0	15952.9			3.1048	7132	0	7132	3.1048
ENGNiagara	1146.6	1167.3	20.6			2.5483	2922	0	2922	2.5483
ENGPNGTS	337.0	365.0	28.0			3.3420	1126	0	1126	3.3420
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.4136	16148	0	16148	2.4136
Dracut 20	2368.0	7373.0	5005.0			5.3807	12741	0	12741	5.3807
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	903.2	2190.0	1286.8			3.0788	2781	0	2781	3.0788
DAWN	4128.4	4581.5	453.1			3.0067	12413	0	12413	3.0067

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1947.7	10950.0	9002.3			5.8963	11484	0	11484	5.8963
Engie Combo	166.7	166.7	0.0							
Total	19985.1									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	173.3	173.3	0	0.0	13	100	0.0	0	73	76	3
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3516	3669	154
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	246	257	11
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1598	1666	69
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	568	593	25
GranBrdgLNG	1242	100	2166.7	1969.7	0	197.0	1242	100	19.7	0	3337	3478	141
Total	3772	98	5175.7	4952.0	0	223.8	3772	98	25.3	0	9498	9899	401

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPProd	2297.1	0.0	2297.1	7882.5	5585.5	0	5043	0	5043	2.1955	
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572	
ENGTGPLong	6045.8	0.0	6045.8	8698.1	2652.3	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPSShort	2803.4	23.8	2779.5	10262.0	7482.5	316	2688	0	3003	1.0714	
TrCanCharges	892.9	10.3	882.7	1477.2	594.5	0	698	0	698	0.7812	
IroqCharges	882.7	5.5	877.2	1477.2	600.0	78	640	0	718	0.8135	
ENGPNGTS	337.0	3.4	333.6	365.0	31.4	1	312	0	312	0.9270	
ENGLNG	173.3	0.0	173.3	8654.9	8481.6	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3134.4	6.6	3127.8	10950.0	7822.2	136	4388	0	4524	1.4435	
UnionCharges	903.2	10.3	892.9	1477.2	584.2	0	140	0	140	0.1550	
Dracut 20	1181.2	2.5	1178.8	7300.0	6121.2	51	1134	0	1185	1.0032	
ENGTGPZ4	2193.9	61.1	2132.7	9125.0	6992.3	653	0	0	653	0.2976	
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126	

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	5823.5	12.2	5811.3	73000.0	67188.7	253		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1826.8	5.1	1821.7	56666.3	54844.6	59	0	0	59	0.0323
LNGtoLNG	123.3	0.0	123.3	2920.0	2796.7	62	0	0	62	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4128.4	65.6	4062.8	4508.7	445.9	0	4554	0	4554	1.1030
PNGTS2RT101	4062.8	60.9	4001.8	4441.1	439.2	0		0		
Total		319.5				2367				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	147	Transportation Cost	2385	JAN 19, 2027	
Penalty Cost	0	Withdrawal Cost	66	Other Variable Cost	0	System Served	196.78
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	196.78
Total Variable	████	Total Variable	212	Total Variable	2385		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	136707
						Total Revenue	0
						Net Cost	136707

Avg Cost of Served Demand 6.908 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.536 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0	
Total	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2300.1	18250.0	15949.9			3.1974	7354	0	7354	3.1974
ENGNiagara	1146.6	1167.3	20.6			2.6165	3000	0	3000	2.6165
ENGPNGTS	343.0	365.0	22.0			3.4147	1171	0	1171	3.4147
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.4647	16490	0	16490	2.4647
Dracut 20	2461.1	7373.0	4911.9			5.4491	13411	0	13411	5.4491
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	916.2	2190.0	1273.8			3.1518	2888	0	2888	3.1518
DAWN	4194.4	4581.5	387.1			3.0658	12859	0	12859	3.0658

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2142.9	10950.0	8807.1			6.1027	13078	0	13078	6.1027
Engie Combo	166.7	166.7	0.0							
Total	20361.4									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	172.9	172.9	0	0.0	13	100	0.0	0	76	77	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3669	3712	42
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	257	260	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1666	1686	19
ENGHON	246	100	233.5	233.5	0	0.0	246	100	0.0	0	593	604	11
GranBrdgLNG	1242	100	2175.5	1977.7	0	197.8	1242	100	19.8	0	3478	3518	40
Total	3772	98	5186.5	4961.9	0	224.6	3772	98	25.4	0	9899	10016	117

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENG TGPPProd	2300.1	0.0	2300.1	7882.5	5582.5	0	5043	0	5043	2.1926
ENG TGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENG TGPLong	6046.5	0.0	6046.5	8698.1	2651.6	0	0	0	0	0.0000
ENG TGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENG TGPSHORT	2805.6	23.8	2781.7	10262.0	7480.2	316	2688	0	3004	1.0706
TrCanCharges	905.8	10.4	895.4	1477.2	581.8	0	698	0	698	0.7701
IroqCharges	895.4	5.6	889.8	1477.2	587.3	79	640	0	719	0.8033
ENG PNGTS	343.0	3.4	339.6	365.0	25.4	1	312	0	312	0.9109
ENGLNG	172.9	0.0	172.9	8654.9	8481.9	0	0	0	0	0.0000
ENG Propane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG C3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	3267.9	6.9	3261.1	10950.0	7688.9	142	4388	0	4530	1.3863
UnionCharges	916.2	10.4	905.8	1477.2	571.4	0	140	0	140	0.1528
Dracut 20	1336.1	2.8	1333.3	7300.0	5966.7	58	1134	0	1192	0.8919
ENG TG PZ4	2194.7	61.2	2133.5	9125.0	6991.5	653	0	0	653	0.2976
Z4toTG PLH	3946.5	33.5	3913.0	7665.0	3752.0	445	0	0	445	0.1126

Base Case with 1.2 BCF Tank
- Draw 0

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NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.9	9.1	2734.8	7882.5	5147.7	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	5895.7	12.4	5883.3	73000.0	67116.7	256		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1835.0	5.1	1829.9	56666.3	54836.4	59	0	0	59	0.0323
LNGtoLNG	122.9	0.0	122.9	2920.0	2797.1	61	0	0	61	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4194.4	66.7	4127.7	4508.7	381.0	0	4554	0	4554	1.0857
PNGTS2RT101	4127.7	61.9	4065.8	4441.1	375.3	0		0		
Total		322.8				2385				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	147	Transportation Cost	2409	JAN 19, 2028	
Penalty Cost	0	Withdrawal Cost	66	Other Variable Cost	0	System Served	199.95
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	199.95
Total Variable	████	Total Variable	213	Total Variable	2409		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	139693
						Total Revenue	0
						Net Cost	139693

Avg Cost of Served Demand 6.916 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.608 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0
Total	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2318.8	18300.0	15981.2			3.2294	7488	0	7488	3.2294
ENGNiagara	1149.8	1170.5	20.7			2.6436	3040	0	3040	2.6436
ENGPNGTS	344.8	366.0	21.2			3.4573	1192	0	1192	3.4573
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6698.7	6698.7	0.0			2.4899	16679	0	16679	2.4899
Dracut 20	2538.1	7393.2	4855.1			5.5654	14125	0	14125	5.5654
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	933.8	2196.0	1262.2			3.1805	2970	0	2970	3.1805
DAWN	4275.6	4594.1	318.5			3.0949	13233	0	13233	3.0949

Base Case with 1.2 BCF Tank
- Draw 0

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NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2349.8	10980.0	8630.2			6.1619	14480	0	14480	6.1619
Engie Combo	166.7	166.7	0.0							
Total	20776.2									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	171.5	171.5	0	0.0	13	100	0.0	0	77	78	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3712	3741	29
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	260	263	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1686	1707	21
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	604	612	8
GranBrdgLNG	1242	100	2184.0	1985.5	0	198.5	1242	100	19.9	0	3518	3552	34
Total	3772	98	5195.3	4969.9	0	225.4	3772	98	25.5	0	10016	10112	96

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPPProd	2318.8	0.0	2318.8	7904.1	5585.3	0	5043	0	5043	2.1749	
ENGTGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572	
ENGTGPLong	6071.3	0.0	6071.3	8719.7	2648.4	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2807.2	23.9	2783.4	10290.1	7506.7	316	2688	0	3004	1.0700	
TrCanCharges	923.1	10.6	912.5	1481.2	568.7	0	698	0	698	0.7557	
IroqCharges	912.5	5.7	906.9	1481.2	574.3	81	640	0	721	0.7898	
ENGPNGTS	344.8	3.4	341.4	366.0	24.6	1	312	0	312	0.9060	
ENGLNG	171.5	0.0	171.5	8678.6	8507.1	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	3448.8	7.2	3441.6	10980.0	7538.4	150	4388	0	4538	1.3158	
UnionCharges	933.8	10.6	923.1	1481.2	558.1	0	140	0	140	0.1499	
Dracut 20	1439.1	3.0	1436.1	7320.0	5883.9	62	1134	0	1196	0.8312	
ENGTGPZ4	2213.4	61.7	2151.7	9150.0	6998.3	659	0	0	659	0.2976	
Z4toTGPLH	3953.2	33.6	3919.6	7686.0	3766.4	445	0	0	445	0.1126	

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1064.0	947.7	4	0	0	4	0.0334
GranBrdgPL	5983.5	12.6	5970.9	73200.0	67229.1	260		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1844.1	5.2	1839.0	56821.5	54982.5	60	0	0	60	0.0323
LNGtoLNG	121.5	0.0	121.5	2928.0	2806.5	61	0	0	61	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4275.6	68.0	4207.7	4521.1	313.4	0	4554	0	4554	1.0651
PNGTS2RT101	4207.7	63.1	4144.5	4453.2	308.7	0		0		
Total		327.3				2409				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:19:19

NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	147	Transportation Cost	2418	JAN 19, 2029	
Penalty Cost	0	Withdrawal Cost	66	Other Variable Cost	0	System Served	203.49
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	203.49
Total Variable	████	Total Variable	212	Total Variable	2418		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	142203
						Total Revenue	0
						Net Cost	142203

Avg Cost of Served Demand 6.946 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.680 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0
Total	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2311.7	18250.0	15938.3			3.2606	7538	0	7538	3.2606
ENGNiagara	1146.6	1167.3	20.6			2.6691	3061	0	3061	2.6691
ENGPNGTS	344.0	365.0	21.0			3.4838	1198	0	1198	3.4838
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5143	16821	0	16821	2.5143
Dracut 20	2562.4	7373.0	4810.6			5.6606	14505	0	14505	5.6606
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDawn	942.9	2190.0	1247.1			3.2077	3025	0	3025	3.2077
DAWN	4322.3	4581.5	259.3			3.1229	13498	0	13498	3.1229

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:19:19

NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2564.1	10950.0	8385.9			6.2618	16056	0	16056	6.2618
Engie Combo	166.7	166.7	0.0							
Total	21051.2									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	170.9	170.9	0	0.0	13	100	0.0	0	78	78	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3741	3777	36
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	263	265	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1707	1726	19
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	612	616	4
GranBrdgLNG	1242	100	2175.4	1977.6	0	197.8	1242	100	19.8	0	3552	3585	33
Total	3772	98	5184.2	4959.7	0	224.6	3772	98	25.4	0	10112	10208	96

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2311.7	0.0	2311.7	7882.5	5570.8	0	5043	0	5043	2.1816	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6058.0	0.0	6058.0	8698.1	2640.1	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2805.5	23.8	2781.6	10262.0	7480.3	316	2688	0	3004	1.0706	
TrCanCharges	932.2	10.7	921.5	1477.2	555.7	0	698	0	698	0.7483	
IroqCharges	921.5	5.7	915.8	1477.2	561.4	82	640	0	722	0.7830	
ENGPNGTS	344.0	3.4	340.6	365.0	24.4	1	312	0	312	0.9082	
ENGLNG	170.9	0.0	170.9	8654.9	8484.0	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3559.6	7.5	3552.2	10950.0	7397.8	155	4388	0	4543	1.2762	
UnionCharges	942.9	10.7	932.2	1477.2	545.0	0	140	0	140	0.1485	
Dracut 20	1566.9	3.3	1563.6	7300.0	5736.4	68	1134	0	1202	0.7669	
ENGTGPZ4	2206.3	61.5	2144.8	9125.0	6980.2	657	0	0	657	0.2976	
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126	

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:19:19

NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	6021.6	12.6	6009.0	73000.0	66991.0	261		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1837.0	5.1	1831.8	56666.3	54834.4	59	0	0	59	0.0323
LNGtoLNG	120.9	0.0	120.9	2920.0	2799.1	60	0	0	60	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	4322.3	68.7	4253.6	4508.7	255.1	0	4554	0	4554	1.0536
PNGTS2RT101	4253.6	63.8	4189.8	4441.1	251.3	0		0		
Total		329.2				2418				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:19:19

NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	146	Transportation Cost	2433	JAN 19, 2030	
Penalty Cost	0	Withdrawal Cost	66	Other Variable Cost	0	System Served	206.79
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	206.79
Total Variable	████	Total Variable	212	Total Variable	2433		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	145027
						Total Revenue	0
						Net Cost	145027

Avg Cost of Served Demand 6.973 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.755 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0	
Total	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2317.6	18250.0	15932.4			3.2927	7631	0	7631	3.2927
ENGNiagara	1146.6	1167.3	20.6			2.6958	3091	0	3091	2.6958
ENGPNGTS	344.0	365.0	21.0			3.5186	1210	0	1210	3.5186
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5394	16990	0	16990	2.5394
Dracut 20	2633.6	7373.0	4739.4			5.7915	15253	0	15253	5.7915
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDAwn	962.1	2190.0	1227.9			3.2346	3112	0	3112	3.2346
DAWN	4371.1	4581.5	210.4			3.1525	13780	0	13780	3.1525

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2747.8	10950.0	8202.2			6.3459	17437	0	17437	6.3459
Engie Combo	166.7	166.7	0.0							
Total	21379.9									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	169.0	169.0	0	0.0	13	100	0.0	0	78	79	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3777	3822	45
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	265	268	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1726	1734	8
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	616	623	7
GranBrdgLNG	1242	100	2171.3	1973.9	0	197.4	1242	100	19.7	0	3585	3619	34
Total	3772	98	5178.2	4954.0	0	224.2	3772	98	25.4	0	10208	10305	97

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2317.6	0.0	2317.6	7882.5	5564.9	0	5043	0	5043	2.1761	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6063.7	0.0	6063.7	8698.1	2634.4	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2805.5	23.8	2781.6	10262.0	7480.3	316	2688	0	3004	1.0706	
TrCanCharges	951.1	10.9	940.2	1477.2	537.0	0	698	0	698	0.7335	
IroqCharges	940.2	5.8	934.3	1477.2	542.8	83	640	0	723	0.7692	
ENGPNGTS	344.0	3.4	340.6	365.0	24.4	1	312	0	312	0.9082	
ENGLNG	169.0	0.0	169.0	8654.9	8485.9	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3679.6	7.7	3671.9	10950.0	7278.1	160	4388	0	4548	1.2360	
UnionCharges	962.1	11.0	951.1	1477.2	526.1	0	140	0	140	0.1455	
Dracut 20	1701.8	3.6	1698.3	7300.0	5601.7	74	1134	0	1208	0.7096	
ENGTGPZ4	2212.2	61.7	2150.5	9125.0	6974.5	658	0	0	658	0.2976	
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126	

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:19:19

NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	6067.2	12.7	6054.4	73000.0	66945.6	263		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1835.2	5.1	1830.0	56666.3	54836.2	59	0	0	59	0.0323
LNGtoLNG	119.0	0.0	119.0	2920.0	2801.0	60	0	0	60	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	4371.1	69.5	4301.6	4508.7	207.1	0	4554	0	4554	1.0418
PNGTS2RT101	4301.6	64.5	4237.1	4441.1	203.9	0		0		
Total		332.1				2433				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:19:19

NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	146	Transportation Cost	2447	JAN 19, 2031	
Penalty Cost	0	Withdrawal Cost	66	Other Variable Cost	0	System Served	210.02
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	210.02
Total Variable	████	Total Variable	211	Total Variable	2447		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	147851
						Total Revenue	0
						Net Cost	147851

Avg Cost of Served Demand 7.004 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.830 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0	
Total	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2324.3	18250.0	15925.7			3.3253	7729	0	7729	3.3253
ENGNiagara	1146.6	1167.3	20.6			2.7228	3122	0	3122	2.7228
ENGPNGTS	342.0	365.0	23.0			3.5528	1215	0	1215	3.5528
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5648	17159	0	17159	2.5648
Dracut 20	2747.6	7373.0	4625.4			5.8739	16139	0	16139	5.8739
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDAwn	994.1	2190.0	1195.9			3.2586	3239	0	3239	3.2586
DAWN	4397.6	4581.5	183.9			3.1833	13999	0	13999	3.1833

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:19:19

NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2881.7	10950.0	8068.3			6.4908	18705	0	18705	6.4908
Engie Combo	166.7	166.7	0.0							
Total	21691.2									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	164.4	164.4	0	0.0	13	100	0.0	0	79	80	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3822	3860	38
ENGDominion	103	100	107.3	105.2	0	2.1	103	100	0.0	0	268	270	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1734	1750	16
ENGHON	246	100	232.2	232.2	0	0.0	246	100	0.0	0	623	630	7
GranBrdgLNG	1242	100	2160.0	1963.6	0	196.4	1242	100	19.6	0	3619	3653	34
Total	3772	98	5160.2	4937.1	0	223.1	3772	98	25.3	0	10305	10403	98

