Lookups and Assumptions

GENERAL INPUTS

Fuel	Electric
PA	Unitil Energy Systems In
Period	Planned
Year 1	**2021**
Year 2	**2022**
Year 3	**2023**

AVOIDED COST ASSUMPTIONS

Three-Year Inputs

Input	Unit
Real Year	Year
Half Year Factor	%
Wholesale Risk Premium	%
Distribution Losses	%
Pcnt of Capacity Bid into FCM (%Bid)	%
PTF losses	%
Energy Losses	%
Peak demand loses	%
Pounds per short ton	Pounds
MMBtu in 1 kWh	MMBtu
kWh in 1 MMBtu	kWh

Annual Inputs

Input	Unit
Nominal Discount Rate	%
Inflation	%
Real Discount Rate	%
PTF Avoided Costs	$ per kW
PTF Year	Year $
Avoided Local Transmission Costs	$ per kW
Avoided Distribution Costs	$ per kW
T&D Year	Year $
Res Water & Sewer	$ per gallon
CI Water	$ per gallon
T&D Year	Year $

Line Loss Inputs

Input	Unit

Summer Peak	%
Summer Off-Peak	%
Winter Peak	%
Winter Off-Peak	%
Average Loss	%

Benefit Toggles

Input	Unit
Energy DRIPE	Toggle
Electric Cross DRIPE	Toggle
Capacity DRIPE	Toggle
Reliability	Toggle
Gas Supply DRIPE	Toggle
Gas Electric Cross DRIPE	Toggle
Oil DRIPE	Toggle
Fossil emissions	Toggle
Fossil emissions RGGI	Toggle
Environmental Externalities	Toggle
NEI Adder	Toggle

NON-ENERGY IMPACTS

NEI Adder by sector	Unit
A - Residential	%
B - Low-Income	%
C - Commercial & Industrial	%

FOSSIL EMISSIONS

Fossil Emissions Scaling Factor

Percent of fossil emissions	%

Fossil Emissions Factors

	CO2 (pounds/MMBtu)
Natural Gas	116.60
Oil	161.30
Propane	136.90
Kerosene	159.40

Source / Notes

CO2 pounds:
Nox pounds:
CO2 value:
Nox value:

SALES

kWh Sales (2019)

Eversource Energy
Unitil Energy Systems Inc
Liberty
New Hampshire Electric Cooperative Inc

Statewide Total
2014 Kwh Sales

REFERENCED LISTS

Other Fuel Savings

Fuel Type in AESC

NG - Res All
NG - Res Hot Water
NG - Res Heating
NG - Res Non Heating
NG - C& I Gas Non Heating
NG - C&I Gas Heat
NG - C&I Gas All
Fuel Oil - Residential Distillate
Fuel Oil - Com Fuel
Fuel Oil - Industrial
Kerosene
Propane
Cord Wood
Pellet Wood
Res Water
C&I Water

End Use

Behavior
Custom Measures
Energy Star Homes
Envelope
Home Energy Services
Hot Water
HVAC
Lighting
Process
Refrigeration
Food Service
Compressed Air
Motors/Drives
BHVAC

Sectors

A - Residential
B - Low-Income
C - Commercial & Industrial

ELECTRIC Programs

LOW INCOME

Home Energy Assistance

RESIDENTIAL

Energy Star Homes
Home Performance with Energy Star

Energy Star Products
Education
Home Energy Reports
Res Customer Engagement Platform
ISO-NE Forward Capacity Market Expenses
Building Practices and Demo
A5 - Residential Active Demand Response
Res Other 2
Res Other 3
Res Other 4

C&I

Large Business Energy Solutions
Small Business Energy Solutions
Municipal Energy Solutions
Smart Start
C&I Customer Partnerships
Energy Rewards RFP Program
C&I Customer Engagement Platform
Education
ISO Forward Capacity Market Expenses
C5 - C&I Active Demand Response
CIM Other 2
CIM Other 3
CIM Other 4

GAS Programs

LOW INCOME

Home Energy Assistance

RESIDENTIAL

Energy Star Homes
Home Performance with Energy Star
Energy Star Products
Res Education
Res Gas Financing
Home Energy Reports

C&I

Large Business Energy Solutions
Small Business Energy Solutions
Educations
C&I On Bill Financing
Building Practices and Demo

Subprogram

LOW INCOME

HEA (Weatherization)
HEA (HVAC Systems)

RESIDENTIAL

ES Homes
HPwES (Weatherization)
HPwES (HVAC Systems)

non-HPwES (Multi-Family WXn)
HPwES 3rd Party Financing (Loan buy-down)
HPwES Visual Audit
HPwES 3rd Party Financing (Mod. Income Loan buy-down)
ES Lighting
ES Appliances (White Goods)
ES Appliances (HVAC Systems)
ES Products 3rd Party Financing (Loan buy-down)
ES Products 3rd Party Financing (Mod. Income Loan buy-down)
ES Products Visual Audit
US: Home Energy Reports
US: RES CEP
Res FCM Expenses
Building Practices and Demo
A5a - Residential Active Demand Response
US: Res Other 2
US: Res Other 3
US: Res Other 4

C&I

LCI (All)
LCI (Retrofit)
LCI (New Equipment and Construction)
LCI (New Equipment)
SCI (All)
SCI (Direct Install)
SCI (Retrofit)
SCI (New Equipment and Construction)
Muni (All)
Muni (Direct Install)
Muni (Retrofit)
Muni (New Equipment and Construction)
Muni (Weatherization)
Muni (HVAC Systems)
US: Smart Start
US: Partnerships
US: RFP
US: C&I CEP
Education
CI FCM Expenses
C5a - C&I Active Demand Response
US: CIM Other 2
US: CIM Other 3
US: CIM Other 4

c

2021-2023	Source / Notes
2021	Updated on December 15, 2020 to reflect 2021 AESC. Previous value wa
50.0%	Industry standard assumption.
8.0%	2021 AESC, March 2021 Release, Appendix B.
6.9%	
0%	No DR has been bid into the FCM
1.6%	2018 AESC, October 2018 Release, Appendix B.
9.0%	2021 AESC, March 2021 Release, Appendix B.
16.0%	2021 AESC, March 2021 Release, Appendix B.
2,000	Industry standard assumption.
0.00341	Industry standard assumption.
293.07	Industry standard assumption.

2021	2022	2023	Source / Notes
3.25%	3.25%	3.25%	Updated October 18, 2021 Energy Efficiency Group R http://www.moneycafe.com
2.03%	2.03%	2.03%	Updated October 18, 2021 https://fred.stlouisfed.org/c
1.19%	1.19%	1.19%	Calculated: Real Discount
$84.00	$84.00	$84.00	2021 AESC, March 2021 r
2021			2021 AESC, March 2021 r
			$0. At this time the NH Uti in the benefit cost model.
$79.98	$79.98	$79.98	
2017			
$0.0079	$0.0079	$0.0079	Average of Manchester, N
$0.0079	$0.0079	$0.0079	Average of Manchester, N
2016			

Eversource Factors	AESC 2018	Source / Notes

9.00%	15.90%	ISO New England default for electrical losses is 8 percent.
9.00%	17.50%	
9.00%	31.70%	
9.00%	34.90%	
9.00%		Used for Electric Cross DF

Included?	Source / Notes
Yes	
Yes	
Yes	
No	
Yes	
Yes	
Yes	
No	
Yes	
Yes	
No	

Value	Source / Notes
10%	Takes percent of total energy benefit (excludes water) and adds to total be
20%	Takes percent of total energy benefit (excludes water) and adds to total be
10%	Takes percent of total energy benefit (excludes water) and adds to total be

10.00%

Nox (pounds/MMBtu)	CO2 Value ($/ton)	Nox Value ($/ton)	CO2 Value ($/MMBTU)
0.09	100.00	11,954.59	$5.83
0.13	100.00	11,954.59	$8.07
0.14	100.00	11,954.59	$6.85
0.13	100.00	11,954.59	$7.97

7,685,115,046
1,162,491,979
899,231,963

9,746,838,988	
1,162,491,979	Used to calculate percent of sales savings (based on 2019 sales)

s 2018.

l. Based on the June 2021 Prime Rate in accordance with the Final
Report, dated July 6, 1999 in DR 96-150. Retrieved from
n/personal-finance/prime-rate/

l. Based on the inflation rate from Q1 2020 to Q1 2021, Retrieved from
data/GDPDEF.txt

Rate = [(1 + Nominal Discount Rate)/(1 + Inflation Rate)] – 1

release, page XXX-XXX.

release, page XXX-XXX.

lities do not have additional benefits related to avoided local transmission

H and Concord, NH water and sewer costs per gallon from July 2016.

H and Concord, NH water and sewer costs per gallon from July 2016.

0.01431
0.01575
0.02853
0.03141

RIPE

enefits.
enefits.
enefits.