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2324.3	0.0	2324.3	7882.5	5558.2	0	5043	0	5043	2.1697
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENGTGPLong	6072.3	0.0	6072.3	8698.1	2625.8	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2803.4	23.8	2779.6	10262.0	7482.4	316	2688	0	3003	1.0713
TrCanCharges	982.8	11.3	971.5	1477.2	505.7	0	698	0	698	0.7098
IroqCharges	971.5	6.0	965.4	1477.2	511.7	86	640	0	726	0.7473
ENGPNGTS	342.0	3.4	338.6	365.0	26.4	1	312	0	312	0.9135
ENGLNG	164.4	0.0	164.4	8654.9	8490.5	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	3785.2	7.9	3777.3	10950.0	7172.7	164	4388	0	4553	1.2027
UnionCharges	994.1	11.3	982.8	1477.2	494.4	0	140	0	140	0.1408
Dracut 20	1844.2	3.9	1840.3	7300.0	5459.7	80	1134	0	1214	0.6582
ENGTGPZ4	2218.9	61.8	2157.1	9125.0	6967.9	660	0	0	660	0.2976
Z4toTGPLH	3948.8	33.6	3915.2	7665.0	3749.8	445	0	0	445	0.1126

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2741.6	9.0	2732.6	7882.5	5149.9	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	6087.3	12.8	6074.5	73000.0	66925.5	264		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1829.6	5.1	1824.5	56666.3	54841.8	59	0	0	59	0.0323
LNGtoLNG	114.4	0.0	114.4	2920.0	2805.6	57	0	0	57	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4397.6	69.9	4327.7	4508.7	181.0	0	4554	0	4554	1.0355
PNGTS2RT101	4327.7	64.9	4262.8	4441.1	178.3	0		0		
Total		334.5				2447				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	145	Transportation Cost	2467	JAN 19, 2032	
Penalty Cost	0	Withdrawal Cost	65	Other Variable Cost	0	System Served	212.97
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	212.97
Total Variable	████	Total Variable	210	Total Variable	2467		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	151132
						Total Revenue	0
						Net Cost	151132

Avg Cost of Served Demand 7.037 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.914 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0
Total	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2341.4	18300.0	15958.6			3.3590	7865	0	7865		3.3590
ENGNiagara	1149.8	1170.5	20.7			2.7509	3163	0	3163		2.7509
ENGPNGTS	353.0	366.0	13.0			3.6793	1299	0	1299		3.6793
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6698.7	6698.7	0.0			2.5910	17356	0	17356		2.5910
Dracut 20	2823.4	7393.2	4569.8			5.9995	16939	0	16939		5.9995
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENGDAwn	1031.1	2196.0	1164.9			3.2842	3386	0	3386		3.2842
DAWN	4434.4	4594.1	159.7			3.2153	14258	0	14258		3.2153

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3062.7	10980.0	7917.3			6.6273	20297	0	20297	6.6273
Engie Combo	166.7	166.7	0.0							
Total	22061.2									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	161.2	161.2	0	0.0	13	100	0.0	0	80	80	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3860	3898	38
ENGDominion	103	100	107.6	105.5	0	2.1	103	100	0.0	0	270	273	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1750	1768	18
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	630	636	6
GranBrdgLNG	1242	100	2141.2	1946.5	0	194.7	1242	100	19.5	0	3653	3688	34
Total	3772	98	5139.7	4918.3	0	221.4	3772	98	25.1	0	10403	10502	99

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2341.4	0.0	2341.4	7904.1	5562.7	0	5043	0	5043	2.1539	
ENGTGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572	
ENGTGPLong	6095.6	0.0	6095.6	8719.7	2624.1	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2804.9	23.8	2781.1	10290.1	7509.0	316	2688	0	3004	1.0708	
TrCanCharges	1019.4	11.7	1007.7	1481.2	473.5	0	698	0	698	0.6843	
IroqCharges	1007.7	6.2	1001.4	1481.2	479.8	89	640	0	729	0.7236	
ENGPNGTS	353.0	3.5	349.5	366.0	16.5	1	312	0	312	0.8851	
ENGLNG	161.2	0.0	161.2	8678.6	8517.4	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	3847.6	8.1	3839.6	10980.0	7140.4	167	4388	0	4555	1.1839	
UnionCharges	1031.1	11.7	1019.4	1481.2	461.8	0	140	0	140	0.1358	
Dracut 20	2038.5	4.3	2034.2	7320.0	5285.8	88	1134	0	1222	0.5996	
ENGTGPZ4	2236.0	62.3	2173.7	9150.0	6976.3	665	0	0	665	0.2976	
Z4toTGPLH	3955.6	33.6	3921.9	7686.0	3764.1	446	0	0	446	0.1126	

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.1	9.1	2734.1	7904.1	5170.1	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1064.0	947.7	4	0	0	4	0.0334
GranBrdgPL	6109.2	12.8	6096.4	73200.0	67103.6	265		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1815.8	5.1	1810.7	56821.5	55010.8	59	0	0	59	0.0323
LNGtoLNG	111.2	0.0	111.2	2928.0	2816.8	56	0	0	56	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	4434.4	70.5	4363.9	4521.1	157.1	0	4554	0	4554	1.0269
PNGTS2RT101	4363.9	65.5	4298.5	4453.2	154.8	0		0		
Total		337.9				2467				

Base Case with 1.2 BCF Tank
- Draw 0

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NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	144	Transportation Cost	2472	JAN 19, 2033	
Penalty Cost	0	Withdrawal Cost	65	Other Variable Cost	0	System Served	215.84
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	215.84
Total Variable	████	Total Variable	209	Total Variable	2472		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	153598
						Total Revenue	0
						Net Cost	153598

Avg Cost of Served Demand 7.085 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.989 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0
Total	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2330.9	18250.0	15919.1			3.3918	7906	0	7906		3.3918
ENGNiagara	1146.6	1167.3	20.6			2.7775	3185	0	3185		2.7775
ENGPNGTS	355.3	365.0	9.7			3.7323	1326	0	1326		3.7323
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6163	17504	0	17504		2.6163
Dracut 20	2836.7	7373.0	4536.3			6.1977	17581	0	17581		6.1977
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENGDAwn	1056.4	2190.0	1133.6			3.3092	3496	0	3496		3.3092
DAWN	4444.6	4581.5	136.9			3.2458	14427	0	14427		3.2458

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3233.3	10950.0	7716.7			6.6791	21595	0	21595	6.6791
Engie Combo	166.7	166.7	0.0							
Total	22261.0									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	161.9	161.9	0	0.0	13	100	0.0	0	80	81	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3898	3936	38
ENGDominion	103	100	106.4	104.3	0	2.1	103	100	0.0	0	273	275	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1768	1785	17
ENGHON	246	100	232.2	232.2	0	0.0	246	100	0.0	0	636	642	6
GranBrdgLNG	1242	100	2115.6	1923.3	0	192.3	1242	100	19.2	0	3688	3722	34
Total	3772	98	5112.5	4893.4	0	219.1	3772	98	24.9	0	10502	10601	99

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2330.9	0.0	2330.9	7882.5	5551.7	0	5043	0	5043	2.1637
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENGTGPLong	6079.5	0.0	6079.5	8698.1	2618.6	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2802.5	23.8	2778.7	10262.0	7483.3	316	2688	0	3003	1.0716
TrCanCharges	1044.4	12.0	1032.3	1477.2	444.8	0	698	0	698	0.6680
IroqCharges	1032.3	6.4	1025.9	1477.2	451.2	92	640	0	731	0.7085
ENGPNGTS	355.3	3.6	351.8	365.0	13.2	1	312	0	312	0.8793
ENGLNG	161.9	0.0	161.9	8654.9	8493.0	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	3959.0	8.3	3950.7	10950.0	6999.3	172	4388	0	4560	1.1518
UnionCharges	1056.4	12.0	1044.4	1477.2	432.8	0	140	0	140	0.1325
Dracut 20	2111.0	4.4	2106.5	7300.0	5193.5	92	1134	0	1225	0.5805
ENGTGPZ4	2225.5	62.0	2163.4	9125.0	6961.6	662	0	0	662	0.2976
Z4toTGPLH	3949.6	33.6	3916.1	7665.0	3748.9	445	0	0	445	0.1126

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2740.8	9.0	2731.7	7882.5	5150.8	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	6095.5	12.8	6082.7	73000.0	66917.3	265		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1792.2	5.0	1787.1	56666.3	54879.1	58	0	0	58	0.0323
LNGtoLNG	111.9	0.0	111.9	2920.0	2808.1	56	0	0	56	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	4444.6	70.7	4374.0	4508.7	134.7	0	4554	0	4554	1.0246
PNGTS2RT101	4374.0	65.6	4308.4	4441.1	132.7	0		0		
Total		338.9				2472				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:19:19

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	142	Transportation Cost	2486	JAN 19, 2034	
Penalty Cost	0	Withdrawal Cost	65	Other Variable Cost	0	System Served	218.83
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	218.83
Total Variable	████	Total Variable	207	Total Variable	2486		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	156762
						Total Revenue	0
						Net Cost	156762

Avg Cost of Served Demand 7.138 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.079 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0
Total	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2339.5	18250.0	15910.5			3.4256	8014	0	8014	3.4256
ENGNiagara	1146.6	1167.3	20.6			2.8053	3217	0	3217	2.8053
ENGPNGTS	354.9	365.0	10.1			3.7625	1335	0	1335	3.7625
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6425	17679	0	17679	2.6425
Dracut 20	3005.4	7373.0	4367.6			6.3257	19011	0	19011	6.3257
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1085.8	2190.0	1104.2			3.3358	3622	0	3622	3.3358
DAWN	4465.9	4581.5	115.7			3.2777	14638	0	14638	3.2777

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:19:19

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3286.8	10950.0	7663.2			6.8904	22648	0	22648	6.8904
Engie Combo	166.7	166.7	0.0							
Total	22542.0									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	163.2	163.2	0	0.0	13	100	0.0	0	81	82	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3936	3975	38
ENGDominion	103	100	106.1	104.0	0	2.1	103	100	0.0	0	275	278	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1785	1803	18
ENGHON	246	100	232.2	232.2	0	0.0	246	100	0.0	0	642	647	6
GranBrdgLNG	1242	100	2081.8	1892.5	0	189.3	1242	100	18.9	0	3722	3758	36
Total	3772	98	5079.7	4863.6	0	216.0	3772	98	24.6	0	10601	10703	102

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2339.5	0.0	2339.5	7882.5	5543.0	0	5043	0	5043	2.1557
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572
ENGTGPLong	6088.2	0.0	6088.2	8698.1	2609.9	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2802.2	23.8	2778.4	10262.0	7483.6	316	2688	0	3003	1.0718
TrCanCharges	1073.4	12.3	1061.1	1477.2	416.1	0	698	0	698	0.6499
IroqCharges	1061.1	6.6	1054.5	1477.2	422.6	94	640	0	734	0.6917
ENGPNGTS	354.9	3.5	351.3	365.0	13.7	1	312	0	312	0.8804
ENGLNG	163.2	0.0	163.2	8654.9	8491.6	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	4135.5	8.7	4126.8	10950.0	6823.2	180	4388	0	4568	1.1046
UnionCharges	1085.8	12.4	1073.4	1477.2	403.7	0	140	0	140	0.1289
Dracut 20	2156.7	4.5	2152.2	7300.0	5147.8	94	1134	0	1227	0.5691
ENGTGPZ4	2234.1	62.3	2171.9	9125.0	6953.1	665	0	0	665	0.2976
Z4toTGPLH	3950.0	33.6	3916.4	7665.0	3748.6	445	0	0	445	0.1126

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:19:19

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2740.4	9.0	2731.4	7882.5	5151.1	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	6084.4	12.8	6071.6	73000.0	66928.4	264		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1760.4	4.9	1755.4	56666.3	54910.8	57	0	0	57	0.0323
LNGtoLNG	113.2	0.0	113.2	2920.0	2806.8	57	0	0	57	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4465.9	71.0	4394.9	4508.7	113.8	0	4554	0	4554	1.0197
PNGTS2RT101	4394.9	65.9	4329.0	4441.1	112.1	0		0		
Total		341.0				2486				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	141	Transportation Cost	2496	JAN 19, 2035	
Penalty Cost	0	Withdrawal Cost	65	Other Variable Cost	0	System Served	221.63
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	221.63
Total Variable	████	Total Variable	205	Total Variable	2496		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	159876
						Total Revenue	0
						Net Cost	159876

Avg Cost of Served Demand 7.193 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.168 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0	
Total	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2341.1	18250.0	15908.9			3.4597	8100	0	8100	3.4597
ENGNiagara	1146.6	1167.3	20.6			2.8333	3249	0	3249	2.8333
ENGPNGTS	357.3	365.0	7.7			3.8182	1364	0	1364	3.8182
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6689	17856	0	17856	2.6689
Dracut 20	3038.5	7373.0	4334.5			6.4731	19668	0	19668	6.4731
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1115.0	2190.0	1075.0			3.3630	3750	0	3750	3.3630
DAWN	4485.2	4581.5	96.4			3.3099	14845	0	14845	3.3099

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3466.7	10950.0	7483.3			7.0468	24429	0	24429	7.0468
Engie Combo	166.7	166.7	0.0							
Total	22807.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	162.8	162.8	0	0.0	13	100	0.0	0	82	82	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3975	4014	39
ENGDominion	103	100	106.4	104.3	0	2.1	103	100	0.0	0	278	281	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1803	1820	18
ENGHON	246	100	231.0	231.0	0	0.0	246	100	0.0	0	647	654	6
GranBrdgLNG	1242	100	2050.4	1864.0	0	186.4	1242	100	18.6	0	3758	3794	35
Total	3772	98	5047.0	4833.8	0	213.2	3772	98	24.3	0	10703	10804	102

Transportation Summary											
	Total	Fuel							Cap Rel		Average
Segment	Flow	Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Revenue	Net Cost	Net Cost	
ENGTGPPProd	2341.1	0.0	2341.1	7882.5	5541.4	0	5043	0	5043	2.1542	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6090.7	0.0	6090.7	8698.1	2607.4	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2801.4	23.8	2777.6	10262.0	7484.4	316	2688	0	3003	1.0720	
TrCanCharges	1102.3	12.7	1089.6	1477.2	387.5	0	698	0	698	0.6328	
IroqCharges	1089.6	6.8	1082.9	1477.2	394.3	97	640	0	736	0.6759	
ENGPNGTS	357.3	3.6	353.8	365.0	11.2	1	312	0	312	0.8744	
ENGLNG	162.8	0.0	162.8	8654.9	8492.1	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4285.5	9.0	4276.5	10950.0	6673.5	186	4388	0	4574	1.0674	
UnionCharges	1115.0	12.7	1102.3	1477.2	374.9	0	140	0	140	0.1256	
Dracut 20	2219.7	4.7	2215.0	7300.0	5085.0	96	1134	0	1230	0.5541	
ENGTGPZ4	2235.7	62.3	2173.4	9125.0	6951.6	665	0	0	665	0.2976	
Z4toTGPLH	3950.8	33.6	3917.2	7665.0	3747.8	445	0	0	445	0.1126	

Base Case with 1.2 BCF Tank
- Draw 0

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NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2739.6	9.0	2730.5	7882.5	5152.0	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	6075.4	12.8	6062.7	73000.0	66937.3	264		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1732.6	4.9	1727.7	56666.3	54938.5	56	0	0	56	0.0323
LNGtoLNG	112.8	0.0	112.8	2920.0	2807.2	56	0	0	56	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	4485.2	71.3	4413.9	4508.7	94.8	0	4554	0	4554	1.0153
PNGTS2RT101	4413.9	66.2	4347.7	4441.1	93.4	0		0		
Total		342.8				2496				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
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Report 1 10:19:19

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	140	Transportation Cost	2515	JAN 19, 2036	
Penalty Cost	0	Withdrawal Cost	65	Other Variable Cost	0	System Served	224.15
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	224.15
Total Variable	████	Total Variable	205	Total Variable	2515		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	163575
						Total Revenue	0
						Net Cost	163575

Avg Cost of Served Demand 7.249 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.266 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0	
Total	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0	

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2355.7	18300.0	15944.3			3.4949	8233	0	8233		3.4949
ENGNiagara	1149.8	1170.5	20.7			2.8626	3291	0	3291		2.8626
ENGPNGTS	359.0	366.0	7.0			3.8700	1389	0	1389		3.8700
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6698.7	6698.7	0.0			2.6962	18061	0	18061		2.6962
Dracut 20	3150.4	7393.2	4242.8			6.6009	20795	0	20795		6.6009
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENGDAwn	1141.3	2196.0	1054.7			3.3933	3873	0	3873		3.3933
DAWN	4523.4	4594.1	70.7			3.3432	15123	0	15123		3.3432

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3601.1	10980.0	7378.9			7.2677	26172	0	26172	7.2677
Engie Combo	166.7	166.7	0.0							
Total	23146.0									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	162.4	162.4	0	0.0	13	100	0.0	0	82	83	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	4014	4050	36
ENGDominion	103	100	107.9	105.8	0	2.1	103	100	0.0	0	281	284	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1820	1841	21
ENGHON	246	100	228.6	228.6	0	0.0	246	100	0.0	0	654	661	7
GranBrdgLNG	1242	100	2036.6	1851.5	0	185.1	1242	100	18.5	0	3794	3830	36
Total	3772	98	5031.9	4820.0	0	211.9	3772	98	24.2	0	10804	10909	104

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2355.7	0.0	2355.7	7904.1	5548.5	0	5043	0	5043	2.1409
ENGTGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572
ENGTGPLong	6113.9	0.0	6113.9	8719.7	2605.8	0	0	0	0	0.0000
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179
ENGTGPShort	2800.5	23.8	2776.7	10290.1	7513.4	315	2688	0	3003	1.0724
TrCanCharges	1128.3	13.0	1115.4	1481.2	365.8	0	698	0	698	0.6182
IroqCharges	1115.4	6.9	1108.4	1481.2	372.8	99	640	0	739	0.6623
ENGPNGTS	359.0	3.6	355.4	366.0	10.6	1	312	0	312	0.8703
ENGLNG	162.4	0.0	162.4	8678.6	8516.2	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000
Dracut 30	4417.2	9.3	4408.0	10980.0	6572.0	192	4388	0	4580	1.0369
UnionCharges	1141.3	13.0	1128.3	1481.2	352.9	0	140	0	140	0.1227
Dracut 20	2334.2	4.9	2329.3	7320.0	4990.7	101	1134	0	1235	0.5291
ENGTGPZ4	2250.3	62.7	2187.6	9150.0	6962.4	670	0	0	670	0.2976
Z4toTGPLH	3960.0	33.7	3926.3	7686.0	3759.7	446	0	0	446	0.1126

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2738.7	9.0	2729.7	7904.1	5174.5	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1064.0	947.7	4	0	0	4	0.0334
GranBrdgPL	6100.5	12.8	6087.6	73200.0	67112.4	265		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1720.6	4.8	1715.8	56821.5	55105.7	56	0	0	56	0.0323
LNGtoLNG	112.4	0.0	112.4	2928.0	2815.6	56	0	0	56	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4523.4	71.9	4451.5	4521.1	69.6	0	4554	0	4554	1.0067
PNGTS2RT101	4451.5	66.8	4384.7	4453.2	68.5	0		0		
Total		345.8				2515				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	██████	Injection Cost	139	Transportation Cost	2518	JAN 19, 2037	
Penalty Cost	0	Withdrawal Cost	64	Other Variable Cost	0	System Served	226.86
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	226.86
Total Variable	██████	Total Variable	203	Total Variable	2518		
Demand/Reservation Co	██████	Demand Cost	██████	Demand Cost	██████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	██████	Total Fixed	██████	Total Fixed	██████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	██████	Net Storage Cost	██████	Net Trans Cost	██████	Total Gas Cost	166511
						Total Revenue	0
						Net Cost	166511

Avg Cost of Served Demand 7.322 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.360 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0	
Total	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2342.7	18250.0	15907.3			3.5292	8268	0	8268	3.5292
ENGNiagara	1146.6	1167.3	20.6			2.8903	3314	0	3314	2.8903
ENGPNGTS	359.1	365.0	5.9			3.9009	1401	0	1401	3.9009
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.7226	18215	0	18215	2.7226
Dracut 20	3197.3	7373.0	4175.7			6.7857	21696	0	21696	6.7857
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1176.0	2190.0	1014.0			3.4198	4022	0	4022	3.4198
DAWN	4518.8	4581.5	62.8			3.3755	15253	0	15253	3.3755

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3724.5	10950.0	7225.5			7.4359	27695	0	27695	7.4359
Engie Combo	166.7	166.7	0.0							
Total	23322.1									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	162.2	162.2	0	0.0	13	100	0.0	0	83	84	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	4050	4094	44
ENGDominion	103	100	108.5	106.4	0	2.1	103	100	0.0	0	284	286	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1841	1856	15
ENGHON	246	100	229.3	229.3	0	0.0	246	100	0.0	0	661	667	6
GranBrdgLNG	1242	100	2005.8	1823.5	0	182.3	1242	100	18.2	0	3830	3867	37
Total	3772	98	5002.3	4793.1	0	209.2	3772	98	23.9	0	10909	11013	105

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2342.7	0.0	2342.7	7882.5	5539.8	0	5043	0	5043	2.1527
ENGTGP2Stg	108.3	2.2	106.1	7882.5	7776.5	28	0	0	28	0.2572
ENGTGPLong	6091.7	0.0	6091.7	8698.1	2606.4	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2801.8	23.8	2778.0	10262.0	7484.0	316	2688	0	3003	1.0719
TrCanCharges	1162.6	13.4	1149.2	1477.2	327.9	0	698	0	698	0.6000
IroqCharges	1149.2	7.1	1142.1	1477.2	335.1	102	640	0	742	0.6454
ENGPNGTS	359.1	3.6	355.5	365.0	9.5	1	312	0	312	0.8701
ENGLNG	162.2	0.0	162.2	8654.9	8492.7	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	4498.3	9.4	4488.8	10950.0	6461.2	195	4388	0	4584	1.0190
UnionCharges	1176.0	13.4	1162.6	1477.2	314.6	0	140	0	140	0.1191
Dracut 20	2423.6	5.1	2418.5	7300.0	4881.5	105	1134	0	1239	0.5112
ENGTGPZ4	2234.5	62.3	2172.2	9125.0	6952.8	665	0	0	665	0.2976
Z4toTGPLH	3953.2	33.6	3919.5	7665.0	3745.5	445	0	0	445	0.1126

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:19:19

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2737.2	9.0	2728.2	7882.5	5154.3	136	0	0	136	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	6068.5	12.7	6055.8	73000.0	66944.2	263		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1693.1	4.7	1688.3	56666.3	54977.9	55	0	0	55	0.0323
LNGtoLNG	112.2	0.0	112.2	2920.0	2807.8	56	0	0	56	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	4518.8	71.8	4446.9	4508.7	61.8	0	4554	0	4554	1.0078
PNGTS2RT101	4446.9	66.7	4380.2	4441.1	60.9	0		0		
Total		346.4				2518				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	██████	Injection Cost	80	Transportation Cost	2462	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	64	Other Variable Cost	0	System Served	229.59
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable	██████	Total Variable	144	Total Variable	2462		
Demand/Reservation Co	██████	Demand Cost	██████	Demand Cost	██████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	██████	Total Fixed	██████	Total Fixed	██████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	██████	Net Storage Cost	██████	Net Trans Cost	██████	Total Gas Cost	166138
						Total Revenue	0
						Net Cost	166138

Avg Cost of Served Demand 7.221 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.549 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0
Total	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2356.1	18250.0	15893.9			3.5636	8396	0	8396	3.5636
ENGNiagara	1146.6	1167.3	20.6			2.9192	3347	0	3347	2.9192
ENGPNGTS	360.0	365.0	5.0			3.9416	1419	0	1419	3.9416
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.7498	18397	0	18397	2.7498
Dracut 20	3165.0	7373.0	4208.0			7.0874	22432	0	22432	7.0874
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	889.2	2190.0	1300.8			3.5319	3141	0	3141	3.5319
DAWN	3567.4	4581.5	1014.2			3.4586	12338	0	12338	3.4586

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:19:19

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3955.3	10950.0	6994.7			7.6177	30130	0	30130	7.6177
Engie Combo	166.7	166.7	0.0							
Total	22296.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	160.1	160.7	0	0.0	12	95	0.0	-1	84	83	-0
ENGFSMA	1498	96	1759.8	1756.5	0	18.8	1482	95	0.0	-16	4094	4084	-10
ENGDominion	103	100	104.9	102.9	0	2.0	103	100	0.0	0	286	289	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1856	1873	17
ENGHON	246	100	228.2	228.2	0	0.0	246	100	0.0	0	667	674	7
GranBrdgLNG	1242	100	720.9	1773.2	0	65.5	124	10	17.7	-1118	3867	397	-3470
Total	3772	98	3694.7	4736.7	0	92.1	2638	69	23.4	-1134	11013	7560	-3453

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2356.1	0.0	2356.1	7882.5	5526.5	0	5043	0	5043	2.1405	
ENGTGP2Stg	108.3	2.2	106.1	7882.5	7776.5	28	0	0	28	0.2572	
ENGTGPLong	6125.1	0.0	6125.1	8698.1	2573.0	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2797.1	23.8	2773.3	10262.0	7488.6	315	2688	0	3003	1.0735	
TrCanCharges	879.1	10.1	869.0	1477.2	608.2	0	698	0	698	0.7935	
IroqCharges	869.0	5.4	863.6	1477.2	613.6	77	640	0	717	0.8249	
ENGPNGTS	360.0	3.6	356.4	365.0	8.6	1	312	0	312	0.8679	
ENGLNG	160.7	0.0	160.7	8654.9	8494.2	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4597.6	9.7	4587.9	10950.0	6362.1	200	4388	0	4588	0.9979	
UnionCharges	889.2	10.1	879.1	1477.2	598.1	0	140	0	140	0.1575	
Dracut 20	2522.8	5.3	2517.5	7300.0	4782.5	110	1134	0	1243	0.4928	
ENGTGPZ4	2247.8	62.6	2185.1	9125.0	6939.9	669	0	0	669	0.2976	
Z4toTGPLH	3973.8	33.8	3940.0	7665.0	3725.0	448	0	0	448	0.1126	

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:19:19

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2716.6	9.0	2707.7	7882.5	5174.9	135	0	0	135	0.0495
Engie2CG	116.7	0.3	116.3	1057.0	940.7	4	0	0	4	0.0334
GranBrdgPL	5098.7	10.7	5088.0	73000.0	67912.0	221		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	1645.4	4.6	1640.8	56666.3	55025.5	53	0	0	53	0.0323
LNGtoLNG	110.1	0.0	110.1	2920.0	2809.9	55	0	0	55	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3567.4	56.7	3510.6	4508.7	998.1	0	4554	0	4554	1.2765
PNGTS2RT101	3510.6	52.7	3458.0	4441.1	983.1	0		0		
Total		307.7				2462				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z 15-Nov-2017
Report 1z 10:19:19

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	██████	Injection Cost	2556	Transportation Cost	49782	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	1276	Other Variable Cost	0	System Served	229.59
Other Variable Cost	1702	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable	██████	Total Variable	3832	Total Variable	49782		
Demand/Reservation Co	██████	Demand Cost	██████	Demand Cost	██████		
Other Fixed Cost	13335	Other Fixed Cost	20435	Other Fixed Cost	0		
Total Fixed	██████	Total Fixed	██████	Total Fixed	██████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	██████	Net Storage Cost	██████	Net Trans Cost	██████	Total Gas Cost	2809145
						Total Revenue	0
						Net Cost	2809145

Avg Cost of Served Demand 6.753 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.833 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0
Total	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	48745.5	383500.0	334754.5			3.1843	155218	0	155218	3.1843
ENGNiagara	24086.5	24528.7	442.2			2.5609	61683	0	61683	2.5609
ENGPNGTS	6832.2	7670.0	837.8			3.5445	24217	0	24217	3.5445
ENG3Winter	458.7	1926.6	1467.9			15.0000	6881	0	6881	15.0000
ENG-Z4	140300.8	140539.9	239.0			2.4166	339053	0	339053	2.4166
DLiqWinter	1250.0	1250.0	0.0							
Dracut 20	56066.1	154934.0	98867.9			6.1062	342351	0	342351	6.1062
ENG3Summer	276.4	1962.6	1686.2			10.0000	2764	0	2764	10.0000
DLiqSummer	84.0	84.0	0.0							

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z 15-Nov-2017
Report 1z (Continued) 10:19:19

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	19358.3	46020.0	26661.7			3.1835	61627	0	61627	3.1835
DAWN	74495.8	82034.8	7539.0			3.1236	232695	0	232695	3.1236
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	48669.4	230100.0	181430.6			6.7598	328996	0	328996	6.7598
Engie Combo	5816.7	5816.7	0.0							
Total	426440.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	4282.3	4282.9	0	0.0	12	95	0.0	-1	126	83	-43
ENGPropane	77	100	735.1	811.9	0	0.0	0	0	0.0	-77	953	160	-793
ENGFSMA	1482	95	37235.1	36836.6	0	398.4	1482	95	0.0	0	2573	4084	1511
ENGDominion	103	100	2266.7	2222.5	0	44.2	103	100	0.0	0	178	289	111
ENGNGFG	671	100	15142.6	15022.9	0	119.6	671	100	118.7	0	1164	1873	709
ENGHON	246	100	4894.8	4894.8	0	0.0	246	100	0.0	0	427	674	247
GranBrdgLNG	0	N/A	34215.5	30980.8	0	3110.5	124	10	309.8	124	0	397	397
Total	2591	N/A	98772.0	95052.5	0	3672.7	2638	99	428.5	47	5422	7560	2138

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	48745.5	0.0	48745.5	165641.3	116895.8	0	105908	0	105908	2.1727
ENGTGP2Stg	2197.8	44.9	2152.9	165641.3	163488.5	565	0	0	565	0.2572
ENGTGPLong	127271.8	0.0	127271.8	182768.0	55496.2	0	0	0	0	0.0000
ENGTGPBND	24086.5	149.3	23937.1	23945.7	8.6	2056	5614	0	7670	0.3184
ENGTGPShort	58858.2	500.3	58357.9	215642.1	157284.2	6629	56441	0	63071	1.0716
TrCanCharges	19137.8	220.1	18917.7	31040.5	12122.8	0	14649	0	14649	0.7655
IroqCharges	18917.7	117.3	18800.4	31040.5	12240.1	1679	13435	0	15114	0.7989
ENGPNGTS	6832.2	68.3	6763.8	7670.0	906.2	12	6548	0	6560	0.9602
ENGLNG	4282.9	0.0	4282.9	181871.0	177588.2	0	0	0	0	0.0000
ENGPropane	811.9	0.0	811.9	133210.0	132398.1	0	0	0	0	0.0000
ENG3Truck	735.1	0.0	735.1	92040.0	91304.9	735	0	0	735	1.0000
Dracut 30	76039.9	159.7	75880.2	230100.0	154219.8	3301	92155	0	95456	1.2553
UnionCharges	19358.3	220.5	19137.8	31040.5	11902.7	0	2940	0	2940	0.1519

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1z 15-Nov-2017
Report 1z (Continued) 10:19:19

NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	30954.3	65.0	30889.2	153400.0	122510.8	1344	23807	0	25151	0.8125
ENGTPZ4	46547.7	1297.3	45250.4	191750.0	146499.6	13851	0	0	13851	0.2976
Z4toTGPLH	82724.6	703.2	82021.4	161070.0	79048.6	9318	0	0	9318	0.1126
Z4toStg	57576.2	190.0	57386.2	165641.3	108255.1	2852	0	0	2852	0.0495
Engie2CG	4766.7	13.3	4753.3	22232.0	17478.7	159	0	0	159	0.0334
GranBrdgPL	98644.6	207.2	98437.4	1241800.0	1143362.6	4282		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	28772.8	80.6	28692.2	1190767.5	1162075.3	930	0	0	930	0.0323
LNGtoLNG	1898.3	0.0	1898.3	61360.0	59461.7	949	0	0	949	0.5000
Engie2ENGLNG	1050.0	0.0	1050.0	1050.0	0.0	1050	0	0	1050	1.0000
Dawn2Dracut	2330.8	72.0	2258.7	4098.3	1839.5	70		0		
DAWNTCPL	72165.1	1147.4	71017.6	76697.3	5679.7	0	77414	0	77414	1.0727
PNGTS2RT101	71017.6	1065.3	69952.4	75546.9	5594.5	0		0		
Total		6321.7				49782				

Base Case with 1.2 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1X 15-Nov-2017
Report 1X 10:19:19

RESOURCE MIX RESULTS

Units: MDT

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	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Supplies	DAWN	NOV 2021	OCT 2038	0.00	150.00	12.55
	Repsol 40	NOV 2021	OCT 2038	0.00	150.00	0.00
	Engie Combo	NOV 2022	OCT 2038	0.00	7.00	1.85

	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Segments	Repsol to101	NOV 2021	OCT 2038	0.00	150.00	0.00
	Repsol2Drac	NOV 2017	OCT 2038	0.00	50.00	0.00
	Dawn2Dracut	NOV 2021	OCT 2038	0.00	150.00	0.00
	DAWNTCPL	NOV 2021	OCT 2038	0.00	150.00	12.35
	PNGTS2RT101	NOV 2021	OCT 2038	0.00	150.00	12.17

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Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2133	JAN 19, 2018	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	156.82
Other Variable Cost	339	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	156.82
Total Variable	████	Total Variable	94	Total Variable	2133		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2634	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85257
						Total Revenue	0
						Net Cost	85257