Nox Value ($/MMBTU)	Total Value ($/MMBTU)
$0.55	**$6.38**
$0.78	**$8.84**
$0.85	**$7.70**
$0.78	**$8.75**

	A	B	C	D	E	F	G	H	I	J	K	L
1												
2												
3												
4	**Year**	**Sector** (Dropdown)	**Program** (Dropdown)	**Subprogram** (Dropdown)	**Internal Admin**	**External Admin**	**Rebate / Services**	**Implementation Services**	**Marketing**	**EM&V**	**Performance Incentive**	**TOTAL PA COSTS**
5	2021	A - Residential	A5 - Residential Active Demand Response	A5a - Residential Active Demand Response								**$ -**
7	2021	C - Commercial & Industrial	C5 - C&I Active Demand Response	C5a - C&I Active Demand Response								**$ -**
8	2022	A - Residential	A5 - Residential Active Demand Response	A5a - Residential Active Demand Response	$ 2,200		$ 57,840	$ 2,000		$ 1,200		**$ 63,240**
10	2022	C - Commercial & Industrial	C5 - C&I Active Demand Response	C5a - C&I Active Demand Response	$ 3,800	$ 1,200	$ 105,000	$ 8,000	$ 5,250	$ 15,000		**$ 138,250**
11	2023	A - Residential	A5 - Residential Active Demand Response	A5a - Residential Active Demand Response	$ 2,400		$ 59,472	$ 2,000		$ 1,300		**$ 65,172**
13	2023	C - Commercial & Industrial	C5 - C&I Active Demand Response	C5a - C&I Active Demand Response	$ 4,000	$ 1,400	$ 126,000	$ 8,000	$ 5,500	$ 15,000		**$ 159,900**

Sector (Dropdown)	Program (Dropdown)	Subprogram (Dropdown)
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active

Administrator: **Unitil Energy Systems**
Program Year: 2022

Measure	Measure ID
Direct Load Control Targeted Dispatch Upfront/Annual Incentive Summer	E21A5a001
Behavior DR	
Storage Daily Dispatch Upfront Incentive (savings) Summer	
Storage Daily Dispatch Upfront Incentive (consumption) Summer	
Storage Daily Dispatch Upfront Incentive (savings) Winter	
Storage Daily Dispatch Upfront Incentive (consumption) Winter	
Storage Daily Dispatch P4P (savings) Summer	E21A5a002
Storage Daily Dispatch P4P (consumption) Summer	E21A5a003
Storage Targeted Dispatch P4P (savings) Winter	
Storage Targeted Dispatch P4P (consumption) Winter	
EV Load Management Summer	
EV Load Management Winter	
Load Curtailment Targeted Dispatch P4P Summer	E21C5a001
Load Curtailment Targeted Dispatch P4P Winter	
Storage Daily Dispatch Upfront Incentive (savings) Summer	
Storage Daily Dispatch Upfront Incentive (consumption) Summer	
Storage Daily Dispatch Upfront Incentive (savings) Winter	
Storage Daily Dispatch Upfront Incentive (consumption) Winter	
Storage Daily Dispatch P4P (savings) Summer	E21C5a002
Storage Daily Dispatch P4P (consumption) Summer	E21C5a003
Storage Targeted Dispatch P4P (savings) Summer	E21C5a004
Storage Targeted Dispatch P4P (consumption) Summer	E21C5a005
Storage Targeted Dispatch P4P (savings) Winter	
Storage Targeted Dispatch P4P (consumption) Winter	
Custom	

Inc

End Use (Dropdown)	Quantity	Measure Life	Total Resource Cost	Incentive	Processing Costs
Behavior	816	1	$ 22.00	$ 22.00	$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior	15	1			$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -

	Impact Factors							
Customer Cost	Free-Ridership Rate	Spillover [Participant] Rate	Spillover [Non-Participant] Rate	Net to Gross	In-Service Rate	kWh Realization Rate	kW Winter Realization Rate	kW Summer Realization Rate
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -								
$ -								
$ -								
$ -								
$ -								
$ -								
$ -								
$ -								
$ -								

	Energy Savings					
Non Electric Realization Rate	Gross Annual kWh Saved	LS_ID (Dropdown)	Winter Peak Energy %	Winter Off-Peak Energy %	Summer Peak Energy %	Summer Off-Peak Energy %
100%		Summer Peak	0%	0%	100%	0%
100%		Summer Peak	0%	0%	100%	0%
100%		Summer Peak	0%	0%	100%	0%
100%		Summer Charging	0%	0%	0%	100%
100%		Winter Peak	100%	0%	0%	0%
100%		Winter Charging	0%	100%	0%	0%
100%	-	Summer Peak	0%	0%	100%	0%
100%	-	Summer Charging	0%	0%	0%	100%
100%		Winter Peak	100%	0%	0%	0%
100%		Winter Charging	0%	100%	0%	0%
100%		Summer Peak	0%	0%	100%	0%
100%		Winter Peak	100%	0%	0%	0%
100%		Summer Peak	0%	0%	100%	0%
100%		Winter Peak	100%	0%	0%	0%
100%		Summer Peak	0%	0%	100%	0%
100%		Summer Charging	0%	0%	0%	100%
100%		Winter Peak	100%	0%	0%	0%
100%		Winter Charging	0%	100%	0%	0%
100%	-	Summer Peak	0%	0%	100%	0%
100%	-	Summer Charging	0%	0%	0%	100%
100%	-	Summer Peak	0%	0%	100%	0%
100%	-	Summer Charging	0%	0%	0%	100%
100%		Winter Peak	100%	0%	0%	0%
100%		Winter Charging	0%	100%	0%	0%
100%		Summer Peak	0%	0%	100%	0%

Capacity Savings					
Maximum Load Reduction (kW)	Summer Coincident (%)	Winter Coincident (%)	Trans. Coincident (%)	Dist. Coincident (%)	Energy Strategy
0.70	100%	0%	100%	100%	Top 20 All Hours
	100%	0%	100%	100%	Top 20 All Hours
	100%	0%	100%	100%	Summer Daily Discharge
	0%	0%	0%	0%	Summer Daily Charge
	0%	100%	0%	0%	Top 20 Winter Hours
	0%	0%	0%	0%	Winter Targeted Charge
	100%	0%	100%	100%	Summer Daily Discharge
	0%	0%	0%	0%	Summer Daily Charge
	0%	100%	0%	0%	Top 20 Winter Hours
	0%	0%	0%	0%	Winter Targeted Charge
	100%	0%	100%	100%	Top 20 All Hours
	0%	100%	0%	0%	Top 20 Winter Hours
200.00	100%	0%	100%	100%	Top 20 All Hours
	0%	100%	0%	0%	Top 20 Winter Hours
	100%	0%	100%	100%	Summer Daily Discharge
	0%	0%	0%	0%	Summer Daily Charge
	0%	100%	0%	0%	Top 20 Winter Hours
	0%	0%	0%	0%	Winter Targeted Charge
	100%	0%	100%	100%	Summer Daily Discharge
	0%	0%	0%	0%	Summer Daily Charge
	100%	0%	100%	100%	Top 20 All Hours
	0%	0%	0%	0%	Summer Targeted Charge
	0%	100%	0%	0%	Top 20 Winter Hours
	0%	0%	0%	0%	Winter Targeted Charge
	100%	0%	100%	100%	Top 20 All Hours

Bid into FCM	Total for Three Years	Limited Demand Response Scaling Factor	Checks	
			Savings	Costs
No	No	10%		
No	No	10%		
No	Yes	100%		
No	Yes	100%		
No	Yes	100%		
No	Yes	100%		
No	No	100%		
No	No	100%		
No	No	10%		
No	No	10%		
No	No	10%		
No	No	10%		
No	No	10%		
No	No	10%		
No	Yes	100%		
No	Yes	100%		
No	Yes	100%		
No	Yes	100%		
No	No	100%		
No	No	100%		
No	No	10%		
No	No	10%		
No	No	10%		
No	No	10%		
No	No	10%		

Sector (Dropdown)	Program (Dropdown)	Subprogram (Dropdown)
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
A - Residentia	A5 - Residential Activ	A5a - Residential
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active
C - Commerci	C5 - C&I Active Dema	C5a - C&I Active

Administrator: **Unitil Energy Systems**
Program Year: 2023

Measure	Measure ID
Direct Load Control Targeted Dispatch Upfront/Annual Incentive Summer	E21A5a001
Behavior DR	
Storage Daily Dispatch Upfront Incentive (savings) Summer	
Storage Daily Dispatch Upfront Incentive (consumption) Summer	
Storage Daily Dispatch Upfront Incentive (savings) Winter	
Storage Daily Dispatch Upfront Incentive (consumption) Winter	
Storage Daily Dispatch P4P (savings) Summer	E21A5a002
Storage Daily Dispatch P4P (consumption) Summer	E21A5a003
Storage Targeted Dispatch P4P (savings) Winter	
Storage Targeted Dispatch P4P (consumption) Winter	
EV Load Management Summer	
EV Load Management Winter	
Load Curtailment Targeted Dispatch P4P Summer	E21C5a001
Load Curtailment Targeted Dispatch P4P Winter	
Storage Daily Dispatch Upfront Incentive (savings) Summer	
Storage Daily Dispatch Upfront Incentive (consumption) Summer	
Storage Daily Dispatch Upfront Incentive (savings) Winter	
Storage Daily Dispatch Upfront Incentive (consumption) Winter	
Storage Daily Dispatch P4P (savings) Summer	E21C5a002
Storage Daily Dispatch P4P (consumption) Summer	E21C5a003
Storage Targeted Dispatch P4P (savings) Summer	E21C5a004
Storage Targeted Dispatch P4P (consumption) Summer	E21C5a005
Storage Targeted Dispatch P4P (savings) Winter	
Storage Targeted Dispatch P4P (consumption) Winter	
Custom	

Inc

End Use (Dropdown)	Quantity	Measure Life	Total Resource Cost	Incentive	Processing Costs
Behavior	816	1	$ 20.00	$ 20.00	$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior		1			$ -
Behavior		1			$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior	15	1			$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -
Behavior		1			$ -
Behavior		1			$ -
Behavior		1			$ -
Behavior		1			$ -
Behavior					$ -
Behavior					$ -
Behavior					$ -