Avg Cost of Served Demand 5.453 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.167 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0
Total	15634.1	0.0	15634.1	0.0	15634.1	15634.1	0.0	0	156.8	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2331.2	18250.0	15918.8			3.0161	7031	0	7031	3.0161
ENGNiagara	1146.6	1167.3	20.6			2.3679	2715	0	2715	2.3679
ENGPNGTS	156.0	365.0	209.0			4.1356	645	0	645	4.1356
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6592.1	6690.4	98.3			2.3200	15294	0	15294	2.3200
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2661.8	7373.0	4711.2			6.4797	17248	0	17248	6.4797
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:39:12

NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	754.8	2190.0	1435.2			3.1759	2397	0	2397	3.1759
DAWN	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1147.0	10950.0	9803.0			7.3098	8384	0	8384	7.3098
Engie Combo	630.0	630.0	0.0							
Total	15851.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	321.0	321.6	0	0.0	12	95	0.0	-1	126	102	-24
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	953	1043	90
ENGFSMA	1482	95	1774.0	1739.4	0	19.0	1498	96	0.0	16	2573	3510	937
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	178	243	65
ENGNGFG	671	100	725.3	719.6	0	5.7	671	100	5.7	0	1164	1600	436
ENGHON	246	100	236.9	236.9	0	0.0	246	100	0.0	0	427	551	124
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2591	N/A	3326.8	3285.0	0	26.8	2606	N/A	5.7	15	5422	7050	1628

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2331.2	0.0	2331.2	7882.5	5551.4	0	5043	0	5043	2.1634
ENGTGP2Stg	107.8	2.2	105.6	7882.5	7777.0	28	0	0	28	0.2572
ENGTGPLong	5972.4	0.0	5972.4	8698.1	2725.7	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2796.9	23.8	2773.1	10262.0	7488.9	315	2688	0	3003	1.0736
TrCanCharges	746.2	8.6	737.6	1477.2	739.6	0	698	0	698	0.9349
IroqCharges	737.6	4.6	733.0	1477.2	744.1	65	640	0	705	0.9561
ENGPNGTS	156.0	1.6	154.4	365.0	210.6	0	312	0	312	2.0004
ENGLNG	321.6	0.0	321.6	8654.9	8333.2	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	3034.5	6.4	3028.2	10950.0	7921.8	132	4388	0	4520	1.4895
UnionCharges	754.8	8.6	746.2	1477.2	731.0	0	140	0	140	0.1855

Base Case with 2.5 BCF Tank

- Draw 0

Ventyx

SENDOUT® Version 14.1.1

REP 1

15-Nov-2017

Report 1 (Continued)

10:39:12

NOV 2017 thru OCT 2018

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	774.2	1.6	772.6	7300.0	6527.4	34	1134	0	1167	1.5077
ENGTGPZ4	2223.4	62.0	2161.4	9125.0	6963.6	662	0	0	662	0.2976
Z4toTGPLH	3843.6	32.7	3810.9	7665.0	3854.1	433	0	0	433	0.1126
Z4toStg	2748.5	9.1	2739.4	7882.5	5143.1	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		169.7				2133	15309		17442	0.6089

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:39:12

NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2164	JAN 19, 2019	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	160.99
Other Variable Cost	342	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	160.99
Total Variable	████	Total Variable	94	Total Variable	2164		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2660	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	85674
						Total Revenue	0
						Net Cost	85674

Avg Cost of Served Demand 5.330 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.006 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0	
Total	16075.2	0.0	16075.2	0.0	16075.2	16075.2	0.0	0	161.0	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2334.7	18250.0	15915.3			2.9106	6795	0	6795	2.9106
ENGNiagara	1146.6	1167.3	20.6			2.1649	2482	0	2482	2.1649
ENGPNGTS	224.4	365.0	140.6			3.5436	795	0	795	3.5436
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6620.4	6690.4	70.0			2.1145	13999	0	13999	2.1145
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2661.3	7373.0	4711.7			6.5055	17313	0	17313	6.5055
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	766.8	2190.0	1423.2			2.9503	2262	0	2262	2.9503
DAWN	344.3	651.2	306.9			2.9377	1011	0	1011	2.9377
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1129.9	10950.0	9820.1			7.3839	8343	0	8343	7.3839
Engie Combo	630.0	630.0	0.0							
Total	16290.3									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	102	99	-4
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3510	3141	-369
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	243	222	-21
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1600	1433	-167
ENGHON	246	100	235.7	235.7	0	0.0	246	100	0.0	0	551	518	-33
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3323.7	3296.8	0	26.8	2606	N/A	5.6	0	7050	6456	-594

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2334.7	0.0	2334.7	7882.5	5547.9	0	5043	0	5043	2.1602	
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572	
ENGTGPLong	6007.0	0.0	6007.0	8698.1	2691.1	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2809.3	23.9	2785.5	10262.0	7476.5	316	2688	0	3004	1.0693	
TrCanCharges	758.1	8.7	749.4	1477.2	727.8	0	698	0	698	0.9202	
IroqCharges	749.4	4.6	744.7	1477.2	732.4	67	640	0	706	0.9425	
ENGPNGTS	224.4	2.2	222.2	365.0	142.8	0	312	0	312	1.3913	
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000	
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000	
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000	
Dracut 30	3415.3	7.2	3408.1	10950.0	7541.9	148	4388	0	4537	1.3283	
UnionCharges	766.8	8.7	758.1	1477.2	719.1	0	140	0	140	0.1826	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2018 thru OCT 2019

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	709.6	1.5	708.1	7300.0	6591.9	31	1134	0	1164	1.6411
ENGTGPZ4	2228.3	62.1	2166.2	9125.0	6958.8	663	0	0	663	0.2976
Z4toTGPLH	3873.7	32.9	3840.8	7665.0	3824.2	436	0	0	436	0.1126
Z4toStg	2746.7	9.1	2737.6	7882.5	5144.9	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	344.3	10.6	333.7	651.2	317.5	10		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		182.5				2164				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2199	JAN 19, 2020	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	164.64
Other Variable Cost	346	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	164.64
Total Variable	████	Total Variable	94	Total Variable	2199		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2686	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	86778
						Total Revenue	0
						Net Cost	86778

Avg Cost of Served Demand 5.235 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.842 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0	
Total	16575.5	0.0	16575.5	0.0	16575.5	16575.5	0.0	0	164.6	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2324.1	18300.0	15975.9			2.7954	6497	0	6497	2.7954
ENGNiagara	1144.7	1170.5	25.8			2.1355	2444	0	2444	2.1355
ENGPNGTS	277.9	366.0	88.1			3.2830	912	0	912	3.2830
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6657.9	6698.7	40.8			1.9745	13146	0	13146	1.9745
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2676.0	7393.2	4717.2			6.4563	17277	0	17277	6.4563
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	756.8	2196.0	1439.2			2.8586	2163	0	2163	2.8586
DAWN	898.0	1622.1	724.1			2.8309	2542	0	2542	2.8309
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1011.6	10980.0	9968.4			7.3541	7439	0	7439	7.3541
Engie Combo	630.0	630.0	0.0							
Total	16808.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	99	97	-1
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3141	2992	-149
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	222	211	-11
ENGNGF	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1433	1362	-71
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	518	492	-26
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3322.5	3295.6	0	26.8	2606	N/A	5.6	0	6456	6197	-259

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2324.1	0.0	2324.1	7904.1	5580.1	0	5043	0	5043	2.1700	
ENGTGP2Stg	106.4	2.2	104.2	7904.1	7800.0	27	0	0	27	0.2572	
ENGTGPLong	6035.0	0.0	6035.0	8719.7	2684.6	0	0	0	0	0.0000	
ENGTGPBND	1144.7	7.1	1137.6	1142.7	5.1	98	267	0	365	0.3189	
ENGTGPShort	2808.2	23.9	2784.3	10290.1	7505.8	316	2688	0	3004	1.0697	
TrCanCharges	748.2	8.6	739.6	1481.2	741.6	0	698	0	698	0.9324	
IroqCharges	739.6	4.6	735.0	1481.2	746.2	66	640	0	705	0.9538	
ENGPNGTS	277.9	2.8	275.2	366.0	90.8	0	312	0	312	1.1236	
ENGLNG	321.0	0.0	321.0	8678.6	8357.6	0	0	0	0	0.0000	
ENGPropane	160.8	0.0	160.8	6370.0	6209.2	0	0	0	0	0.0000	
ENG3Truck	160.8	0.0	160.8	4392.0	4231.2	161	0	0	161	1.0000	
Dracut 30	3692.1	7.8	3684.3	10980.0	7295.7	160	4388	0	4549	1.2320	
UnionCharges	756.8	8.6	748.2	1481.2	733.0	0	140	0	140	0.1850	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2019 thru OCT 2020

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	865.8	1.8	864.0	7320.0	6456.0	38	1134	0	1171	1.3529
ENGTPZ4	2217.7	61.8	2155.9	9150.0	6994.1	660	0	0	660	0.2976
Z4toTGPLH	3912.4	33.3	3879.1	7686.0	3806.9	441	0	0	441	0.1126
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1064.0	485.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56821.5	56821.5	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2928.0	2928.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	898.0	27.7	870.2	1622.1	751.9	27		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		200.8				2199				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	48	Transportation Cost	2220	JAN 19, 2021	
Penalty Cost	0	Withdrawal Cost	46	Other Variable Cost	0	System Served	168.93
Other Variable Cost	349	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	168.93
Total Variable	████	Total Variable	94	Total Variable	2220		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2711	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	89720
						Total Revenue	0
						Net Cost	89720

Avg Cost of Served Demand 5.277 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.893 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0	
Total	17000.6	0.0	17000.6	0.0	17000.6	17000.6	0.0	0	168.9	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2314.5	18250.0	15935.5			2.8137	6512	0	6512	2.8137
ENGNiagara	1143.1	1167.3	24.1			2.1441	2451	0	2451	2.1441
ENGPNGTS	291.5	365.0	73.5			3.2469	947	0	947	3.2469
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6660.4	6690.4	30.0			1.9829	13207	0	13207	1.9829
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2596.8	7373.0	4776.2			6.4119	16651	0	16651	6.4119
ENG3Summer	69.1	93.5	24.4			10.0000	691	0	691	10.0000
DLiqSummer	21.0	21.0	0.0							

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1 (Continued)

NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	761.3	2190.0	1428.7			2.8564	2174	0	2174	2.8564
DAWN	1088.5	1825.0	736.5			2.8117	3061	0	3061	2.8117
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1322.6	10950.0	9627.4			7.5053	9927	0	9927	7.5053
Engie Combo	630.0	630.0	0.0							
Total	17240.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	321.0	321.0	0	0.0	12	95	0.0	0	97	97	0
ENGPropane	77	100	160.8	160.8	0	0.0	77	100	0.0	0	1043	1043	0
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	2992	3017	25
ENGDominion	103	100	108.5	106.4	0	2.1	103	100	0.0	0	211	212	1
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1362	1374	12
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	492	491	-0
GranBrdgLNG	0	N/A	0.0	0.0	0	0.0	0	N/A	0.0	0	0	0	0
Total	2606	N/A	3320.1	3293.3	0	26.8	2606	N/A	5.6	0	6197	6234	37

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2314.5	0.0	2314.5	7882.5	5568.0	0	5043	0	5043	2.1790
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572
ENGTGPLong	6030.6	0.0	6030.6	8698.1	2667.5	0	0	0	0	0.0000
ENGTGPBND	1143.1	7.1	1136.0	1139.5	3.5	98	267	0	365	0.3192
ENGTGPShort	2805.8	23.8	2782.0	10262.0	7480.0	316	2688	0	3004	1.0705
TrCanCharges	752.6	8.7	743.9	1477.2	733.2	0	698	0	698	0.9269
IroqCharges	743.9	4.6	739.3	1477.2	737.8	66	640	0	706	0.9487
ENGPNGTS	291.5	2.9	288.6	365.0	76.4	1	312	0	312	1.0714
ENGLNG	321.0	0.0	321.0	8654.9	8333.9	0	0	0	0	0.0000
ENGPropane	160.8	0.0	160.8	6335.0	6174.2	0	0	0	0	0.0000
ENG3Truck	160.8	0.0	160.8	4380.0	4219.2	161	0	0	161	1.0000
Dracut 30	4088.9	8.6	4080.3	10950.0	6869.7	177	4388	0	4566	1.1166
UnionCharges	761.3	8.7	752.6	1477.2	724.6	0	140	0	140	0.1839

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2020 thru OCT 2021

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	885.4	1.9	883.5	7300.0	6416.5	38	1134	0	1172	1.3239
ENGTPZ4	2208.1	61.5	2146.6	9125.0	6978.4	657	0	0	657	0.2976
Z4toTGPLH	3917.3	33.3	3884.0	7665.0	3781.0	441	0	0	441	0.1126
Z4toStg	2743.1	9.1	2734.1	7882.5	5148.5	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	0.0	0.0	0.0	56666.3	56666.3	0	0	0	0	0.0000
LNGtoLNG	0.0	0.0	0.0	2920.0	2920.0	0	0	0	0	0.0000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	1088.5	33.6	1054.8	1825.0	770.2	33		0		
DAWNTCPL	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
PNGTS2RT101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Total		207.6				2220				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
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Commodity Cost	████	Injection Cost	136	Transportation Cost	2262	JAN 19, 2022	
Penalty Cost	0	Withdrawal Cost	48	Other Variable Cost	0	System Served	173.92
Other Variable Cost	325	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	173.92
Total Variable	████	Total Variable	185	Total Variable	2262		
Demand/Reservation Co	████	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	2643	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	████	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	130092
						Total Revenue	0
						Net Cost	130092

Avg Cost of Served Demand 7.422 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.737 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0	
Total	17527.6	0.0	17527.6	0.0	17527.6	17527.6	0.0	0	173.9	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2323.2	18250.0	15926.8			2.8384	6594	0	6594	2.8384
ENGNiagara	1146.6	1167.3	20.6			2.1909	2512	0	2512	2.1909
ENGPNGTS	330.0	365.0	35.0			3.1691	1046	0	1046	3.1691
ENG3Winter	91.7	91.7	0.0			15.0000	1376	0	1376	15.0000
ENG-Z4	6690.4	6690.4	0.0			2.0466	13693	0	13693	2.0466
DLiqWinter	250.0	250.0	0.0							
Dracut 20	2761.8	7373.0	4611.2			6.3153	17441	0	17441	6.3153
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1018.7	2190.0	1171.3			2.8057	2858	0	2858	2.8057

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1 (Continued)

NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
DAWN	3088.2	3177.0	88.8			2.7420	8468	0	8468	2.7420
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1165.1	10950.0	9784.9			7.6111	8867	0	8867	7.6111
Engie Combo	630.0	630.0	0.0							
Total	19495.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	12	95	332.9	332.3	0	0.0	13	100	0.0	1	97	70	-27
ENGPropane	77	100	91.7	168.5	0	0.0	0	0	0.0	-77	1043	160	-883
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3017	3118	101
ENGDominion	103	100	108.6	106.5	0	2.1	103	100	0.0	0	212	219	7
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1374	1418	44
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	491	505	14
GranBrdgLNG	0	N/A	1949.1	221.5	0	177.2	1550	60	2.2	1550	0	3711	3711
Total	2606	N/A	5212.1	3533.9	0	204.0	4081	153	7.9	1474	6234	9201	2967

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2323.2	0.0	2323.2	7882.5	5559.3	0	5043	0	5043	2.1708	
ENGTGP2Stg	106.2	2.2	104.0	7882.5	7778.5	27	0	0	27	0.2572	
ENGTGPLong	6068.7	0.0	6068.7	8698.1	2629.4	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2805.9	23.9	2782.0	10262.0	7479.9	316	2688	0	3004	1.0705	
TrCanCharges	1007.1	11.6	995.5	1477.2	481.6	0	698	0	698	0.6927	
IroqCharges	995.5	6.2	989.4	1477.2	487.8	88	640	0	728	0.7314	
ENGPNGTS	330.0	3.3	326.7	365.0	38.3	1	312	0	312	0.9467	
ENGLNG	332.3	0.0	332.3	8654.9	8322.6	0	0	0	0	0.0000	
ENGPropane	168.5	0.0	168.5	6335.0	6166.5	0	0	0	0	0.0000	
ENG3Truck	91.7	0.0	91.7	4380.0	4288.3	92	0	0	92	1.0000	
Dracut 30	3251.8	6.8	3245.0	10950.0	7705.0	141	4388	0	4529	1.3929	
UnionCharges	1018.7	11.6	1007.1	1477.2	470.0	0	140	0	140	0.1374	
Dracut 20	675.0	1.4	673.6	7300.0	6626.4	29	1134	0	1163	1.7229	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2021 thru OCT 2022