	Impact Factors							
Customer Cost	Free-Ridership Rate	Spillover [Participant] Rate	Spillover [Non-Participant] Rate	Net to Gross	In-Service Rate	kWh Realization Rate	kW Winter Realization Rate	kW Summer Realization Rate
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
$ -	0%	0%	0%	100%	100%	100%	100%	100%
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	Energy Savings					
Non Electric Realization Rate	Gross Annual kWh Saved	LS_ID (Dropdown)	Winter Peak Energy %	Winter Off-Peak Energy %	Summer Peak Energy %	Summer Off-Peak Energy %
100%		Summer Peak	0%	0%	100%	0%
100%		Summer Peak	0%	0%	100%	0%
100%		Summer Peak	0%	0%	100%	0%
100%		Summer Charging	0%	0%	0%	100%
100%		Winter Peak	100%	0%	0%	0%
100%		Winter Charging	0%	100%	0%	0%
100%	-	Summer Peak	0%	0%	100%	0%
100%	-	Summer Charging	0%	0%	0%	100%
100%		Winter Peak	100%	0%	0%	0%
100%		Winter Charging	0%	100%	0%	0%
100%		Summer Peak	0%	0%	100%	0%
100%		Winter Peak	100%	0%	0%	0%
100%		Summer Peak	0%	0%	100%	0%
100%		Winter Peak	100%	0%	0%	0%
100%		Summer Peak	0%	0%	100%	0%
100%		Summer Charging	0%	0%	0%	100%
100%		Winter Peak	100%	0%	0%	0%
100%		Winter Charging	0%	100%	0%	0%
100%	-	Summer Peak	0%	0%	100%	0%
100%	-	Summer Charging	0%	0%	0%	100%
100%	-	Summer Peak	0%	0%	100%	0%
100%	-	Summer Charging	0%	0%	0%	100%
100%		Winter Peak	100%	0%	0%	0%
100%		Winter Charging	0%	100%	0%	0%
100%		Summer Peak	0%	0%	100%	0%

Capacity Savings					
Maximum Load Reduction (kW)	Summer Coincident (%)	Winter Coincident (%)	Trans. Coincident (%)	Dist. Coincident (%)	Energy Strategy
0.70	100%	0%	100%	100%	Top 20 All Hours
	100%	0%	100%	100%	Top 20 All Hours
	100%	0%	100%	100%	Summer Daily Discharge
	0%	0%	0%	0%	Summer Daily Charge
	0%	100%	0%	0%	Top 20 Winter Hours
	0%	0%	0%	0%	Winter Targeted Charge
	100%	0%	100%	100%	Summer Daily Discharge
	0%	0%	0%	0%	Summer Daily Charge
	0%	100%	0%	0%	Top 20 Winter Hours
	0%	0%	0%	0%	Winter Targeted Charge
	100%	0%	100%	100%	Top 20 All Hours
	0%	100%	0%	0%	Top 20 Winter Hours
240.00	100%	0%	100%	100%	Top 20 All Hours
	0%	100%	0%	0%	Top 20 Winter Hours
	100%	0%	100%	100%	Summer Daily Discharge
	0%	0%	0%	0%	Summer Daily Charge
	0%	100%	0%	0%	Top 20 Winter Hours
	0%	0%	0%	0%	Winter Targeted Charge
	100%	0%	100%	100%	Summer Daily Discharge
	0%	0%	0%	0%	Summer Daily Charge
	100%	0%	100%	100%	Top 20 All Hours
	0%	0%	0%	0%	Summer Targeted Charge
	0%	100%	0%	0%	Top 20 Winter Hours
	0%	0%	0%	0%	Winter Targeted Charge
	100%	0%	100%	100%	Top 20 All Hours

Bid into FCM	Total for Three Years	Limited Demand Response Scaling Factor	Checks	
			Savings	Costs
No	No	10%		
No	No	10%		
No	Yes	100%		
No	Yes	100%		
No	Yes	100%		
No	Yes	100%		
No	No	100%		
No	No	100%		
No	No	10%		
No	No	10%		
No	No	10%		
No	No	10%		
No	No	10%		
No	No	10%		
No	Yes	100%		
No	Yes	100%		
No	Yes	100%		
No	Yes	100%		
No	No	100%		
No	No	100%		
No	No	10%		
No	No	10%		
No	No	10%		
No	No	10%		
No	No	10%		

Year 2022

Inputs								Costs			Electric Savings: Capacity				
Sector	Program	Subprogram	Measure	Measure ID	End Use	Quantity	Measure Life	TRC (Total)	Incentive (Total)	Customer Cost (Total)	Max Net kW	Annual Adjusted Gross Winter kW	Annual Net Winter kW	Annual Adjusted Gross Summer kw	Annual Net Summer kw
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	Direct Load Control Targeted Dispatch Upfront/Annual Incentive Summer	E21A5a001	Behavior	816	1	$ 17,952	$ 17,952	$ -	571.200	0.000	0.000	571.200	571.200
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	Behavior DR	0	Behavior										
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	Storage Daily Dispatch Upfront Incentive (savings) Summer	0	Behavior										
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	Storage Daily Dispatch Upfront Incentive (consumption) Summer	0	Behavior										
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	Storage Daily Dispatch Upfront Incentive (savings) Winter	0	Behavior										
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	Storage Daily Dispatch Upfront Incentive (consumption) Winter	0	Behavior										
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	Storage Daily Dispatch P4P (savings) Summer	E21A5a002	Behavior										
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	Storage Daily Dispatch P4P (consumption) Summer	E21A5a003	Behavior										
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	Storage Targeted Dispatch P4P (savings) Winter	0	Behavior										
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	Storage Targeted Dispatch P4P (consumption) Winter	0	Behavior										
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	EV Load Management Summer	0	Behavior										
A - Residenti	A5 - Residential Activ	A5a - Residential Active De	EV Load Management Winter	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	Direct Load Control Targeted Dispatch Upfront/Annual Incentive Summer	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	Behavior DR	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	Storage Daily Dispatch Upfront Incentive (savings) Summer	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	Storage Daily Dispatch Upfront Incentive (consumption) Summer	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	Storage Daily Dispatch Upfront Incentive (savings) Winter	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	Storage Daily Dispatch Upfront Incentive (consumption) Winter	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	Storage Daily Dispatch P4P (savings) Summer	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	Storage Daily Dispatch P4P (consumption) Summer	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	Storage Targeted Dispatch P4P (savings) Winter	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	Storage Targeted Dispatch P4P (consumption) Winter	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	EV Load Management Summer	0	Behavior										
B - Low-Incoi	Home Energy Assista	Res Demand Response	EV Load Management Winter	0	Behavior										
C - Commerc	C5 - C&I Active Dema	C5a - C&I Active Demand F	Load Curtailment Targeted Dispatch P4P Summer	E21C5a001	Behavior	15	1	$ -	$ -	$ -	3,000.000	0.000	0.000	3,000.000	3,000.000
C - Commerc	C5 - C&I Active Dema	C5a - C&I Active Demand F	Load Curtailment Targeted Dispatch P4P Winter	0	Behavior										
C - Commerc	C5 - C&I Active Dema	C5a - C&I Active Demand F	Storage Daily Dispatch Upfront Incentive (savings) Summer	0	Behavior										
C - Commerc	C5 - C&I Active Dema	C5a - C&I Active Demand F	Storage Daily Dispatch Upfront Incentive (consumption) Summer	0	Behavior										
C - Commerc	C5 - C&I Active Dema	C5a - C&I Active Demand F	Storage Daily Dispatch Upfront Incentive (savings) Winter	0	Behavior										
C - Commerc	C5 - C&I Active Dema	C5a - C&I Active Demand F	Storage Daily Dispatch Upfront Incentive (consumption) Winter	0	Behavior										
C - Commerc	C5 - C&I Active Dema	C5a - C&I Active Demand F	Storage Daily Dispatch P4P (savings) Summer	E21C5a002	Behavior										
C - Commerc	C5 - C&I Active Dema	C5a - C&I Active Demand F	Storage Daily Dispatch P4P (consumption) Summer	E21C5a003	Behavior										
C - Commerc	C5 - C&I Active Dema	C5a - C&I Active Demand F	Storage Targeted Dispatch P4P (savings) Summer	E21C5a004	Behavior										
C - Commerc	C5 - C&I Active Dema	C5a - C&I Active Demand F	Storage Targeted Dispatch P4P (consumption) Summer	E21C5a005	Behavior										
C - Commerc	C5 - C&I Active Dema	C5a - C&I Active Demand F	Storage Targeted Dispatch P4P (savings) Winter	0	Behavior										

Year 2023

| Sector | Program | Subprogram | Measure | Measure ID | End Use | Quantity | Measure Life | TRC Costs | Incentive Costs | Customer Costs | Gross Annual MWh Savings | Adjusted Gross Annual MWh Savings | Gross Lifetime MWh Savings | Adjusted Gross Lifetime MWh Savings | Net Annual MWh Savings | Net Lifetime MWh Savings | Gross Peak Day MW Savings | Gross Peak Day MW Net Savings | Adjusted Gross Peak Day MW Savings | Adjusted Net Peak Day MW Savings | Gas Net kW | Annual Adjusted Gross Winter kW | Lifetime Winter kW | Annual Adjusted Gross Summer kW | Annual Net Summer kW | Old Gross Annual Gas Savings (MMBTU) | Old Gross Lifetime Gas Savings (MMBTU) | Net Annual Old Gas Savings (MMBTU) | Net Lifetime Old Gas Savings (MMBTU) | Old Gross Annual Oil Savings (MMBTU) | Old Gross Lifetime Oil Savings (MMBTU) | Net Annual Old Oil Savings (MMBTU) | Net Lifetime Old Oil Savings (MMBTU) | Old Gross Annual Propane Savings (MMBTU) | Old Gross Lifetime Propane Savings (MMBTU) | Net Annual Old Propane Savings (MMBTU) | Net Lifetime Old Propane Savings (MMBTU) | Old Gross Annual Wood Savings (MMBTU) | Old Gross Lifetime Wood Savings (MMBTU) | Net Annual Old Wood Savings (MMBTU) | Net Lifetime Old Wood Savings (MMBTU) | Old Gross Annual Other Fuel Savings (MMBTU) | Old Gross Lifetime Other Fuel Savings (MMBTU) | Net Annual Old Other Fuel Savings (MMBTU) | Net Lifetime Old Other Fuel Savings (MMBTU) | Old Gross Annual Water Savings (MMBTU) | Old Gross Lifetime Water Savings (MMBTU) | Net Annual Old Water Savings (MMBTU) | Net Lifetime Old Water Savings (MMBTU) | Old Gross Annual Other Savings (MMBTU) | Old Gross Lifetime Other Savings (MMBTU) | Net Annual Old Other Savings (MMBTU) | Net Lifetime Old Other Savings (MMBTU) | Old Gross Annual Total Fossil Fuel Savings (MMBTU) | Old Gross Lifetime Total Fossil Fuel Savings (MMBTU) | Net Annual Old Total Fossil Fuel Savings (MMBTU) | Net Lifetime Old Total Fossil Fuel Savings (MMBTU) | Old Gross Annual Water Savings (MMBTU) | Old Gross Lifetime Water Savings (MMBTU) | Net Annual Old Water Savings (MMBTU) | Net Lifetime Old Water Savings (MMBTU) | Old Gross Annual Other Savings (MMBTU) | Old Gross Lifetime Other Savings (MMBTU) | Net Annual Old Other Savings (MMBTU) | Net Lifetime Old Other Savings (MMBTU) | Old Gross Annual Total Savings (MMBTU) | Old Gross Lifetime Total Savings (MMBTU) | Net Annual Old Total Savings (MMBTU) | Net Lifetime Old Total Savings (MMBTU) | Old Gross Annual Water Savings (MMBTU) | Old Gross Lifetime Water Savings (MMBTU) | Net Annual Old Water Savings (MMBTU) | Net Lifetime Old Water Savings (MMBTU) | Old Gross Annual Other Savings (MMBTU) | Old Gross Lifetime Other Savings (MMBTU) | Net Annual Old Other Savings (MMBTU) | Net Lifetime Old Other Savings (MMBTU) | Gross Annual Water Savings - Average Gallons | Gross Lifetime Water Savings - Average Gallons | Net Annual Water Savings Gallons | Net Lifetime Water Savings Gallons | Gross Peak Demand Reduction (kW) |
|---|---|---

Avoided Costs

Year	Capacity ($/kW) Demand	Capacity ($/kW) Unforecast	Capacity ($/kW) Weighted	Capacity ($/MW) Demand	Capacity ($/MW) Unforecast	Capacity ($/MW) Weighted	T&D ($/kW) Local	T&D ($/kW) Distribution	Natural Gas ($/MMBtu) Res Non	Natural Gas ($/MMBtu) Res Heat	Natural Gas ($/MMBtu) Res All	Natural Gas ($/MMBtu) C&I Non	Natural Gas ($/MMBtu) C&I Heat	Natural Gas ($/MMBtu) C&I All	Gas Vs Electric Cross DRPE ($/MMBtu) Res Non	Gas Vs Electric Cross DRPE ($/MMBtu) Res Heating	Gas Vs Electric Cross DRPE ($/MMBtu) Res All	Gas Vs Electric Cross DRPE ($/MMBtu) C&I Non	Gas Vs Electric Cross DRPE ($/MMBtu) C&I Heating	Gas Vs Electric Cross DRPE ($/MMBtu) C&I All	Fuel Oil ($/MMBtu) Residential	Fuel Oil ($/MMBtu) Commercial	Fuel Oil ($/MMBtu) Industrial	Fuel Oil ($/MMBtu) CSORPE	Other Fuels ($/MMBtu) Residential	Other Fuels ($/MMBtu) Commercial	Other Fuels ($/MMBtu) Industrial	Wood ($/MMBtu) Res Wood	Wood ($/MMBtu) Comm Wood	Water ($/Gallon) Res Water	Water ($/Gallon) Comm Water	Carbon Res Carbon	Carbon Commercial Carbon	Avoided Non-Embedded Costs ($/kWh) Winter Off Peak	Avoided Non-Embedded Costs ($/kWh) Summer Peak	Avoided Non-Embedded Costs ($/kWh) Summer Off-Peak
ANNUAL AVOIDED COSTS																																				
2021, 2022:																																				
2021	$88.00	$0.00	$0.00	$88.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2023, 2025:																																				
2023	$24.00	$0.00	$0.00	$24.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2026, 2030: AVOIDED COSTS																																				
2021, 2025:					Non-Commercial	Non-Commercial	Non-Commercial																													
1	2021	$88.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2	2022	$100.17	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
3	2023	$112.34	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
4	2024	$124.51	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
5	2025	$136.68	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2026, 2030:																																				
6	2026	$148.84	$74.48	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
7	2027	$161.01	$80.50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
8	2028	$173.18	$86.59	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
9	2029	$185.35	$92.68	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
10	2030	$197.51	$98.76	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2031, 2035:																																				
11	2031	$209.68	$104.84	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
12	2032	$221.85	$110.92	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
13	2033	$234.02	$117.01	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
14	2034	$246.19	$123.09	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
15	2035	$258.36	$129.18	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2036, 2040:																																				
16	2036	$270.53	$135.26	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
17	2037	$282.70	$141.35	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
18	2038	$294.87	$147.44	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
19	2039	$307.04	$153.52	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
20	2040	$319.21	$159.61	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2041, 2045:																																				
21	2041	$331.38	$165.69	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
22	2042	$343.55	$171.78	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
23	2043	$355.72	$177.86	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
24	2044	$367.89	$183.94	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
25	2045	$380.06	$190.03	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

Avoided Electricity Costs from AESC

AESC 2018 Ascendix B Workbooks - June 1, 2018 FINAL

AESC 2018 Results: Avoided Cost of Electricity (2018 $) — Zone: — Page Two of Four

AESC 2018 Results: Avoided Cost of Electricity (2018 $) — Zone: New Hampshire

AESC 2018 Results: Avoided Cost of Electricity (2018 $) — Zone: New Hampshire — Page Three of Four

Rest-of-Pool is NOT used in NH

AESC 2018 Results: Avoided Cost of Electricity (2018 $) — Zone: New Hampshire — Page Four of Four

Recipient of AESC Added to supply Wholesale Risk Premium to Energy DRPE

Avoided Natural Gas Costs from AESC

AESC 2018 Ascendix C Workbooks - June 1, 2018 FINAL

Table 119: Avoided cost of gas to all customers for end-use

Year	Gas Supply ($/MMBtu)
2016	$ 3.34
2017	$ 3.34
2018	$ 3.34
2019	$ 3.34
2020	$ 3.34
2021	$ 3.34
2022	$ 3.34
2023	$ 3.34
2024	$ 3.34
2025	$ 3.34
2026	$ 3.34
2027	$ 3.34
2028	$ 3.34
2029	$ 3.34
2030	$ 3.34
2031	$ 3.34
2032	$ 3.34
2033	$ 3.34
2034	$ 3.34
2035	$ 3.34
2036	$ 3.34
2037	$ 3.34
2038	$ 3.34
2039	$ 3.34
2040	$ 3.34
2041	$ 3.34
2042	$ 3.34
2043	$ 3.34
2044	$ 3.34
2045	$ 3.34

AESC 2018 Appendix B Workbooks - June 1, 2018 FINAL

Table 122: Gas supply DRPE and gas cross DRPE - New Hampshire (2013$/MMBtu)

| Year | Gas Supply DRPE ($/MMBtu) | Gas Supply DRPE ($/MMBtu) | Gas Supply DRPE ($/MMBtu)

Distribution Company	Program Administrator	Year	Reporting Period	Sector	Program (Dropdown)	Subprogram (Dropdown)	Internal Admin	External Admin	Rebate / Services	Implementation Services	Marketing	EM&V	Total Program Costs
Electric	Unitil Energy Sys	2021	Planned	A - Residential	A5 - Residential Active Demand Re	A5a - Residential Active Demanc	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Electric	Unitil Energy Sys	2021	Planned	B - Low-Income	Home Energy Assistance		$ -	$ -	$ -	$ -	$ -	$ -	$ -
Electric	Unitil Energy Sys	2021	Planned	C - Commercial & Industri	C5 - C&I Active Demand Response	C5a - C&I Active Demand Respo	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Electric	Unitil Energy Sys	2022	Planned	A - Residential	A5 - Residential Active Demand Re	A5a - Residential Active Demanc	$ 2,200	$ -	$ 57,840	$ 2,000	$ -	$ 1,200	$ 63,240
Electric	Unitil Energy Sys	2022	Planned	B - Low-Income	Home Energy Assistance		$ -	$ -	$ -	$ -	$ -	$ -	$ -
Electric	Unitil Energy Sys	2022	Planned	C - Commercial & Industri	C5 - C&I Active Demand Response	C5a - C&I Active Demand Respo	$ 3,800	$ 1,200	$ 105,000	$ 8,000	$ 5,250	$ 15,000	$ 138,250
Electric	Unitil Energy Sys	2023	Planned	A - Residential	A5 - Residential Active Demand Re	A5a - Residential Active Demanc	$ 2,400	$ -	$ 59,472	$ 2,000	$ -	$ 1,300	$ 65,172
Electric	Unitil Energy Sys	2023	Planned	B - Low-Income	Home Energy Assistance		$ -	$ -	$ -	$ -	$ -	$ -	$ -
Electric	Unitil Energy Sys	2023	Planned	C - Commercial & Industri	C5 - C&I Active Demand Response	C5a - C&I Active Demand Respo	$ 4,000	$ 1,400	$ 126,000	$ 8,000	$ 5,500	$ 15,000	$ 159,900