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPZ4	2217.0	61.8	2155.2	9125.0	6969.8	660	0	0	660	0.2976
Z4toTGPLH	3947.0	33.5	3913.4	7665.0	3751.6	445	0	0	445	0.1126
Z4toStg	2743.4	9.1	2734.4	7882.5	5148.2	136	0	0	136	0.0495
Engie2CG	580.0	1.6	578.4	1057.0	478.6	19	0	0	19	0.0334
GranBrdgPL	3179.3	6.7	3172.6	73000.0	69827.4	138		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	186.3	0.5	185.8	56666.3	56480.4	6	0	0	6	0.0324
LNGtoLNG	32.9	0.0	32.9	2920.0	2887.1	16	0	0	16	0.5000
Engie2ENGLNG	50.0	0.0	50.0	50.0	0.0	50	0	0	50	1.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3088.2	49.1	3039.1	3126.5	87.4	0	3158	0	3158	1.0225
PNGTS2RT101	3039.1	45.6	2993.5	3079.6	86.1	0		0		
Total		281.9				2262				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	179	Transportation Cost	2319	JAN 19, 2023	
Penalty Cost	0	Withdrawal Cost	68	Other Variable Cost	0	System Served	179.38
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	179.38
Total Variable	████	Total Variable	247	Total Variable	2319		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	128956
						Total Revenue	0
						Net Cost	128956

Avg Cost of Served Demand 7.136 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.024 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0	
Total	18071.6	0.0	18071.6	0.0	18071.6	18071.6	0.0	0	179.4	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2334.1	18250.0	15915.9			2.8819	6727	0	6727	2.8819
ENGNiagara	1146.6	1167.3	20.6			2.2569	2588	0	2588	2.2569
ENGPNGTS	331.0	365.0	34.0			3.1816	1053	0	1053	3.1816
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.1144	14146	0	14146	2.1144
Dracut 20	2592.8	7373.0	4780.2			4.7374	12283	0	12283	4.7374
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1072.6	2190.0	1117.4			2.8351	3041	0	3041	2.8351
DAWN	3142.9	3177.0	34.1			2.7787	8733	0	8733	2.7787

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	1797.4	10950.0	9152.6			5.1214	9205	0	9205	5.1214
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	19107.9									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	125.3	125.3	0	0.0	13	100	0.0	0	70	68	-2
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3118	3218	100
ENGDominion	103	100	109.1	107.0	0	2.1	103	100	0.0	0	219	226	7
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1418	1464	46
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	505	522	17
GranBrdgLNG	1550	60	2887.0	2199.2	0	262.5	1976	76	22.0	425	3711	4904	1193
Total	4081	79	5851.2	5136.6	0	289.3	4506	87	27.6	425	9201	10562	1361

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPPProd	2334.1	0.0	2334.1	7882.5	5548.4	0	5043	0	5043	2.1606	
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572	
ENGTGPLong	6078.8	0.0	6078.8	8698.1	2619.3	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2806.4	23.9	2782.5	10262.0	7479.4	316	2688	0	3004	1.0703	
TrCanCharges	1060.4	12.2	1048.2	1477.2	429.0	0	698	0	698	0.6579	
IroqCharges	1048.2	6.5	1041.7	1477.2	435.5	93	640	0	733	0.6991	
ENGPNGTS	331.0	3.3	327.7	365.0	37.3	1	312	0	312	0.9438	
ENGLNG	125.3	0.0	125.3	8654.9	8529.6	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3364.5	7.1	3357.4	10950.0	7592.6	146	4388	0	4534	1.3477	
UnionCharges	1072.6	12.2	1060.4	1477.2	416.8	0	140	0	140	0.1305	
Dracut 20	1025.7	2.2	1023.6	7300.0	6276.4	45	1134	0	1178	1.1487	
ENGTGPZ4	2227.8	62.1	2165.7	9125.0	6959.3	663	0	0	663	0.2976	
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2022 thru OCT 2023

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5092.7	10.7	5082.0	73000.0	67918.0	221		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2051.9	5.7	2046.2	56666.3	54620.1	66	0	0	66	0.0323
LNGtoLNG	125.3	0.0	125.3	2920.0	2794.7	63	0	0	63	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3142.9	50.0	3092.9	3126.5	33.5	0	3158	0	3158	1.0047
PNGTS2RT101	3092.9	46.4	3046.5	3079.6	33.0	0		0		
Total		294.1				2319				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	179	Transportation Cost	2357	JAN 19, 2024	
Penalty Cost	0	Withdrawal Cost	70	Other Variable Cost	0	System Served	184.43
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	184.43
Total Variable	████	Total Variable	249	Total Variable	2357		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	131758
						Total Revenue	0
						Net Cost	131758

Avg Cost of Served Demand 7.069 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.104 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0
Total	18638.5	0.0	18638.5	0.0	18638.5	18638.5	0.0	0	184.4	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2352.7	18300.0	15947.3			2.9322	6898	0	6898	2.9322
ENGNiagara	1149.8	1170.5	20.7			2.3421	2693	0	2693	2.3421
ENGPNGTS	333.0	366.0	33.0			3.2251	1074	0	1074	3.2251
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6698.7	6698.7	0.0			2.2058	14776	0	14776	2.2058
Dracut 20	2629.2	7393.2	4764.0			4.7330	12444	0	12444	4.7330
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDAwn	1153.8	2196.0	1042.2			2.8781	3321	0	3321	2.8781
DAWN	3164.0	3185.7	21.7			2.8374	8978	0	8978	2.8374

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2020.9	10980.0	8959.1			5.1246	10356	0	10356	5.1246
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	19501.9									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	123.3	123.3	0	0.0	13	100	0.0	0	68	70	2
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3218	3361	143
ENGDominion	103	100	109.7	107.6	0	2.1	103	100	0.0	0	226	235	9
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1464	1527	64
ENGHON	246	100	234.5	234.5	0	0.0	246	100	0.0	0	522	544	22
GranBrdgLNG	1976	76	2882.9	2374.8	0	262.1	2222	86	23.7	246	4904	5729	826
Total	4506	87	5846.8	5311.8	0	288.9	4752	92	29.4	246	10562	11628	1066

Transportation Summary

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2352.7	0.0	2352.7	7904.1	5551.5	0	5043	0	5043	2.1436
ENGTGP2Stg	106.4	2.2	104.2	7904.1	7800.0	27	0	0	27	0.2572
ENGTGPLong	6103.3	0.0	6103.3	8719.7	2616.4	0	0	0	0	0.0000
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179
ENGTGPShort	2808.2	23.9	2784.3	10290.1	7505.8	316	2688	0	3004	1.0697
TrCanCharges	1140.7	13.1	1127.5	1481.2	353.7	0	698	0	698	0.6116
IroqCharges	1127.5	7.0	1120.5	1481.2	360.7	100	640	0	740	0.6561
ENGPNGTS	333.0	3.3	329.7	366.0	36.3	1	312	0	312	0.9382
ENGLNG	123.3	0.0	123.3	8678.6	8555.3	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000
Dracut 30	3444.6	7.2	3437.3	10980.0	7542.7	150	4388	0	4538	1.3174
UnionCharges	1153.8	13.1	1140.7	1481.2	340.5	0	140	0	140	0.1213
Dracut 20	1205.5	2.5	1203.0	7320.0	6117.0	52	1134	0	1186	0.9839
ENGTGPZ4	2246.3	62.6	2183.7	9150.0	6966.3	668	0	0	668	0.2976
Z4toTGPLH	3953.2	33.6	3919.6	7686.0	3766.4	445	0	0	445	0.1126

Base Case with 2.5 BCF Tank
- Draw 0

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NOV 2023 thru OCT 2024

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2745.5	9.1	2736.5	7904.1	5167.7	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5288.5	11.1	5277.4	73200.0	67922.6	230		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2227.8	6.2	2221.5	56821.5	54600.0	72	0	0	72	0.0323
LNGtoLNG	123.3	0.0	123.3	2928.0	2804.7	62	0	0	62	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3164.0	50.3	3113.7	3135.0	21.4	0	3158	0	3158	0.9980
PNGTS2RT101	3113.7	46.7	3067.0	3088.0	21.0	0		0		
Total		299.1				2357				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	178	Transportation Cost	2377	JAN 19, 2025	
Penalty Cost	0	Withdrawal Cost	71	Other Variable Cost	0	System Served	188.86
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	188.86
Total Variable	████	Total Variable	249	Total Variable	2377		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	134574
						Total Revenue	0
						Net Cost	134574

Avg Cost of Served Demand 7.079 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.203 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0	
Total	19009.2	0.0	19009.2	0.0	19009.2	19009.2	0.0	0	188.9	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2343.3	18250.0	15906.7			3.0002	7030	0	7030	3.0002
ENGNiagara	1146.6	1167.3	20.6			2.4387	2796	0	2796	2.4387
ENGPNGTS	335.0	365.0	30.0			3.2764	1098	0	1098	3.2764
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.3072	15436	0	15436	2.3072
Dracut 20	2714.7	7373.0	4658.3			4.7357	12856	0	12856	4.7357
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1241.4	2190.0	948.6			2.9349	3643	0	3643	2.9349
DAWN	3139.3	3177.0	37.7			2.9098	9135	0	9135	2.9098

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2159.8	10950.0	8790.2			5.2508	11341	0	11341	5.2508
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	19770.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	123.3	123.3	0	0.0	13	100	0.0	0	70	73	2
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3361	3515	154
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	235	246	11
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1527	1599	72
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	544	568	24
GranBrdgLNG	2222	86	2877.2	2474.5	0	261.6	2363	91	24.7	141	5729	6348	618
Total	4752	92	5836.2	5406.7	0	288.3	4893	94	30.4	141	11628	12509	882

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPPProd	2343.3	0.0	2343.3	7882.5	5539.2	0	5043	0	5043	2.1522	
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572	
ENGTGPLong	6090.8	0.0	6090.8	8698.1	2607.3	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2803.4	23.8	2779.5	10262.0	7482.5	316	2688	0	3003	1.0714	
TrCanCharges	1227.2	14.1	1213.1	1477.2	264.0	0	698	0	698	0.5684	
IroqCharges	1213.1	7.5	1205.6	1477.2	271.5	108	640	0	747	0.6161	
ENGPNGTS	335.0	3.4	331.6	365.0	33.4	1	312	0	312	0.9326	
ENGLNG	123.3	0.0	123.3	8654.9	8531.6	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3526.9	7.4	3519.5	10950.0	7430.5	153	4388	0	4541	1.2877	
UnionCharges	1241.4	14.1	1227.2	1477.2	249.9	0	140	0	140	0.1128	
Dracut 20	1347.7	2.8	1344.8	7300.0	5955.2	58	1134	0	1192	0.8846	
ENGTGPZ4	2240.1	62.4	2177.7	9125.0	6947.3	667	0	0	667	0.2976	
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

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NOV 2024 thru OCT 2025

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5363.0	11.3	5351.7	73000.0	67648.3	233		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2326.5	6.5	2320.0	56666.3	54346.3	75	0	0	75	0.0323
LNGtoLNG	123.3	0.0	123.3	2920.0	2796.7	62	0	0	62	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3139.3	49.9	3089.3	3126.5	37.1	0	3158	0	3158	1.0059
PNGTS2RT101	3089.3	46.3	3043.0	3079.6	36.6	0		0		
Total		301.5				2377				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	177	Transportation Cost	2400	JAN 19, 2026	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	192.93
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	192.93
Total Variable	████	Total Variable	249	Total Variable	2400		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	137569
						Total Revenue	0
						Net Cost	137569

Avg Cost of Served Demand 7.085 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.309 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0
Total	19416.5	0.0	19416.5	0.0	19416.5	19416.5	0.0	0	192.9	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2347.4	18250.0	15902.6			3.1008	7279	0	7279	3.1008
ENGNiagara	1146.6	1167.3	20.6			2.5483	2922	0	2922	2.5483
ENGPNGTS	337.0	365.0	28.0			3.3420	1126	0	1126	3.3420
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.4136	16148	0	16148	2.4136
Dracut 20	2730.9	7373.0	4642.1			4.7720	13032	0	13032	4.7720
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDawn	1272.0	2190.0	918.0			3.0187	3840	0	3840	3.0187
DAWN	3160.4	3177.0	16.6			2.9956	9467	0	9467	2.9956

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2353.9	10950.0	8596.1			5.3071	12492	0	12492	5.3071
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	20038.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	123.3	123.3	0	0.0	13	100	0.0	0	73	75	2
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3515	3670	155
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	246	257	11
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1599	1668	69
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	568	593	25
GranBrdgLNG	2363	91	2856.1	2596.5	0	259.6	2363	91	26.0	0	6348	6611	263
Total	4893	94	5815.1	5528.7	0	286.4	4893	94	31.6	0	12509	13035	526

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2347.4	0.0	2347.4	7882.5	5535.1	0	5043	0	5043	2.1484	
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572	
ENGTGPLong	6094.8	0.0	6094.8	8698.1	2603.3	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2803.4	23.8	2779.5	10262.0	7482.5	316	2688	0	3003	1.0714	
TrCanCharges	1257.5	14.5	1243.1	1477.2	234.1	0	698	0	698	0.5547	
IroqCharges	1243.1	7.7	1235.4	1477.2	241.8	110	640	0	750	0.6034	
ENGPNGTS	337.0	3.4	333.6	365.0	31.4	1	312	0	312	0.9270	
ENGLNG	123.3	0.0	123.3	8654.9	8531.6	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3505.8	7.4	3498.5	10950.0	7451.5	152	4388	0	4541	1.2951	
UnionCharges	1272.0	14.5	1257.5	1477.2	219.6	0	140	0	140	0.1101	
Dracut 20	1579.0	3.3	1575.7	7300.0	5724.3	69	1134	0	1202	0.7614	
ENGTGPZ4	2244.2	62.5	2181.7	9125.0	6943.3	668	0	0	668	0.2976	
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2025 thru OCT 2026

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5503.9	11.6	5492.3	73000.0	67507.7	239		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2447.2	6.9	2440.4	56666.3	54225.9	79	0	0	79	0.0323
LNGtoLNG	123.3	0.0	123.3	2920.0	2796.7	62	0	0	62	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3160.4	50.3	3110.2	3126.5	16.3	0	3158	0	3158	0.9992
PNGTS2RT101	3110.2	46.7	3063.5	3079.6	16.1	0		0		
Total		304.2				2400				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	178	Transportation Cost	2408	JAN 19, 2027	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	196.78
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	196.78
Total Variable	████	Total Variable	250	Total Variable	2408		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	140864
						Total Revenue	0
						Net Cost	140864

Avg Cost of Served Demand 7.118 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.409 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0	
Total	19788.6	0.0	19788.6	0.0	19788.6	19788.6	0.0	0	196.8	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2312.2	18250.0	15937.8			3.1947	7387	0	7387	3.1947
ENGNiagara	1146.6	1167.3	20.6			2.6165	3000	0	3000	2.6165
ENGPNGTS	343.0	365.0	22.0			3.4147	1171	0	1171	3.4147
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.4647	16490	0	16490	2.4647
Dracut 20	2892.9	7373.0	4480.1			4.8363	13991	0	13991	4.8363
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1293.8	2190.0	896.2			3.0794	3984	0	3984	3.0794
DAWN	3164.1	3177.0	12.9			3.0547	9665	0	9665	3.0547

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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Report 1 (Continued) 10:39:12

NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2569.1	10950.0	8380.9			5.4124	13905	0	13905	5.4124
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	20412.0									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	123.8	123.8	0	0.0	13	100	0.0	0	75	77	2
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3670	3714	44
ENGDominion	103	100	108.2	106.1	0	2.1	103	100	0.0	0	257	260	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1668	1684	16
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	593	604	11
GranBrdgLNG	2363	91	2861.5	2601.4	0	260.1	2363	91	26.0	0	6611	6755	144
Total	4893	94	5821.1	5534.1	0	286.9	4893	94	31.7	0	13035	13255	220

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2312.2	0.0	2312.2	7882.5	5570.4	0	5043	0	5043	2.1812	
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572	
ENGTGPLong	6060.5	0.0	6060.5	8698.1	2637.6	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2803.4	23.8	2779.5	10262.0	7482.5	316	2688	0	3003	1.0714	
TrCanCharges	1279.1	14.7	1264.3	1477.2	212.8	0	698	0	698	0.5454	
IroqCharges	1264.3	7.8	1256.5	1477.2	220.7	112	640	0	752	0.5947	
ENGPNGTS	343.0	3.4	339.6	365.0	25.4	1	312	0	312	0.9109	
ENGLNG	123.8	0.0	123.8	8654.9	8531.1	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	3770.7	7.9	3762.8	10950.0	7187.2	164	4388	0	4552	1.2072	
UnionCharges	1293.8	14.7	1279.1	1477.2	198.1	0	140	0	140	0.1082	
Dracut 20	1691.3	3.6	1687.8	7300.0	5612.2	73	1134	0	1207	0.7137	
ENGTGPZ4	2208.9	61.6	2147.4	9125.0	6977.6	657	0	0	657	0.2976	
Z4toTGPLH	3946.7	33.5	3913.1	7665.0	3751.9	445	0	0	445	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2026 thru OCT 2027

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2743.7	9.1	2734.7	7882.5	5147.9	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5511.7	11.6	5500.2	73000.0	67499.8	239		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2451.6	6.9	2444.7	56666.3	54221.6	79	0	0	79	0.0323
LNGtoLNG	123.8	0.0	123.8	2920.0	2796.2	62	0	0	62	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3164.1	50.3	3113.8	3126.5	12.7	0	3158	0	3158	0.9980
PNGTS2RT101	3113.8	46.7	3067.0	3079.6	12.5	0		0		
Total		304.9				2408				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	177	Transportation Cost	2434	JAN 19, 2028	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	199.95
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	199.95
Total Variable	████	Total Variable	249	Total Variable	2434		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	143815
						Total Revenue	0
						Net Cost	143815