First Reference (column)
First Reference (name)

Second Reference (column)
Second Reference (name)

Third Reference (column)
Third Reference (name)

Notes

Total Program Costs (2022$)	Performance Incentive	Performance Incentive (2022$)	Participant Costs	Participant Costs (2021$)	Total Resource Costs	Total Resource Costs (2018$)	Participants	Winter Capacity (kW)	Summer Capacity (kW)	Net Annual Energy (MWh)	Adj Gross Annual Energy (MWh)	Net Lifetime Energy (MWh)	Adj Gross Lifetime Energy (MWh)	Net Annual Natural Gas (MMBTU)
$ -	$ -	$ -	$ -	$ -	$ -	$ -		-	-	-	-	-	-	-
$ -	$ -	$ -	$ -	$ -	$ -	$ -		-	-	-	-	-	-	-
$ -	$ -	$ -	$ -	$ -	$ -	$ -		-	-	-	-	-	-	-
$ 63,240	$ -	$ -	$ -	$ -	$ 63,240	$ 63,240		-	571.20	-	-	-	-	-
$ -	$ -	$ -	$ -	$ -	$ -	$ -		-	-	-	-	-	-	-
$ 138,250	$ -	$ -	$ -	$ -	$ 138,250	$ 138,250		-	3,000.00	-	-	-	-	-
$ 63,121	$ -	$ -	$ -	$ -	$ 65,172	$ 63,121		-	571.20	-	-	-	-	-
$ -	$ -	$ -	$ -	$ -	$ -	$ -		-	-	-	-	-	-	-
$ 154,867	$ -	$ -	$ -	$ -	$ 159,900	$ 154,867		-	3,600.00	-	-	-	-	-

			K:K Customer Cost (Total)					X:X Annual Net Winter kW	Z:Z Annual Net Summer kw	P:P Net Annual MWh Savings	M:M Adjusted Gross Annual MWh Savings	Q:Q Net Lifetime MWh Savings	O:O Adjusted Gross Lifetime MWh Savings	AC:AC Net Annual Gas Savings (MMBTU)

Adj Gross Annual Natural Gas (MMBTU)	Net Annual Natural Gas (Therms)	Adj Gross Annual Natural Gas (Therms)	Net Lifetime Natural Gas (Therms)	Adj Gross Lifetime Natural Gas (Therms)	Net Annual Oil (MMBTU)	Adj Gross Annual Oil (MMBTU)	Net Lifetime Oil (MMBTU)	Adj Gross Lifetime Oil (MMBTU)	Net Annual Propane (MMBTU)	Adj Gross Annual Propane (MMBTU)	Lifetime Propane (MMBTU)	Adj Gross Lifetime Propane (MMBTU)	Net Annual Kerosene (MMBTU)	Adj Gross Annual Kerosene (MMBTU)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Net Lifetime Kerosene (MMBTU)	Adj Gross Lifetime Kerosene (MMBTU)	Net Annual Cord Wood (MMBTU)	Adj Gross Annual Cord Wood (MMBTU)	Net Lifetime Cord Wood (MMBTU)	Adj Gross Lifetime Cord Wood (MMBTU)	Net Annual Wood Pellet (MMBTU)	Adj Gross Annual Wood Pellet (MMBTU)	Net Lifetime Wood Pellet (MMBTU)	Adj Gross Lifetime Wood Pellet (MMBTU)	Total Net Annual MMBTU	Total Net Lifetime MMBTU	Annual Water (Gallons)	Lifetime Water (Gallons)	Winter Peak Energy Benefits ($)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AP:AP Net Lifetime Kerosene Savings (MMBTU)	AN:AN Adj Gross Lifetime Kerosene Savings (MMBTU)	AS:AS Net Annual Cord Wood Savings (MMBTU)	AQ:AQ Adj Gross Annual Cord Wood Savings (MMBTU)	AT:AT Net Lifetime Cord Wood Savings (MMBTU)	AR:AR Adj Gross Lifetime Cord Wood Savings (MMBTU)	AW:AW Net Annual Wood Pellet Savings (MMBTU)	AU:AU Adj Gross Annual Wood Pellet Savings (MMBTU)	AX:AX Net Lifetime Wood Pellet Savings (MMBTU)	AV:AV Adj Gross Lifetime Wood Pellet Savings (MMBTU)	AY:AY Total Net Annual MMBTU	AZ:AZ Total Net Lifetime MMBTU	BA:BA Net Annual Res Water Savings Gallons BB:BB Net Annual C&I Water Savings Gallons Res + C&I	BC:BC Net Lifetime Water Savings Gallons	BD:BD Winter Peak Energy Benefits ($)

Winter Off-Peak Energy Benefits ($)	Summer Peak Energy Benefits ($)	Summer Off-Peak Energy Benefits ($)	Energy Benefits	DRIPE Energy Benefits	Total Energy Benefits	Summer Capacity Benefits	Winter Capacity Benefits	DRIPE Capacity Benefits	Reliability Benefits	Pooled Transmission Facilities (PTF) Benefits	Transmission Capacity Benefits	Distribution Capacity Benefits	Total Capacity Benefits	Natural Gas Benefits
-	-	-	-	-	$ -	-	-	-	-	-	-	-	$ -	-
-	-	-	-	-	$ -	-	-	-	-	-	-	-	$ -	-
-	-	-	-	-	$ -	-	-	-	-	-	-	-	$ -	-
-	-	-	-	-	$ -	3,203.13	-	1,449.32	-	48,667.93	-	50,228.65	$ 103,549	-
-	-	-	-	-	$ -	-	-	-	-	-	-	-	$ -	-
-	-	-	-	-	$ -	16,823.19	-	7,611.96	-	255,608.88	-	263,805.91	$ 543,850	-
-	-	-	-	-	$ -	3,382.87	-	1,489.69	-	49,658.07	-	51,250.54	$ 105,781	-
-	-	-	-	-	$ -	-	-	-	-	-	-	-	$ -	-
-	-	-	-	-	$ -	21,320.58	-	9,388.83	-	312,971.02	-	323,007.58	$ 666,688	-

BE:BE Winter Off-Peak Energy Benefits ($)	BF:BF Summer Peak Energy Benefits ($)	BG:BG Summer Off-Peak Energy Benefits ($)	BH:BH Total Avoided Energy Benefits ($)	BN:BN Total Energy DRIPE Benefits ($)	BP:BP Summer Generation Benefits ($)	BQ:BQ Winter Generation ($)	BR:BR Electric Capacity DRIPE ($)	BS:BS Reliability ($)	BT:BT PTF Benefits ($)	BU:BU Transmission Benefits ($)	BV:BV Distribution Benefits ($)	CF:CF Total Avoided Gas Benefits ($)

Natural Gas DRIPE Benefits	Total Gas Benefits	Oil Benefits	Oil DRIPE Benefits	Kerosene Benefits	Propane Benefits	Cord Wood Benefits	Wood Pellet Benefits	Water Benefits	Total Other Resource Benefits	Total Resource Benefits	Fossil Emissions	Total Non Energy Impacts	Total Avoided Environmental Benefits
-	$ -	-	-	-	-	-	-	-	$ -	$ -	-	-	-
-	$ -	-	-	-	-	-	-	-	$ -	$ -	-	-	-
-	$ -	-	-	-	-	-	-	-	$ -	$ -	-	-	-
-	$ -	-	-	-	-	-	-	-	$ -	$ 103,549	-	-	-
-	$ -	-	-	-	-	-	-	-	$ -	$ -	-	-	-
-	$ -	-	-	-	-	-	-	-	$ -	$ 543,850	-	-	-
-	$ -	-	-	-	-	-	-	-	$ -	$ 105,781	-	-	-
-	$ -	-	-	-	-	-	-	-	$ -	$ -	-	-	-
-	$ -	-	-	-	-	-	-	-	$ -	$ 666,688	-	-	-

CO:CO Total Gas DRIPE		CQ:CQ Fuel Oil - Residential Distillate	CT:CT Oil DRIPE	CU:CU Kerosene	CV:CV Propane	CW:CW Cord Wood	CX:CX Pellet Wood	CY:CY Res Water			DC:DC Fossil Emissions (oil, gas, propane, kerosene)	DE:DE Total Non-Resource Benefits	DJ:DJ Total Avoided Environmental Benefits
		CR:CR Fuel Oil - Com Fuel						CZ:CZ C&I Water			DD:DD Fossil Emissions Based on RGGI		
		CS:CS Fuel Oil - Industrial											
		Res + C&I						Res + C&I	Gas not included		Not Included in total benefits		

Total Benefits (Legacy NH TRC)	Total Benefits (Granite State Test)	Total Benefits (Utility Cost Test)	Total Benefits (Secondary GST)	Total Electric DRIPE	Total Gas DRIPE	Other fuels benefit (all except gas)	Key
$ -	$ -	$ -	$ -	$ -	$ -	$ -	'CalcsYr1'!
$ -	$ -	$ -	$ -	$ -	$ -	$ -	'CalcsYr1'!
$ -	$ -	$ -	$ -	$ -	$ -	$ -	'CalcsYr1'!
$ 103,549	$ 103,549	$ 103,549	$ 103,549	$ 1,449	$ -	$ -	'CalcsYr2'!
$ -	$ -	$ -	$ -	$ -	$ -	$ -	'CalcsYr2'!
$ 543,850	$ 543,850	$ 543,850	$ 543,850	$ 7,612	$ -	$ -	'CalcsYr2'!
$ 105,781	$ 105,781	$ 105,781	$ 105,781	$ 1,490	$ -	$ -	'CalcsYr3'!
$ -	$ -	$ -	$ -	$ -	$ -	$ -	'CalcsYr3'!
$ 666,688	$ 666,688	$ 666,688	$ 666,688	$ 9,389	$ -	$ -	'CalcsYr3'!