Avg Cost of Served Demand 7.120 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.483 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0
Total	20198.0	0.0	20198.0	0.0	20198.0	20198.0	0.0	0	200.0	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2342.7	18300.0	15957.3			3.2261	7558	0	7558	3.2261
ENGNiagara	1149.8	1170.5	20.7			2.6436	3040	0	3040	2.6436
ENGPNGTS	344.0	366.0	22.0			3.4570	1189	0	1189	3.4570
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6698.7	6698.7	0.0			2.4899	16679	0	16679	2.4899
Dracut 20	3002.3	7393.2	4390.9			4.9375	14824	0	14824	4.9375
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1322.1	2196.0	873.9			3.1077	4109	0	4109	3.1077
DAWN	3174.6	3185.7	11.1			3.0860	9797	0	9797	3.0860

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	2789.2	10980.0	8190.8			5.4941	15324	0	15324	5.4941
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	20823.3									

Storage Summary													
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	120.5	120.5	0	0.0	13	100	0.0	0	77	78	1
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3714	3750	36
ENGDominion	103	100	108.8	106.7	0	2.1	103	100	0.0	0	260	262	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1684	1700	16
ENGHON	246	100	233.3	233.3	0	0.0	246	100	0.0	0	604	611	6
GranBrdgLNG	2363	91	2852.4	2593.1	0	259.3	2363	91	25.9	0	6755	6835	79
Total	4893	94	5809.3	5523.2	0	286.1	4893	94	31.6	0	13255	13396	141

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2342.7	0.0	2342.7	7904.1	5561.4	0	5043	0	5043	2.1527	
ENGTGP2Stg	103.2	2.1	101.1	7904.1	7803.0	27	0	0	27	0.2572	
ENGTGPLong	6097.9	0.0	6097.9	8719.7	2621.8	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2803.9	23.8	2780.1	10290.1	7510.0	316	2688	0	3003	1.0712	
TrCanCharges	1307.0	15.0	1292.0	1481.2	189.2	0	698	0	698	0.5337	
IroqCharges	1292.0	8.0	1284.0	1481.2	197.2	115	640	0	754	0.5839	
ENGPNGTS	344.0	3.4	340.6	366.0	25.4	1	312	0	312	0.9082	
ENGLNG	120.5	0.0	120.5	8678.6	8558.1	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	4010.9	8.4	4002.4	10980.0	6977.6	174	4388	0	4562	1.1375	
UnionCharges	1322.1	15.1	1307.0	1481.2	174.2	0	140	0	140	0.1059	
Dracut 20	1780.6	3.7	1776.8	7320.0	5543.2	77	1134	0	1211	0.6801	
ENGTGPZ4	2239.5	62.4	2177.1	9150.0	6972.9	666	0	0	666	0.2976	
Z4toTGPLH	3954.4	33.6	3920.7	7686.0	3765.3	445	0	0	445	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2027 thru OCT 2028

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2744.3	9.1	2735.3	7904.1	5168.8	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5517.1	11.6	5505.5	73200.0	67694.5	239		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2446.7	6.9	2439.9	56821.5	54381.6	79	0	0	79	0.0323
LNGtoLNG	120.5	0.0	120.5	2928.0	2807.5	60	0	0	60	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3174.6	50.5	3124.1	3135.0	10.9	0	3158	0	3158	0.9947
PNGTS2RT101	3124.1	46.9	3077.3	3088.0	10.8	0		0		
Total		307.6				2434				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	176	Transportation Cost	2440	JAN 19, 2029	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	203.49
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	203.49
Total Variable	████	Total Variable	248	Total Variable	2440		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	146234
						Total Revenue	0
						Net Cost	146234

Avg Cost of Served Demand 7.143 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.552 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0	
Total	20472.0	0.0	20472.0	0.0	20472.0	20472.0	0.0	0	203.5	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2334.0	18250.0	15916.0			3.2574	7603	0	7603	3.2574
ENGNiagara	1146.6	1167.3	20.6			2.6691	3061	0	3061	2.6691
ENGPNGTS	343.2	365.0	21.8			3.4848	1196	0	1196	3.4848
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5143	16821	0	16821	2.5143
Dracut 20	3055.6	7373.0	4317.4			5.0235	15350	0	15350	5.0235
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1338.2	2190.0	851.8			3.1351	4195	0	4195	3.1351
DAWN	3167.5	3177.0	9.5			3.1159	9870	0	9870	3.1159

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3020.3	10950.0	7929.7			5.5746	16837	0	16837	5.5746
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21095.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	116.2	116.2	0	0.0	13	100	0.0	0	78	79	1
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3750	3787	36
ENGDominion	103	100	107.3	105.2	0	2.1	103	100	0.0	0	262	264	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1700	1718	17
ENGHON	246	100	231.0	231.0	0	0.0	246	100	0.0	0	611	616	5
GranBrdgLNG	2363	91	2833.7	2576.1	0	257.6	2363	91	25.8	0	6835	6900	66
Total	4893	94	5782.5	5498.1	0	284.4	4893	94	31.4	0	13396	13523	127

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPPProd	2334.0	0.0	2334.0	7882.5	5548.5	0	5043	0	5043	2.1607	
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572	
ENGTGPLong	6085.0	0.0	6085.0	8698.1	2613.1	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2800.1	23.8	2776.3	10262.0	7485.7	315	2688	0	3003	1.0725	
TrCanCharges	1322.9	15.2	1307.7	1477.2	169.4	0	698	0	698	0.5273	
IroqCharges	1307.7	8.1	1299.6	1477.2	177.5	116	640	0	756	0.5780	
ENGPNGTS	343.2	3.4	339.7	365.0	25.3	1	312	0	312	0.9104	
ENGLNG	116.2	0.0	116.2	8654.9	8538.6	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4156.9	8.7	4148.2	10950.0	6801.8	180	4388	0	4569	1.0991	
UnionCharges	1338.2	15.2	1322.9	1477.2	154.2	0	140	0	140	0.1046	
Dracut 20	1919.0	4.0	1915.0	7300.0	5385.0	83	1134	0	1217	0.6342	
ENGTGPZ4	2230.8	62.2	2168.7	9125.0	6956.3	664	0	0	664	0.2976	
Z4toTGPLH	3949.9	33.6	3916.4	7665.0	3748.6	445	0	0	445	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:39:12

NOV 2028 thru OCT 2029

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2740.5	9.0	2731.4	7882.5	5151.1	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5497.6	11.5	5486.1	73000.0	67513.9	239		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2434.1	6.8	2427.3	56666.3	54239.0	79	0	0	79	0.0323
LNGtoLNG	116.2	0.0	116.2	2920.0	2803.8	58	0	0	58	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3167.5	50.4	3117.1	3126.5	9.4	0	3158	0	3158	0.9969
PNGTS2RT101	3117.1	46.8	3070.3	3079.6	9.2	0		0		
Total		308.0				2440				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:39:12

NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	175	Transportation Cost	2454	JAN 19, 2030	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	206.79
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	206.79
Total Variable	████	Total Variable	247	Total Variable	2454		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	148996
						Total Revenue	0
						Net Cost	148996

Avg Cost of Served Demand 7.164 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.626 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0	
Total	20798.3	0.0	20798.3	0.0	20798.3	20798.3	0.0	0	206.8	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2338.3	18250.0	15911.7			3.2896	7692	0	7692	3.2896
ENGNiagara	1146.6	1167.3	20.6			2.6958	3091	0	3091	2.6958
ENGPNGTS	345.0	365.0	20.0			3.5348	1220	0	1220	3.5348
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5394	16990	0	16990	2.5394
Dracut 20	3152.8	7373.0	4220.2			5.1159	16129	0	16129	5.1159
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENGDAwn	1355.5	2190.0	834.5			3.1640	4289	0	4289	3.1640
DAWN	3168.9	3177.0	8.1			3.1470	9973	0	9973	3.1470

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3223.5	10950.0	7726.5			5.6766	18298	0	18298	5.6766
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21421.0									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	116.1	116.1	0	0.0	13	100	0.0	0	79	79	1
ENGFSMA	1498	96	1773.4	1754.4	0	19.0	1498	96	0.0	0	3787	3822	36
ENGDominion	103	100	107.0	104.9	0	2.1	103	100	0.0	0	264	267	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1718	1733	15
ENGHON	246	100	231.0	231.0	0	0.0	246	100	0.0	0	616	623	7
GranBrdgLNG	2363	91	2810.2	2554.7	0	255.5	2363	91	25.5	0	6900	6964	63
Total	4893	94	5758.5	5476.3	0	282.2	4893	94	31.2	0	13523	13648	125

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPPProd	2338.3	0.0	2338.3	7882.5	5544.3	0	5043	0	5043	2.1568	
ENGTGP2Stg	103.2	2.1	101.1	7882.5	7781.4	27	0	0	27	0.2572	
ENGTGPLong	6089.4	0.0	6089.4	8698.1	2608.7	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2799.8	23.8	2776.0	10262.0	7485.9	315	2688	0	3003	1.0726	
TrCanCharges	1340.0	15.4	1324.6	1477.2	152.5	0	698	0	698	0.5206	
IroqCharges	1324.6	8.2	1316.4	1477.2	160.8	118	640	0	757	0.5717	
ENGPNGTS	345.0	3.5	341.5	365.0	23.5	1	312	0	312	0.9056	
ENGLNG	116.1	0.0	116.1	8654.9	8538.8	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4259.5	8.9	4250.5	10950.0	6699.5	185	4388	0	4573	1.0737	
UnionCharges	1355.5	15.4	1340.0	1477.2	137.1	0	140	0	140	0.1033	
Dracut 20	2116.9	4.4	2112.4	7300.0	5187.6	92	1134	0	1226	0.5790	
ENGTGPZ4	2235.1	62.3	2172.8	9125.0	6952.2	665	0	0	665	0.2976	
Z4toTGPLH	3950.2	33.6	3916.6	7665.0	3748.4	445	0	0	445	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2029 thru OCT 2030

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary											
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
Z4toStg	2740.2	9.0	2731.1	7882.5	5151.4	136	0	0	136	0.0495	
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000	
GranBrdgPL	5478.1	11.5	5466.6	73000.0	67533.4	238		0			
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000	
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000	
LNGtoRT101	2413.1	6.8	2406.4	56666.3	54259.9	78	0	0	78	0.0323	
LNGtoLNG	116.1	0.0	116.1	2920.0	2803.9	58	0	0	58	0.5000	
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000	
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000	
DAWNTCPL	3168.9	50.4	3118.5	3126.5	8.0	0	3158	0	3158	0.9965	
PNGTS2RT101	3118.5	46.8	3071.7	3079.6	7.8	0		0			
Total		309.3				2454					

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	174	Transportation Cost	2467	JAN 19, 2031	
Penalty Cost	0	Withdrawal Cost	71	Other Variable Cost	0	System Served	210.02
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	210.02
Total Variable	████	Total Variable	245	Total Variable	2467		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	151807
						Total Revenue	0
						Net Cost	151807

Avg Cost of Served Demand 7.192 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.703 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0	
Total	21108.2	0.0	21108.2	0.0	21108.2	21108.2	0.0	0	210.0	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2341.9	18250.0	15908.1			3.3221	7780	0	7780	3.3221
ENGNiagara	1146.6	1167.3	20.6			2.7228	3122	0	3122	2.7228
ENGPNGTS	357.0	365.0	8.0			3.6667	1309	0	1309	3.6667
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.5648	17159	0	17159	2.5648
Dracut 20	3278.7	7373.0	4094.3			5.1817	16989	0	16989	5.1817
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1370.6	2190.0	819.4			3.1935	4377	0	4377	3.1935
DAWN	3170.0	3177.0	7.0			3.1784	10076	0	10076	3.1784

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3377.5	10950.0	7572.5			5.8238	19670	0	19670	5.8238
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21732.7									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	115.6	115.6	0	0.0	13	100	0.0	0	79	80	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3822	3858	36
ENGDominion	103	100	107.3	105.2	0	2.1	103	100	0.0	0	267	270	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1733	1751	19
ENGHON	246	100	231.0	231.0	0	0.0	246	100	0.0	0	623	629	6
GranBrdgLNG	2363	91	2781.0	2524.6	0	252.8	2366	91	25.2	4	6964	7039	76
Total	4893	94	5731.3	5448.1	0	279.6	4897	95	30.9	4	13648	13787	138

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2341.9	0.0	2341.9	7882.5	5540.6	0	5043	0	5043	2.1534	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6090.6	0.0	6090.6	8698.1	2607.5	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2802.2	23.8	2778.4	10262.0	7483.6	316	2688	0	3003	1.0718	
TrCanCharges	1355.0	15.6	1339.4	1477.2	137.8	0	698	0	698	0.5148	
IroqCharges	1339.4	8.3	1331.1	1477.2	146.1	119	640	0	759	0.5664	
ENGPNGTS	357.0	3.6	353.4	365.0	11.6	1	312	0	312	0.8752	
ENGLNG	115.6	0.0	115.6	8654.9	8539.3	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4356.8	9.1	4347.7	10950.0	6602.3	189	4388	0	4577	1.0506	
UnionCharges	1370.6	15.6	1355.0	1477.2	122.2	0	140	0	140	0.1022	
Dracut 20	2299.4	4.8	2294.5	7300.0	5005.5	100	1134	0	1234	0.5365	
ENGTGPZ4	2236.5	62.3	2174.2	9125.0	6950.8	666	0	0	666	0.2976	
Z4toTGPLH	3949.9	33.6	3916.4	7665.0	3748.6	445	0	0	445	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2030 thru OCT 2031

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2740.5	9.0	2731.4	7882.5	5151.1	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5449.9	11.4	5438.4	73000.0	67561.6	237		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2383.8	6.7	2377.1	56666.3	54289.1	77	0	0	77	0.0323
LNGtoLNG	115.6	0.0	115.6	2920.0	2804.4	58	0	0	58	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3170.0	50.4	3119.6	3126.5	6.9	0	3158	0	3158	0.9961
PNGTS2RT101	3119.6	46.8	3072.8	3079.6	6.8	0		0		
Total		310.4				2467				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	173	Transportation Cost	2485	JAN 19, 2032	
Penalty Cost	0	Withdrawal Cost	71	Other Variable Cost	0	System Served	212.97
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	212.97
Total Variable	████	Total Variable	244	Total Variable	2485		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	155056
						Total Revenue	0
						Net Cost	155056

Avg Cost of Served Demand 7.220 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.788 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0	
Total	21476.7	0.0	21476.7	0.0	21476.7	21476.7	0.0	0	213.0	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2359.0	18300.0	15941.0			3.3556	7916	0	7916	3.3556
ENGNiagara	1149.8	1170.5	20.7			2.7509	3163	0	3163	2.7509
ENGPNGTS	358.7	366.0	7.3			3.7165	1333	0	1333	3.7165
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6698.7	6698.7	0.0			2.5910	17356	0	17356	2.5910
Dracut 20	3354.4	7393.2	4038.8			5.3350	17896	0	17896	5.3350
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1387.5	2196.0	808.5			3.2246	4474	0	4474	3.2246
DAWN	3179.6	3185.7	6.1			3.2111	10210	0	10210	3.2111

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:39:12

NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3610.2	10980.0	7369.8			5.9183	21366	0	21366	5.9183
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22097.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	112.7	112.7	0	0.0	13	100	0.0	0	80	80	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3858	3896	38
ENGDominion	103	100	107.6	105.5	0	2.1	103	100	0.0	0	270	272	2
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1751	1766	15
ENGHON	246	100	227.6	227.6	0	0.0	246	100	0.0	0	629	636	7
GranBrdgLNG	2366	91	2752.9	2501.5	0	250.3	2368	92	25.0	1	7039	7110	71
Total	4897	95	5697.1	5419.0	0	277.1	4898	95	30.7	1	13787	13921	134

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2359.0	0.0	2359.0	7904.1	5545.2	0	5043	0	5043	2.1379	
ENGTGP2Stg	105.4	2.2	103.2	7904.1	7800.9	27	0	0	27	0.2572	
ENGTGPLong	6118.4	0.0	6118.4	8719.7	2601.3	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2799.1	23.8	2775.3	10290.1	7514.7	315	2688	0	3003	1.0728	
TrCanCharges	1371.7	15.8	1356.0	1481.2	125.2	0	698	0	698	0.5085	
IroqCharges	1356.0	8.4	1347.6	1481.2	133.6	120	640	0	760	0.5606	
ENGPNGTS	358.7	3.6	355.1	366.0	10.9	1	312	0	312	0.8711	
ENGLNG	112.7	0.0	112.7	8678.6	8565.9	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG C3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	4608.3	9.7	4598.6	10980.0	6381.4	200	4388	0	4588	0.9957	
UnionCharges	1387.5	15.8	1371.7	1481.2	109.5	0	140	0	140	0.1009	
Dracut 20	2356.3	4.9	2351.4	7320.0	4968.6	102	1134	0	1236	0.5245	
ENGTGPZ4	2253.5	62.8	2190.7	9150.0	6959.3	671	0	0	671	0.2976	
Z4toTGPLH	3961.3	33.7	3927.7	7686.0	3758.3	446	0	0	446	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:39:12