Water not included

1	2	3	4	5	6
	Total Energy %				
New Hampshire LS_ID	**Winter OnPeak**	**Winter OffPeak**	**Summer OnPeak**	**Summer OffPeak**	**Winter Demand Factor**
Summer Peak	0%	0%	100%	0%	
Summer Charging	0%	0%	0%	100%	
Winter Peak	100%	0%	0%	0%	
Winter Charging	0%	100%	0%	0%	

7	8	9	10
Demand Factor			
Summer Demand Factor	**Max Demand Factor**	**Summer CF**	**Winter CF**
		100%	0%
		0%	0%
		0%	100%
		0%	0%

Year Start		Program Duration (Measure Life)				
		1	2	3	4	5
2021						
		Wholesale Uncleared Capacity Avoided Co				
2018		-	-	-	-	-
2019		-	-	-	-	-
2020		-	-	-	-	-
2021	N	-	-	-	-	-
2022	N+1	-	-	-	-	-
2023	N+2	-	-	-	-	-
2024	N+3	-	-	-	-	-
2025	N+4	-	-	-	-	-
2026	N+5	11.67	11.67	11.67	11.67	11.67
2027	N+6	8.47	21.17	21.17	21.17	21.17
2028	N+7	9.02	18.05	31.58	31.58	31.58
2029	N+8	9.83	19.66	29.49	44.23	44.23
2030	N+9	4.68	14.03	23.39	32.74	46.77
2031	N+10	-	5.02	15.07	25.12	35.17
2032	N+11	-	-	5.34	16.01	26.69
2033	N+12	-	-	-	5.28	15.85
2034	N+13	-	-	-	-	6.39
2035	N+14	-	-	-	-	-
2036	N+15	-	-	-	-	-
2037	N+16	-	-	-	-	-
2038	N+17	-	-	-	-	-
2039	N+18	-	-	-	-	-
2040	N+19	-	-	-	-	-
2041	N+20	-	-	-	-	-
2042	N+21	-	-	-	-	-
2043	N+22	-	-	-	-	-
2044	N+23	-	-	-	-	-
2045	N+24	-	-	-	-	-
2046	N+25	-	-	-	-	-
2047	N+26	-	-	-	-	-
2048	N+27	-	-	-	-	-
2049	N+28	-	-	-	-	-
2050	N+29	-	-	-	-	-
Total for Benefits		38.70	78.95	120.60	163.49	207.19

		Wholesale Net Uncleared Capacity DRIPE,				
2018		-	-	-	-	-
2019		-	-	-	-	-
2020		-	-	-	-	-
2021	N	-	-	-	-	-
2022	N+1	-	-	-	-	-
2023	N+2	-	-	-	-	-
2024	N+3	-	-	-	-	-
2025	N+4	-	-	-	-	-
2026	N+5	6.32	6.32	6.32	6.32	6.32
2027	N+6	4.63	13.96	13.96	13.96	13.96
2028	N+7	3.75	8.49	18.02	18.02	18.02
2029	N+8	2.69	6.51	11.34	21.06	21.06
2030	N+9	-	1.05	4.94	9.84	19.71
2031	N+10	-	-	-	-	4.48
2032	N+11	-	-	-	-	-
2033	N+12	-	-	-	-	-
2034	N+13	-	-	-	-	-
2035	N+14	-	-	-	-	-
2036	N+15	-	-	-	-	-
2037	N+16	-	-	-	-	-
2038	N+17	-	-	-	-	-
2039	N+18	-	-	-	-	-
2040	N+19	-	-	-	-	-
2041	N+20	-	-	-	-	-
2042	N+21	-	-	-	-	-
2043	N+22	-	-	-	-	-
2044	N+23	-	-	-	-	-
2045	N+24	-	-	-	-	-
2046	N+25	-	-	-	-	-
2047	N+26	-	-	-	-	-
2048	N+27	-	-	-	-	-
2049	N+28	-	-	-	-	-
2050	N+29	-	-	-	-	-
Total for Benefits		15.51	32.28	48.25	60.96	73.29

2022

	Wholesale Uncleared Capacity Avoided Co				
2018	-	-	-	-	-
2019	-	-	-	-	-
2020	-	-	-	-	-
2021	-	-	-	-	-

2022	N	-	-	-	-	-
2023	N+1	-	-	-	-	-
2024	N+2	-	-	-	-	-
2025	N+3	-	-	-	-	-
2026	N+4	-	-	-	-	-
2027	N+5	12.70	12.70	12.70	12.70	12.70
2028	N+6	9.02	22.56	22.56	22.56	22.56
2029	N+7	9.83	19.66	34.40	34.40	34.40
2030	N+8	9.35	18.71	28.06	42.09	42.09
2031	N+9	5.02	15.07	25.12	35.17	50.24
2032	N+10	-	5.34	16.01	26.69	37.36
2033	N+11	-	-	5.28	15.85	26.42
2034	N+12	-	-	-	6.39	19.17
2035	N+13	-	-	-	-	5.01
2036	N+14	-	-	-	-	-
2037	N+15	-	-	-	-	-
2038	N+16	-	-	-	-	-
2039	N+17	-	-	-	-	-
2040	N+18	-	-	-	-	-
2041	N+19	-	-	-	-	-
2042	N+20	-	-	-	-	-
2043	N+21	-	-	-	-	-
2044	N+22	-	-	-	-	-
2045	N+23	-	-	-	-	-
2046	N+24	-	-	-	-	-
2047	N+25	-	-	-	-	-
2048	N+26	-	-	-	-	-
2049	N+27	-	-	-	-	-
2050	N+28	-	-	-	-	-
Total for Benefits		40.25	81.90	124.79	168.50	213.71

		Wholesale Net Uncleared Capacity DRIPE,				
2018		-	-	-	-	-
2019		-	-	-	-	-
2020		-	-	-	-	-
2021		-	-	-	-	-
2022	N	-	-	-	-	-
2023	N+1	-	-	-	-	-
2024	N+2	-	-	-	-	-
2025	N+3	-	-	-	-	-
2026	N+4	-	-	-	-	-
2027	N+5	9.33	9.33	9.33	9.33	9.33
2028	N+6	4.74	14.27	14.27	14.27	14.27
2029	N+7	3.82	8.65	18.37	18.37	18.37
2030	N+8	2.73	6.61	11.52	21.39	21.39
2031	N+9	-	1.07	5.01	10.00	20.02

2032	N+10	-	-	-	-	4.53
2033	N+11	-	-	-	-	-
2034	N+12	-	-	-	-	-
2035	N+13	-	-	-	-	-
2036	N+14	-	-	-	-	-
2037	N+15	-	-	-	-	-
2038	N+16	-	-	-	-	-
2039	N+17	-	-	-	-	-
2040	N+18	-	-	-	-	-
2041	N+19	-	-	-	-	-
2042	N+20	-	-	-	-	-
2043	N+21	-	-	-	-	-
2044	N+22	-	-	-	-	-
2045	N+23	-	-	-	-	-
2046	N+24	-	-	-	-	-
2047	N+25	-	-	-	-	-
2048	N+26	-	-	-	-	-
2049	N+27	-	-	-	-	-
2050	N+28	-	-	-	-	-
Total for Benefits		18.21	35.10	51.17	63.93	76.29

2023						
		Wholesale Uncleared Capacity Avoided Co				
2018		-	-	-	-	-
2019		-	-	-	-	-
2020		-	-	-	-	-
2021		-	-	-	-	-
2022		-	-	-	-	-
2023	N	-	-	-	-	-
2024	N+1	-	-	-	-	-
2025	N+2	-	-	-	-	-
2026	N+3	-	-	-	-	-
2027	N+4	-	-	-	-	-
2028	N+5	13.54	13.54	13.54	13.54	13.54
2029	N+6	9.83	24.57	24.57	24.57	24.57
2030	N+7	9.35	18.71	32.74	32.74	32.74
2031	N+8	10.05	20.10	30.14	45.22	45.22
2032	N+9	5.34	16.01	26.69	37.36	53.38
2033	N+10	-	5.28	15.85	26.42	36.98
2034	N+11	-	-	6.39	19.17	31.95
2035	N+12	-	-	-	5.01	15.02
2036	N+13	-	-	-	-	5.16
2037	N+14	-	-	-	-	-

2038	N+15	-	-	-	-	-
2039	N+16	-	-	-	-	-
2040	N+17	-	-	-	-	-
2041	N+18	-	-	-	-	-
2042	N+19	-	-	-	-	-
2043	N+20	-	-	-	-	-
2044	N+21	-	-	-	-	-
2045	N+22	-	-	-	-	-
2046	N+23	-	-	-	-	-
2047	N+24	-	-	-	-	-
2048	N+25	-	-	-	-	-
2049	N+26	-	-	-	-	-
2050	N+27	-	-	-	-	-
Total for Benefits		41.66	84.54	128.25	173.46	218.54

		Wholesale Net Uncleared Capacity DRIPE,				
2018		-	-	-	-	-
2019		-	-	-	-	-
2020		-	-	-	-	-
2021		-	-	-	-	-
2022		-	-	-	-	-
2023	N	-	-	-	-	-
2024	N+1	-	-	-	-	-
2025	N+2	-	-	-	-	-
2026	N+3	-	-	-	-	-
2027	N+4	-	-	-	-	-
2028	N+5	9.53	9.53	9.53	9.53	9.53
2029	N+6	4.83	14.54	14.54	14.54	14.54
2030	N+7	3.88	8.79	18.66	18.66	18.66
2031	N+8	2.77	6.72	11.70	21.73	21.73
2032	N+9	-	1.08	5.07	10.11	20.26
2033	N+10	-	-	-	-	4.63
2034	N+11	-	-	-	-	-
2035	N+12	-	-	-	-	-
2036	N+13	-	-	-	-	-
2037	N+14	-	-	-	-	-
2038	N+15	-	-	-	-	-
2039	N+16	-	-	-	-	-
2040	N+17	-	-	-	-	-
2041	N+18	-	-	-	-	-
2042	N+19	-	-	-	-	-
2043	N+20	-	-	-	-	-
2044	N+21	-	-	-	-	-
2045	N+22	-	-	-	-	-
2046	N+23	-	-	-	-	-
2047	N+24	-	-	-	-	-

2048	**N+25**	-	-	-	-	-
2049	**N+26**	-	-	-	-	-
2050	**N+27**	-	-	-	-	-
Total for Benefits		18.34	35.33	51.45	64.24	76.63

WHOLESALE RATES -- 2021$/

6	7	8	9	10	11	12	13
osts - NH - Sustained Demand Reductions							
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67
21.17	21.17	21.17	21.17	21.17	21.17	21.17	21.17
31.58	31.58	31.58	31.58	31.58	31.58	31.58	31.58
44.23	44.23	44.23	44.23	44.23	44.23	44.23	44.23
46.77	46.77	46.77	46.77	46.77	46.77	46.77	46.77
50.24	50.24	50.24	50.24	50.24	50.24	50.24	50.24
37.36	53.38	53.38	53.38	53.38	53.38	53.38	53.38
26.42	36.98	52.83	52.83	52.83	52.83	52.83	52.83
19.17	31.95	44.73	63.90	63.90	63.90	63.90	63.90
5.01	15.02	25.03	35.04	50.06	50.06	50.06	50.06
-	5.16	15.49	25.81	36.14	51.63	51.63	51.63
-	-	5.32	15.97	26.62	37.27	53.24	53.24
-	-	-	5.49	16.47	27.45	38.44	54.91
-	-	-	-	5.66	16.99	28.31	39.64
-	-	-	-	-	5.84	17.52	29.20
-	-	-	-	-	-	6.02	18.07
-	-	-	-	-	-	-	6.21
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
252.41	297.48	341.85	386.81	428.77	471.53	515.11	559.53

Zone-on-Zone - NH - Sustained Demand Reductions

-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6.32	6.32	6.32	6.32	6.32	6.32	6.32	6.32
13.96	13.96	13.96	13.96	13.96	13.96	13.96	13.96
18.02	18.02	18.02	18.02	18.02	18.02	18.02	18.02
21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06
19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71
14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.51
-	9.03	9.03	9.03	9.03	9.03	9.03	9.03
-	-	5.18	5.18	5.18	5.18	5.18	5.18
-	-	-	46.80	46.80	46.80	46.80	46.80
-	-	-	-	0.61	0.61	0.61	0.61
-	-	-	-	-	0.00	0.00	0.00
-	-	-	-	-	-	0.00	0.00
-	-	-	-	-	-	-	0.00
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
81.84	89.45	93.76	132.25	132.74	132.74	132.74	132.74

osts - NH - Sustained Demand Reductions

-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70
22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56
34.40	34.40	34.40	34.40	34.40	34.40	34.40	34.40
42.09	42.09	42.09	42.09	42.09	42.09	42.09	42.09
50.24	50.24	50.24	50.24	50.24	50.24	50.24	50.24
53.38	53.38	53.38	53.38	53.38	53.38	53.38	53.38
36.98	52.83	52.83	52.83	52.83	52.83	52.83	52.83
31.95	44.73	63.90	63.90	63.90	63.90	63.90	63.90
15.02	25.03	35.04	50.06	50.06	50.06	50.06	50.06
5.16	15.49	25.81	36.14	51.63	51.63	51.63	51.63
-	5.32	15.97	26.62	37.27	53.24	53.24	53.24
-	-	5.49	16.47	27.45	38.44	54.91	54.91
-	-	-	5.66	16.99	28.31	39.64	56.63
-	-	-	-	5.84	17.52	29.20	40.88
-	-	-	-	-	6.02	18.07	30.11
-	-	-	-	-	-	6.21	18.63
-	-	-	-	-	-	-	6.41
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
258.79	303.15	348.11	390.07	432.83	476.41	520.83	566.09

Zone-on-Zone - NH - Sustained Demand Reductions

-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
14.27	14.27	14.27	14.27	14.27	14.27	14.27	14.27
18.37	18.37	18.37	18.37	18.37	18.37	18.37	18.37
21.39	21.39	21.39	21.39	21.39	21.39	21.39	21.39
20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02

14.68	14.68	14.68	14.68	14.68	14.68	14.68	14.68
-	9.22	9.22	9.22	9.22	9.22	9.22	9.22
-	-	104.77	104.77	104.77	104.77	104.77	104.77
-	-	-	2.40	2.40	2.40	2.40	2.40
-	-	-	-	0.62	0.62	0.62	0.62
-	-	-	-	-	0.00	0.00	0.00
-	-	-	-	-	-	0.00	0.00
-	-	-	-	-	-	-	0.00
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
84.84	92.51	178.68	180.63	181.13	181.13	181.13	181.13

osts - NH - Sustained Demand Reductions

-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54
24.57	24.57	24.57	24.57	24.57	24.57	24.57	24.57
32.74	32.74	32.74	32.74	32.74	32.74	32.74	32.74
45.22	45.22	45.22	45.22	45.22	45.22	45.22	45.22
53.38	53.38	53.38	53.38	53.38	53.38	53.38	53.38
52.83	52.83	52.83	52.83	52.83	52.83	52.83	52.83
44.73	63.90	63.90	63.90	63.90	63.90	63.90	63.90
25.03	35.04	50.06	50.06	50.06	50.06	50.06	50.06
15.49	25.81	36.14	51.63	51.63	51.63	51.63	51.63
5.32	15.97	26.62	37.27	53.24	53.24	53.24	53.24

-	5.49	16.47	27.45	38.44	54.91	54.91	54.91
-	-	5.66	16.99	28.31	39.64	56.63	56.63
-	-	-	5.84	17.52	29.20	40.88	58.40
-	-	-	-	6.02	18.07	30.11	42.16
-	-	-	-	-	6.21	18.63	31.06
-	-	-	-	-	-	6.41	19.22
-	-	-	-	-	-	-	6.61
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
262.90	307.86	349.82	392.58	436.16	480.58	525.85	571.98

Zone-on-Zone - NH - Sustained Demand Reductions

-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53
14.54	14.54	14.54	14.54	14.54	14.54	14.54	14.54
18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66
21.73	21.73	21.73	21.73	21.73	21.73	21.73	21.73
20.26	20.26	20.26	20.26	20.26	20.26	20.26	20.26
14.98	14.98	14.98	14.98	14.98	14.98	14.98	14.98
-	186.49	186.49	186.49	186.49	186.49	186.49	186.49
-	-	5.37	5.37	5.37	5.37	5.37	5.37
-	-	-	2.44	2.44	2.44	2.44	2.44
-	-	-	-	0.63	0.63	0.63	0.63
-	-	-	-	-	0.00	0.00	0.00
-	-	-	-	-	-	0.00	0.00
-	-	-	-	-	-	-	0.00
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
85.25	238.64	243.01	244.96	245.46	245.46	245.46	245.46