NOV 2031 thru OCT 2032

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2737.4	9.0	2728.3	7904.1	5175.8	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5439.3	11.4	5427.9	73200.0	67772.1	236		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2363.8	6.6	2357.2	56821.5	54464.3	76	0	0	76	0.0323
LNGtoLNG	112.7	0.0	112.7	2928.0	2815.3	56	0	0	56	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3179.6	50.6	3129.0	3135.0	6.0	0	3158	0	3158	0.9931
PNGTS2RT101	3129.0	46.9	3082.1	3088.0	5.9	0		0		
Total		312.3				2485				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:39:12

NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	171	Transportation Cost	2487	JAN 19, 2033	
Penalty Cost	0	Withdrawal Cost	71	Other Variable Cost	0	System Served	215.84
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	215.84
Total Variable	████	Total Variable	241	Total Variable	2487		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	157448
						Total Revenue	0
						Net Cost	157448

Avg Cost of Served Demand 7.263 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.862 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0	
Total	21678.1	0.0	21678.1	0.0	21678.1	21678.1	0.0	0	215.8	0.0	

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2348.6	18250.0	15901.4			3.3882	7957	0	7957	3.3882
ENGNiagara	1146.6	1167.3	20.6			2.7775	3185	0	3185	2.7775
ENGPNGTS	358.0	365.0	7.0			3.7484	1342	0	1342	3.7484
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6163	17504	0	17504	2.6163
Dracut 20	3422.6	7373.0	3950.4			5.4311	18588	0	18588	5.4311
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1394.9	2190.0	795.1			3.2543	4539	0	4539	3.2543
DAWN	3171.7	3177.0	5.3			3.2423	10283	0	10283	3.2423

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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Report 1 (Continued) 10:39:12

NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3762.2	10950.0	7187.8			6.0353	22706	0	22706	6.0353
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22295.0									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	112.4	112.4	0	0.0	13	100	0.0	0	80	81	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3896	3933	37
ENGDominion	103	100	107.6	105.5	0	2.1	103	100	0.0	0	272	276	3
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1766	1784	17
ENGHON	246	100	227.5	227.5	0	0.0	246	100	0.0	0	636	642	6
GranBrdgLNG	2368	92	2706.7	2458.9	0	246.1	2369	92	24.6	2	7110	7179	69
Total	4898	95	5650.5	5376.0	0	272.9	4900	95	30.2	2	13921	14054	133

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2348.6	0.0	2348.6	7882.5	5534.0	0	5043	0	5043	2.1474	
ENGTGP2Stg	105.4	2.2	103.2	7882.5	7779.3	27	0	0	27	0.2572	
ENGTGPLong	6100.2	0.0	6100.2	8698.1	2597.9	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2799.0	23.8	2775.2	10262.0	7486.7	315	2688	0	3003	1.0729	
TrCanCharges	1379.0	15.9	1363.2	1477.2	114.0	0	698	0	698	0.5058	
IroqCharges	1363.2	8.5	1354.7	1477.2	122.4	121	640	0	761	0.5581	
ENGPNGTS	358.0	3.6	354.4	365.0	10.6	1	312	0	312	0.8728	
ENGLNG	112.4	0.0	112.4	8654.9	8542.5	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4690.6	9.9	4680.8	10950.0	6269.2	204	4388	0	4592	0.9790	
UnionCharges	1394.9	15.9	1379.0	1477.2	98.1	0	140	0	140	0.1004	
Dracut 20	2494.2	5.2	2488.9	7300.0	4811.1	108	1134	0	1242	0.4979	
ENGTGPZ4	2243.2	62.5	2180.6	9125.0	6944.4	667	0	0	667	0.2976	
Z4toTGPLH	3953.2	33.6	3919.5	7665.0	3745.5	445	0	0	445	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:39:12

NOV 2032 thru OCT 2033

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2737.2	9.0	2728.2	7882.5	5154.3	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5389.8	11.3	5378.5	73000.0	67621.5	234		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2321.9	6.5	2315.4	56666.3	54350.9	75	0	0	75	0.0323
LNGtoLNG	112.4	0.0	112.4	2920.0	2807.6	56	0	0	56	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWNTCPL	3171.7	50.4	3121.3	3126.5	5.2	0	3158	0	3158	0.9956
PNGTS2RT101	3121.3	46.8	3074.5	3079.6	5.1	0		0		
Total		312.1				2487				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:39:12

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	167	Transportation Cost	2495	JAN 19, 2034	
Penalty Cost	0	Withdrawal Cost	70	Other Variable Cost	0	System Served	218.83
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	218.83
Total Variable	████	Total Variable	237	Total Variable	2495		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	160519
						Total Revenue	0
						Net Cost	160519

Avg Cost of Served Demand 7.309 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.951 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0	
Total	21960.5	0.0	21960.5	0.0	21960.5	21960.5	0.0	0	218.8	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2351.7	18250.0	15898.3			3.4217	8047	0	8047	3.4217
ENGNiagara	1146.6	1167.3	20.6			2.8053	3217	0	3217	2.8053
ENGPNGTS	359.0	365.0	6.0			3.7876	1360	0	1360	3.7876
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6425	17679	0	17679	2.6425
Dracut 20	3615.0	7373.0	3758.0			5.5153	19938	0	19938	5.5153
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1405.5	2190.0	784.5			3.2854	4618	0	4618	3.2854
DAWN	3172.3	3177.0	4.7			3.2746	10388	0	10388	3.2746

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:39:12

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3830.7	10950.0	7119.3			6.2463	23928	0	23928	6.2463
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22571.2									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	111.8	111.8	0	0.0	13	100	0.0	0	81	82	1
ENGFSMA	1498	96	1775.5	1756.5	0	19.0	1498	96	0.0	0	3933	3971	38
ENGDominion	103	100	106.1	104.1	0	2.1	103	100	0.0	0	276	279	4
ENGNGFG	671	100	720.9	715.2	0	5.7	671	100	5.6	0	1784	1800	17
ENGHON	246	100	226.3	226.3	0	0.0	246	100	0.0	0	642	648	6
GranBrdgLNG	2369	92	2636.0	2394.4	0	239.6	2371	92	23.9	2	7179	7250	71
Total	4900	95	5576.6	5308.3	0	266.4	4902	95	29.6	2	14054	14189	136

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2351.7	0.0	2351.7	7882.5	5530.9	0	5043	0	5043	2.1445	
ENGTGP2Stg	106.4	2.2	104.2	7882.5	7778.4	27	0	0	27	0.2572	
ENGTGPLong	6105.9	0.0	6105.9	8698.1	2592.2	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2796.4	23.8	2772.6	10262.0	7489.3	315	2688	0	3003	1.0737	
TrCanCharges	1389.5	16.0	1373.5	1477.2	103.6	0	698	0	698	0.5020	
IroqCharges	1373.5	8.5	1365.0	1477.2	112.1	122	640	0	762	0.5545	
ENGPNGTS	359.0	3.6	355.4	365.0	9.6	1	312	0	312	0.8703	
ENGLNG	111.8	0.0	111.8	8654.9	8543.0	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4863.8	10.2	4853.6	10950.0	6096.4	211	4388	0	4599	0.9456	
UnionCharges	1405.5	16.0	1389.5	1477.2	87.7	0	140	0	140	0.0996	
Dracut 20	2581.8	5.4	2576.4	7300.0	4723.6	112	1134	0	1246	0.4825	
ENGTGPZ4	2245.3	62.6	2182.8	9125.0	6942.2	668	0	0	668	0.2976	
Z4toTGPLH	3956.7	33.6	3923.1	7665.0	3741.9	446	0	0	446	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:39:12

NOV 2033 thru OCT 2034

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2733.7	9.0	2724.6	7882.5	5157.9	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5327.3	11.2	5316.1	73000.0	67683.9	231		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2258.6	6.3	2252.3	56666.3	54414.0	73	0	0	73	0.0323
LNGtoLNG	111.8	0.0	111.8	2920.0	2808.2	56	0	0	56	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3172.3	50.4	3121.8	3126.5	4.6	0	3158	0	3158	0.9954
PNGTS2RT101	3121.8	46.8	3075.0	3079.6	4.6	0		0		
Total		312.8				2495				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	165	Transportation Cost	2501	JAN 19, 2035	
Penalty Cost	0	Withdrawal Cost	69	Other Variable Cost	0	System Served	221.63
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	221.63
Total Variable	████	Total Variable	234	Total Variable	2501		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	163616
						Total Revenue	0
						Net Cost	163616

Avg Cost of Served Demand 7.361 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.041 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0
Total	22227.3	0.0	22227.3	0.0	22227.3	22227.3	0.0	0	221.6	0.0

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2353.8	18250.0	15896.2			3.4558	8134	0	8134	3.4558
ENGNiagara	1146.6	1167.3	20.6			2.8333	3249	0	3249	2.8333
ENGPNGTS	359.0	365.0	6.0			3.8255	1373	0	1373	3.8255
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.6689	17856	0	17856	2.6689
Dracut 20	3700.1	7373.0	3672.9			5.6597	20942	0	20942	5.6597
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1415.1	2190.0	774.9			3.3169	4694	0	4694	3.3169
DAWN	3172.8	3177.0	4.2			3.3074	10494	0	10494	3.3074

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	3994.1	10950.0	6955.9			6.3909	25526	0	25526	6.3909
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	22831.9									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	107.1	107.1	0	0.0	13	100	0.0	0	82	82	1
ENGFSMA	1498	96	1774.7	1755.7	0	19.0	1498	96	0.0	0	3971	4008	38
ENGDominion	103	100	105.0	102.9	0	2.0	103	100	0.0	0	279	282	2
ENGNGFG	671	100	721.5	715.8	0	5.7	671	100	5.7	0	1800	1818	18
ENGHON	246	100	226.4	226.4	0	0.0	246	100	0.0	0	648	654	6
GranBrdgLNG	2371	92	2575.8	2340.4	0	234.2	2372	92	23.4	1	7250	7320	70
Total	4902	95	5510.4	5248.3	0	260.9	4903	95	29.1	1	14189	14324	135

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2353.8	0.0	2353.8	7882.5	5528.8	0	5043	0	5043	2.1426	
ENGTGP2Stg	105.3	2.2	103.1	7882.5	7779.4	27	0	0	27	0.2572	
ENGTGPLong	6109.1	0.0	6109.1	8698.1	2589.0	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2795.2	23.8	2771.4	10262.0	7490.6	315	2688	0	3003	1.0742	
TrCanCharges	1399.0	16.1	1382.9	1477.2	94.2	0	698	0	698	0.4986	
IroqCharges	1382.9	8.6	1374.3	1477.2	102.8	123	640	0	762	0.5514	
ENGPNGTS	359.0	3.6	355.4	365.0	9.6	1	312	0	312	0.8703	
ENGLNG	107.1	0.0	107.1	8654.9	8547.8	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	5031.6	10.6	5021.1	10950.0	5928.9	218	4388	0	4607	0.9156	
UnionCharges	1415.1	16.1	1399.0	1477.2	78.2	0	140	0	140	0.0989	
Dracut 20	2662.6	5.6	2657.0	7300.0	4643.0	116	1134	0	1249	0.4692	
ENGTGPZ4	2248.5	62.7	2185.8	9125.0	6939.2	669	0	0	669	0.2976	
Z4toTGPLH	3956.9	33.6	3923.3	7665.0	3741.7	446	0	0	446	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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Report 1 (Continued) 10:39:12

NOV 2034 thru OCT 2035

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2733.5	9.0	2724.4	7882.5	5158.1	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5279.2	11.1	5268.1	73000.0	67731.9	229		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2209.9	6.2	2203.7	56666.3	54462.5	71	0	0	71	0.0323
LNGtoLNG	107.1	0.0	107.1	2920.0	2812.9	54	0	0	54	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3172.8	50.4	3122.4	3126.5	4.1	0	3158	0	3158	0.9953
PNGTS2RT101	3122.4	46.8	3075.5	3079.6	4.1	0		0		
Total		313.4				2501				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
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Commodity Cost	████	Injection Cost	161	Transportation Cost	2517	JAN 19, 2036	
Penalty Cost	0	Withdrawal Cost	69	Other Variable Cost	0	System Served	224.15
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	224.15
Total Variable	████	Total Variable	230	Total Variable	2517		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	167062
						Total Revenue	0
						Net Cost	167062

Avg Cost of Served Demand 7.404 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.137 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0	
Total	22564.0	0.0	22564.0	0.0	22564.0	22564.0	0.0	0	224.1	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	2369.0	18300.0	15931.0			3.4908	8270	0	8270	3.4908
ENGNiagara	1149.8	1170.5	20.7			2.8626	3291	0	3291	2.8626
ENGPNGTS	360.0	366.0	6.0			3.8718	1394	0	1394	3.8718
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6698.7	6698.7	0.0			2.6962	18061	0	18061	2.6962
Dracut 20	3835.9	7393.2	3557.3			5.7900	22210	0	22210	5.7900
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG Dawn	1427.2	2196.0	768.8			3.3499	4781	0	4781	3.3499
DAWN	3182.0	3185.7	3.7			3.3413	10632	0	10632	3.3413

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:39:12

NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	4109.1	10980.0	6870.9			6.5860	27063	0	27063	6.5860
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	23131.8									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	106.5	106.5	0	0.0	13	100	0.0	0	82	83	1
ENGFSMA	1498	96	1772.9	1754.0	0	19.0	1498	96	0.0	0	4008	4047	39
ENGDominion	103	100	104.9	102.8	0	2.0	103	100	0.0	0	282	283	1
ENGNGFG	671	100	722.4	716.7	0	5.7	671	100	5.7	0	1818	1837	19
ENGHON	246	100	230.1	230.1	0	0.0	246	100	0.0	0	654	660	6
GranBrdgLNG	2372	92	2503.0	2305.7	0	227.5	2342	91	23.1	-30	7320	7292	-27
Total	4903	95	5440.0	5215.9	0	254.3	4873	94	28.7	-30	14324	14362	38

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2369.0	0.0	2369.0	7904.1	5535.1	0	5043	0	5043	2.1288	
ENGTGP2Stg	105.9	2.2	103.7	7904.1	7800.4	27	0	0	27	0.2572	
ENGTGPLong	6129.4	0.0	6129.4	8719.7	2590.3	0	0	0	0	0.0000	
ENGTGPBND	1149.8	7.1	1142.7	1142.7	0.0	98	267	0	365	0.3179	
ENGTGPShort	2798.0	23.8	2774.2	10290.1	7515.9	315	2688	0	3003	1.0732	
TrCanCharges	1411.0	16.2	1394.8	1481.2	86.4	0	698	0	698	0.4944	
IroqCharges	1394.8	8.6	1386.1	1481.2	95.1	124	640	0	764	0.5474	
ENGPNGTS	360.0	3.6	356.4	366.0	9.6	1	312	0	312	0.8679	
ENGLNG	106.5	0.0	106.5	8678.6	8572.1	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6370.0	6370.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4392.0	4392.0	0	0	0	0	0.0000	
Dracut 30	5295.4	11.1	5284.3	10980.0	5695.7	230	4388	0	4618	0.8721	
UnionCharges	1427.2	16.3	1411.0	1481.2	70.2	0	140	0	140	0.0981	
Dracut 20	2649.6	5.6	2644.0	7320.0	4676.0	115	1134	0	1249	0.4713	
ENGTGPZ4	2263.1	63.1	2200.1	9150.0	6949.9	673	0	0	673	0.2976	
Z4toTGPLH	3963.0	33.7	3929.3	7686.0	3756.7	446	0	0	446	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
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NOV 2035 thru OCT 2036

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2735.7	9.0	2726.7	7904.1	5177.5	136	0	0	136	0.0495
Engie2CG	0.0	0.0	0.0	1064.0	1064.0	0	0	0	0	0.0000
GranBrdgPL	5254.5	11.0	5243.4	73200.0	67956.6	228		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2176.1	6.1	2170.0	56821.5	54651.5	70	0	0	70	0.0323
LNGtoLNG	106.5	0.0	106.5	2928.0	2821.5	53	0	0	53	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3182.0	50.6	3131.4	3135.0	3.6	0	3158	0	3158	0.9924
PNGTS2RT101	3131.4	47.0	3084.5	3088.0	3.5	0		0		
Total		315.0				2517				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 10:39:12

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	160	Transportation Cost	2521	JAN 19, 2037	
Penalty Cost	0	Withdrawal Cost	70	Other Variable Cost	0	System Served	226.86
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	226.86
Total Variable	████	Total Variable	230	Total Variable	2521		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	167596
						Total Revenue	0
						Net Cost	167596

Avg Cost of Served Demand 7.369 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.158 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0
Total	22742.6	0.0	22742.6	0.0	22742.6	22742.6	0.0	0	226.9	0.0

Supply Summary										
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net Cost
ENGUSGC	2356.8	18250.0	15893.2			3.5249	8308	0	8308	3.5249
ENGNiagara	1146.6	1167.3	20.6			2.8903	3314	0	3314	2.8903
ENGPNGTS	359.0	365.0	6.0			3.9024	1401	0	1401	3.9024
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0	0.0000
ENG-Z4	6690.4	6690.4	0.0			2.7226	18215	0	18215	2.7226
Dracut 20	3828.1	7373.0	3544.9			5.8003	22204	0	22204	5.8003
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0	0.0000
ENG3Dawn	1430.5	2190.0	759.5			3.3814	4837	0	4837	3.3814
DAWN	3173.9	3177.0	3.1			3.3738	10708	0	10708	3.3738

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:39:12

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	4160.4	10950.0	6789.6			6.5485	27244	0	27244	6.5485
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	23145.6									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	100.9	100.9	0	0.0	13	100	0.0	0	83	84	1
ENGFSMA	1498	96	1771.1	1752.1	0	19.0	1498	96	0.0	0	4047	4086	39
ENGDominion	103	100	104.9	102.8	0	2.0	103	100	0.0	0	283	286	3
ENGNGFG	671	100	724.5	718.8	0	5.7	671	100	5.7	0	1837	1854	17
ENGHON	246	100	229.0	229.0	0	0.0	246	100	0.0	0	660	667	7
GranBrdgLNG	2342	91	2470.1	2439.0	0	224.6	2149	83	24.4	-193	7292	6746	-546
Total	4873	94	5400.4	5342.6	0	251.3	4679	90	30.1	-193	14362	13883	-480

Transportation Summary										
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
ENGTGPPProd	2356.8	0.0	2356.8	7882.5	5525.7	0	5043	0	5043	2.1399
ENGTGP2Stg	106.8	2.2	104.6	7882.5	7778.0	27	0	0	27	0.2572
ENGTGPLong	6110.2	0.0	6110.2	8698.1	2587.9	0	0	0	0	0.0000
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185
ENGTGPShort	2797.1	23.8	2773.3	10262.0	7488.7	315	2688	0	3003	1.0735
TrCanCharges	1414.2	16.3	1397.9	1477.2	79.3	0	698	0	698	0.4933
IroqCharges	1397.9	8.7	1389.2	1477.2	87.9	124	640	0	764	0.5464
ENGPNGTS	359.0	3.6	355.4	365.0	9.6	1	312	0	312	0.8703
ENGLNG	100.9	0.0	100.9	8654.9	8554.0	0	0	0	0	0.0000
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000
Dracut 30	5274.2	11.1	5263.1	10950.0	5686.9	229	4388	0	4617	0.8754
UnionCharges	1430.5	16.3	1414.2	1477.2	63.0	0	140	0	140	0.0979
Dracut 20	2714.2	5.7	2708.5	7300.0	4591.5	118	1134	0	1252	0.4611
ENGTGPZ4	2250.1	62.7	2187.4	9125.0	6937.6	670	0	0	670	0.2976
Z4toTGPLH	3956.5	33.6	3922.9	7665.0	3742.1	446	0	0	446	0.1126

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1 15-Nov-2017
Report 1 (Continued) 10:39:12

NOV 2036 thru OCT 2037

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2733.9	9.0	2724.9	7882.5	5157.6	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5383.8	11.3	5372.5	73000.0	67627.5	234		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2313.8	6.5	2307.3	56666.3	54359.0	75	0	0	75	0.0323
LNGtoLNG	100.9	0.0	100.9	2920.0	2819.1	50	0	0	50	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	3173.9	50.5	3123.4	3126.5	3.1	0	3158	0	3158	0.9949
PNGTS2RT101	3123.4	46.9	3076.5	3079.6	3.0	0		0		
Total		315.1				2521				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
SENDOUT® Version 14.1.1 REP 1
Report 1

NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	████	Injection Cost	82	Transportation Cost	2432	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	72	Other Variable Cost	0	System Served	229.59
Other Variable Cost	0	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable	████	Total Variable	154	Total Variable	2432		
Demand/Reservation Co	0	Demand Cost	████	Demand Cost	████		
Other Fixed Cost	0	Other Fixed Cost	973	Other Fixed Cost	0		
Total Fixed	0	Total Fixed	████	Total Fixed	████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	████	Net Storage Cost	████	Net Trans Cost	████	Total Gas Cost	162881
						Total Revenue	0
						Net Cost	162881

Avg Cost of Served Demand 7.079 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 4.261 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary										
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved
ENGINormal	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0
Total	23007.6	0.0	23007.6	0.0	23007.6	23007.6	0.0	0	229.6	0.0

Supply Summary											
	Total	Max		Take Under	Take Under	Av Comm	Total	Total	Net	Average	
Source	Take	Take	Surplus	Daily Min	Other Min	Cost	Var Cost	Fix Cost	Cost	Net	Cost
ENGUSGC	2323.9	18250.0	15926.1			3.5644	8283	0	8283		3.5644
ENGNiagara	1146.6	1167.3	20.6			2.9192	3347	0	3347		2.9192
ENGPNGTS	359.2	365.0	5.8			3.9418	1416	0	1416		3.9418
ENG3Winter	0.0	91.7	91.7			0.0000	0	0	0		0.0000
ENG-Z4	6690.4	6690.4	0.0			2.7498	18397	0	18397		2.7498
Dracut 20	3152.8	7373.0	4220.2			6.3224	19933	0	19933		6.3224
ENG3Summer	0.0	93.5	93.5			0.0000	0	0	0		0.0000
ENG3Dawn	968.6	2190.0	1221.4			3.5090	3399	0	3399		3.5090
DAWN	2750.9	3177.0	426.1			3.4344	9448	0	9448		3.4344

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	4122.1	10950.0	6827.9			6.6611	27458	0	27458	6.6611
Engie Combo	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Total	21514.5									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	96.9	97.6	0	0.0	12	95	0.0	-1	84	83	-1
ENGFSMA	1498	96	1754.4	1751.2	0	18.8	1482	95	0.0	-16	4086	4087	1
ENGDomainion	103	100	107.0	104.9	0	2.1	103	100	0.0	0	286	289	3
ENGNGFG	671	100	723.7	718.0	0	5.7	671	100	5.7	0	1854	1874	20
ENGHON	246	100	228.9	228.9	0	0.0	246	100	0.0	0	667	674	7
GranBrdgLNG	2149	83	757.0	2578.2	0	68.8	259	10	25.8	-1890	6746	829	-5917
Total	4679	90	3668.0	5478.9	0	95.4	2773	54	31.5	-1906	13883	7996	-5887

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	
ENGTGPProd	2323.9	0.0	2323.9	7882.5	5558.6	0	5043	0	5043	2.1701	
ENGTGP2Stg	104.9	2.1	102.8	7882.5	7779.7	27	0	0	27	0.2572	
ENGTGPLong	6093.6	0.0	6093.6	8698.1	2604.5	0	0	0	0	0.0000	
ENGTGPBND	1146.6	7.1	1139.5	1139.5	0.0	98	267	0	365	0.3185	
ENGTGPShort	2797.4	23.8	2773.6	10262.0	7488.4	315	2688	0	3003	1.0734	
TrCanCharges	957.6	11.0	946.6	1477.2	530.6	0	698	0	698	0.7285	
IroqCharges	946.6	5.9	940.7	1477.2	536.5	84	640	0	724	0.7646	
ENGPNGTS	359.2	3.6	355.6	365.0	9.4	1	312	0	312	0.8699	
ENGLNG	97.6	0.0	97.6	8654.9	8557.3	0	0	0	0	0.0000	
ENGPropane	0.0	0.0	0.0	6335.0	6335.0	0	0	0	0	0.0000	
ENG3Truck	0.0	0.0	0.0	4380.0	4380.0	0	0	0	0	0.0000	
Dracut 30	4607.1	9.7	4597.5	10950.0	6352.5	200	4388	0	4588	0.9959	
UnionCharges	968.6	11.0	957.6	1477.2	519.6	0	140	0	140	0.1445	
Dracut 20	2667.7	5.6	2662.1	7300.0	4637.9	116	1134	0	1249	0.4684	
ENGTGPZ4	2219.0	61.8	2157.1	9125.0	6967.9	660	0	0	660	0.2976	
Z4toTGPLH	3970.2	33.7	3936.4	7665.0	3728.6	447	0	0	447	0.1126	

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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NOV 2037 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

=====										
Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Z4toStg	2720.2	9.0	2711.2	7882.5	5171.3	135	0	0	135	0.0495
Engie2CG	0.0	0.0	0.0	1057.0	1057.0	0	0	0	0	0.0000
GranBrdgPL	5115.1	10.7	5104.4	73000.0	67895.6	222		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	2455.5	6.9	2448.6	56666.3	54217.6	79	0	0	79	0.0323
LNGtoLNG	96.9	0.0	96.9	2920.0	2823.1	48	0	0	48	0.5000
Engie2ENGLNG	0.0	0.0	0.0	50.0	50.0	0	0	0	0	0.0000
Dawn2Dracut	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
DAWN2CPL	2750.9	43.7	2707.1	3126.5	419.3	0	3158	0	3158	1.1479
PNGTS2RT101	2707.1	40.6	2666.5	3079.6	413.1	0		0		
Total		286.3				2432				

Base Case with 2.5 BCF Tank
- Draw 0

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NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Costs		Storage Costs		Transportation Costs		Peak Subperiod	
-----		-----		-----		-----	
Commodity Cost	██████	Injection Cost	3001	Transportation Cost	50073	JAN 19, 2038	
Penalty Cost	0	Withdrawal Cost	1364	Other Variable Cost	0	System Served	229.59
Other Variable Cost	1702	Carrying Cost	0			System Unserved	0.00
		Other Variable Cost	0			Total	229.59
Total Variable	██████	Total Variable	4365	Total Variable	50073		
Demand/Reservation Co	██████	Demand Cost	██████	Demand Cost	██████		
Other Fixed Cost	13335	Other Fixed Cost	20435	Other Fixed Cost	0		
Total Fixed	██████	Total Fixed	██████	Total Fixed	██████		
Sup Release Revenue	0	Sto Release Revenue	0	Cap Release Revenue	0		
Net Supply Cost	██████	Net Storage Cost	██████	Net Trans Cost	██████	Total Gas Cost	2876272
						Total Revenue	0
						Net Cost	2876272

Avg Cost of Served Demand 6.915 USD/DT
(System Cost/Served Dem.)

Avg Cost of Gas Purchased 3.731 USD/DT
(Supply Cost/LDC Purchase)

Demand Summary											
Class	Demand Before DSM	DSM Impact	Net Demand	Imbal. Served	Demand After Unb.	Served	Unserved	Revenue	Peak Served	Peak Unserved	
ENGINormal	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0	
Total	415970.5	0.0	415970.5	0.0	415970.5	415970.5	0.0	0	229.6	0.0	

Supply Summary										
Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGUSGC	49137.1	383500.0	334362.9			3.1809	156298	0	156298	3.1809
ENGNiagara	24086.5	24528.7	442.2			2.5609	61683	0	61683	2.5609
ENGPNGTS	6860.9	7670.0	809.1			3.5563	24400	0	24400	3.5563
ENG3Winter	458.7	1926.6	1467.9			15.0000	6881	0	6881	15.0000
ENG-Z4	140300.8	140539.9	239.0			2.4166	339053	0	339053	2.4166
DLiqWinter	1250.0	1250.0	0.0							
Dracut 20	64316.4	154934.0	90617.6			5.5280	355538	0	355538	5.5280
ENG3Summer	276.4	1962.6	1686.2			10.0000	2764	0	2764	10.0000
DLiqSummer	84.0	84.0	0.0							

Base Case with 2.5 BCF Tank
- Draw 0

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NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

Supply Summary										
Source (cont)	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Net Cost	Average Net Cost
ENGDawn	24907.7	46020.0	21112.3			3.1314	77996	0	77996	3.1314
DAWN	55673.5	58141.8	2468.3			3.1063	172937	0	172937	3.1063
Repsol 40	0.0	0.0	0.0			0.0000	0	0	0	0.0000
Dracut 30	56676.4	230100.0	173423.6			6.0992	345680	0	345680	6.0992
Engie Combo	3150.0	3150.0	0.0							
Total	427178.4									

	Storage Summary												
Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
ENGLNG	13	100	3452.5	3453.1	0	0.0	12	95	0.0	-1	126	83	-43
ENGPropane	77	100	735.1	811.9	0	0.0	0	0	0.0	-77	953	160	-793
ENGFSMA	1482	95	37242.7	36844.2	0	398.5	1482	95	0.0	0	2573	4087	1514
ENGDominion	103	100	2262.4	2218.2	0	44.1	103	100	0.0	0	178	289	110
ENGNGFG	671	100	15151.3	15031.6	0	119.7	671	100	118.7	0	1164	1874	710
ENGHON	246	100	4863.7	4863.7	0	0.0	246	100	0.0	0	427	674	247
GranBrdgLNG	0	N/A	43992.5	39734.5	0	3999.3	259	10	397.3	259	0	829	829
Total	2591	N/A	107700.2	102957.2	0	4561.6	2773	104	516.1	181	5422	7996	2574

Transportation Summary											
Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost	Average Cost
ENGTGPPProd	49137.1	0.0	49137.1	165641.3	116504.2	0	105908	0	105908	2.1554	
ENGTGP2Stg	2210.4	45.2	2165.2	165641.3	163476.1	569	0	0	569	0.2572	
ENGTGPLong	127671.4	0.0	127671.4	182768.0	55096.5	0	0	0	0	0.0000	
ENGTGPBND	24086.5	149.3	23937.1	23945.7	8.6	2056	5614	0	7670	0.3184	
ENGTGPShort	58839.0	500.1	58338.9	215642.1	157303.2	6627	56441	0	63068	1.0719	
TrCanCharges	24624.0	283.2	24340.8	31040.5	6699.7	0	14649	0	14649	0.5949	
IroqCharges	24340.8	150.9	24189.9	31040.5	6850.6	2160	13435	0	15595	0.6407	
ENGPNGTS	6860.9	68.6	6792.3	7670.0	877.7	12	6548	0	6560	0.9562	
ENGLNG	3453.1	0.0	3453.1	181871.0	178417.9	0	0	0	0	0.0000	
ENGPropane	811.9	0.0	811.9	133210.0	132398.1	0	0	0	0	0.0000	
ENG3Truck	735.1	0.0	735.1	92040.0	91304.9	735	0	0	735	1.0000	
Dracut 30	86250.1	181.1	86069.0	230100.0	144031.0	3744	92155	0	95899	1.1119	
UnionCharges	24907.7	283.7	24624.0	31040.5	6416.5	0	2940	0	2940	0.1180	

Base Case with 2.5 BCF Tank
- Draw 0

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NOV 2017 thru OCT 2038

Cost and Flow Summary

Units: MDT, USD (000)

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Transportation Summary										
Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Net Cost	Average Net Cost
Dracut 20	37001.4	77.7	36923.6	153400.0	116476.4	1606	23807	0	25414	0.6868
ENGTGPZ4	46926.7	1307.9	45618.8	191750.0	146131.2	13964	0	0	13964	0.2976
Z4toTGPLH	82756.1	703.4	82052.6	161070.0	79017.4	9321	0	0	9321	0.1126
Z4toStg	57544.8	189.9	57354.9	165641.3	108286.5	2851	0	0	2851	0.0495
Engie2CG	2900.0	8.1	2891.9	22232.0	19340.1	97	0	0	97	0.0334
GranBrdgPL	89070.9	187.0	88883.9	1241800.0	1152916.1	3866		0		
Repsol to101	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
Repsol2Drac	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0.0000
LNGtoRT101	37468.6	104.9	37363.7	1190767.5	1153403.8	1211	0	0	1211	0.0323
LNGtoLNG	1868.5	0.0	1868.5	61360.0	59491.5	934	0	0	934	0.5000
Engie2ENGLNG	250.0	0.0	250.0	1050.0	800.0	250	0	0	250	1.0000
Dawn2Dracut	2330.8	72.0	2258.7	4098.3	1839.5	70		0		
DAWNTCPL	53342.8	848.1	52494.6	53184.2	689.6	0	53681	0	53681	1.0063
PNGTS2RT101	52494.6	787.4	51707.2	52386.5	679.3	0		0		
Total		5948.8				50073				

Base Case with 2.5 BCF Tank
- Draw 0

Ventyx
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Report 1X 10:39:12

RESOURCE MIX RESULTS

Units: MDT

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	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Supplies	DAWN	NOV 2021	OCT 2038	0.00	150.00	8.70
	Repsol 40	NOV 2021	OCT 2038	0.00	150.00	0.00
	Engie Combo	NOV 2022	OCT 2038	0.00	150.00	0.00

	Contract	Start Date	End Date	Min Level	Max Level	Result MDQ
	-----	-----	-----	-----	-----	-----
Segments	Repsol to101	NOV 2021	OCT 2038	0.00	150.00	0.00
	Repsol2Drac	NOV 2017	OCT 2038	0.00	50.00	0.00
	Dawn2Dracut	NOV 2021	OCT 2038	0.00	150.00	0.00
	DAWNTCPL	NOV 2021	OCT 2038	0.00	150.00	8.57
	PNGTS2RT101	NOV 2021	OCT 2038	0.00	150.00	8.44