/kW-yr

14	15	16	17	18	19	20	21
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67
21.17	21.17	21.17	21.17	21.17	21.17	21.17	21.17
31.58	31.58	31.58	31.58	31.58	31.58	31.58	31.58
44.23	44.23	44.23	44.23	44.23	44.23	44.23	44.23
46.77	46.77	46.77	46.77	46.77	46.77	46.77	46.77
50.24	50.24	50.24	50.24	50.24	50.24	50.24	50.24
53.38	53.38	53.38	53.38	53.38	53.38	53.38	53.38
52.83	52.83	52.83	52.83	52.83	52.83	52.83	52.83
63.90	63.90	63.90	63.90	63.90	63.90	63.90	63.90
50.06	50.06	50.06	50.06	50.06	50.06	50.06	50.06
51.63	51.63	51.63	51.63	51.63	51.63	51.63	51.63
53.24	53.24	53.24	53.24	53.24	53.24	53.24	53.24
54.91	54.91	54.91	54.91	54.91	54.91	54.91	54.91
56.63	56.63	56.63	56.63	56.63	56.63	56.63	56.63
40.88	58.40	58.40	58.40	58.40	58.40	58.40	58.40
30.11	42.16	60.23	60.23	60.23	60.23	60.23	60.23
18.63	31.06	43.48	62.11	62.11	62.11	62.11	62.11
6.41	19.22	32.03	44.84	64.05	64.05	64.05	64.05
-	6.61	19.82	33.03	46.24	66.06	66.06	66.06
-	-	6.81	20.44	34.06	47.69	68.13	68.13
-	-	-	7.03	21.08	35.13	49.18	70.26
-	-	-	-	7.25	21.74	36.23	50.72
-	-	-	-	-	7.47	22.42	37.36
-	-	-	-	-	-	7.71	23.12
-	-	-	-	-	-	-	7.95
604.79	650.93	697.94	745.86	794.69	844.46	895.18	946.88

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-	-	-	-	-	-	-	-
6.32	6.32	6.32	6.32	6.32	6.32	6.32	6.32
13.96	13.96	13.96	13.96	13.96	13.96	13.96	13.96
18.02	18.02	18.02	18.02	18.02	18.02	18.02	18.02
21.06	21.06	21.06	21.06	21.06	21.06	21.06	21.06
19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71
14.51	14.51	14.51	14.51	14.51	14.51	14.51	14.51
9.03	9.03	9.03	9.03	9.03	9.03	9.03	9.03
5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18
46.80	46.80	46.80	46.80	46.80	46.80	46.80	46.80
0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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132.74	132.74	132.74	132.74	132.74	132.74	132.74	132.74

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12.70	12.70	12.70	12.70	12.70	12.70	12.70	12.70
22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56
34.40	34.40	34.40	34.40	34.40	34.40	34.40	34.40
42.09	42.09	42.09	42.09	42.09	42.09	42.09	42.09
50.24	50.24	50.24	50.24	50.24	50.24	50.24	50.24
53.38	53.38	53.38	53.38	53.38	53.38	53.38	53.38
52.83	52.83	52.83	52.83	52.83	52.83	52.83	52.83
63.90	63.90	63.90	63.90	63.90	63.90	63.90	63.90
50.06	50.06	50.06	50.06	50.06	50.06	50.06	50.06
51.63	51.63	51.63	51.63	51.63	51.63	51.63	51.63
53.24	53.24	53.24	53.24	53.24	53.24	53.24	53.24
54.91	54.91	54.91	54.91	54.91	54.91	54.91	54.91
56.63	56.63	56.63	56.63	56.63	56.63	56.63	56.63
58.40	58.40	58.40	58.40	58.40	58.40	58.40	58.40
42.16	60.23	60.23	60.23	60.23	60.23	60.23	60.23
31.06	43.48	62.11	62.11	62.11	62.11	62.11	62.11
19.22	32.03	44.84	64.05	64.05	64.05	64.05	64.05
6.61	19.82	33.03	46.24	66.06	66.06	66.06	66.06
-	6.81	20.44	34.06	47.69	68.13	68.13	68.13
-	-	7.03	21.08	35.13	49.18	70.26	70.26
-	-	-	7.25	21.74	36.23	50.72	72.46
-	-	-	-	7.47	22.42	37.36	52.31
-	-	-	-	-	7.71	23.12	38.53
-	-	-	-	-	-	7.95	23.84
612.23	659.24	707.16	755.99	805.76	856.49	908.18	955.35

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-	-	-	-	-	-	-	-
9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
14.27	14.27	14.27	14.27	14.27	14.27	14.27	14.27
18.37	18.37	18.37	18.37	18.37	18.37	18.37	18.37
21.39	21.39	21.39	21.39	21.39	21.39	21.39	21.39
20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02

14.68	14.68	14.68	14.68	14.68	14.68	14.68	14.68
9.22	9.22	9.22	9.22	9.22	9.22	9.22	9.22
104.77	104.77	104.77	104.77	104.77	104.77	104.77	104.77
2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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181.13	181.13	181.13	181.13	181.13	181.13	181.13	181.13

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13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54
24.57	24.57	24.57	24.57	24.57	24.57	24.57	24.57
32.74	32.74	32.74	32.74	32.74	32.74	32.74	32.74
45.22	45.22	45.22	45.22	45.22	45.22	45.22	45.22
53.38	53.38	53.38	53.38	53.38	53.38	53.38	53.38
52.83	52.83	52.83	52.83	52.83	52.83	52.83	52.83
63.90	63.90	63.90	63.90	63.90	63.90	63.90	63.90
50.06	50.06	50.06	50.06	50.06	50.06	50.06	50.06
51.63	51.63	51.63	51.63	51.63	51.63	51.63	51.63
53.24	53.24	53.24	53.24	53.24	53.24	53.24	53.24

54.91	54.91	54.91	54.91	54.91	54.91	54.91	54.91
56.63	56.63	56.63	56.63	56.63	56.63	56.63	56.63
58.40	58.40	58.40	58.40	58.40	58.40	58.40	58.40
60.23	60.23	60.23	60.23	60.23	60.23	60.23	60.23
43.48	62.11	62.11	62.11	62.11	62.11	62.11	62.11
32.03	44.84	64.05	64.05	64.05	64.05	64.05	64.05
19.82	33.03	46.24	66.06	66.06	66.06	66.06	66.06
6.81	20.44	34.06	47.69	68.13	68.13	68.13	68.13
-	7.03	21.08	35.13	49.18	70.26	70.26	70.26
-	-	7.25	21.74	36.23	50.72	72.46	72.46
-	-	-	7.47	22.42	37.36	52.31	74.72
-	-	-	-	7.71	23.12	38.53	53.94
-	-	-	-	-	7.95	23.84	39.74
619.00	666.91	715.75	765.52	816.24	867.93	915.10	952.15

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-	-	-	-	-	-	-	-
9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53
14.54	14.54	14.54	14.54	14.54	14.54	14.54	14.54
18.66	18.66	18.66	18.66	18.66	18.66	18.66	18.66
21.73	21.73	21.73	21.73	21.73	21.73	21.73	21.73
20.26	20.26	20.26	20.26	20.26	20.26	20.26	20.26
14.98	14.98	14.98	14.98	14.98	14.98	14.98	14.98
186.49	186.49	186.49	186.49	186.49	186.49	186.49	186.49
5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37
2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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245.46	245.46	245.46	245.46	245.46	245.46	245.46	245.46

				Program Duration (Measure Life)			
22	23	24	25	1	2	3	4
				2021$			
				Retail Uncleared Capacity Avoided Costs			
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
11.67	11.67	11.67	11.67	14.62	14.62	14.62	14.62
21.17	21.17	21.17	21.17	10.61	26.52	26.52	26.52
31.58	31.58	31.58	31.58	11.31	22.61	39.57	39.57
44.23	44.23	44.23	44.23	12.31	24.63	36.94	55.41
46.77	46.77	46.77	46.77	5.86	17.58	29.30	41.02
50.24	50.24	50.24	50.24	-	6.29	18.88	31.47
53.38	53.38	53.38	53.38	-	-	6.69	20.06
52.83	52.83	52.83	52.83	-	-	-	6.62
63.90	63.90	63.90	63.90	-	-	-	-
50.06	50.06	50.06	50.06	-	-	-	-
51.63	51.63	51.63	51.63	-	-	-	-
53.24	53.24	53.24	53.24	-	-	-	-
54.91	54.91	54.91	54.91	-	-	-	-
56.63	56.63	56.63	56.63	-	-	-	-
58.40	58.40	58.40	58.40	-	-	-	-
60.23	60.23	60.23	60.23	-	-	-	-
62.11	62.11	62.11	62.11	-	-	-	-
64.05	64.05	64.05	64.05	-	-	-	-
66.06	66.06	66.06	66.06	-	-	-	-
68.13	68.13	68.13	68.13	-	-	-	-
70.26	70.26	70.26	70.26	-	-	-	-
72.46	72.46	72.46	72.46	-	-	-	-
52.31	74.72	74.72	74.72	-	-	-	-
38.53	53.94	77.06	77.06	-	-	-	-
23.84	39.74	55.63	79.47	-	-	-	-
994.05	1031.10	1057.84	1074.06	48.48	98.90	151.09	204.82

				Retail Net Uncleared Capacity DRIPE, Zor			
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6.32	6.32	6.32	6.32	7.92	7.92	7.92	7.92
13.96	13.96	13.96	13.96	5.81	17.50	17.50	17.50
18.02	18.02	18.02	18.02	4.70	10.63	22.57	22.57
21.06	21.06	21.06	21.06	3.37	8.16	14.20	26.38
19.71	19.71	19.71	19.71	-	1.32	6.18	12.33
14.51	14.51	14.51	14.51	-	-	-	-
9.03	9.03	9.03	9.03	-	-	-	-
5.18	5.18	5.18	5.18	-	-	-	-
46.80	46.80	46.80	46.80	-	-	-	-
0.61	0.61	0.61	0.61	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
132.74	132.74	132.74	132.74	19.43	40.43	60.45	76.38

2022$

				Retail Uncleared Capacity Avoided Costs			
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
12.70	12.70	12.70	12.70	16.24	16.24	16.24	16.24
22.56	22.56	22.56	22.56	11.54	28.84	28.84	28.84
34.40	34.40	34.40	34.40	12.56	25.13	43.98	43.98
42.09	42.09	42.09	42.09	11.96	23.91	35.87	53.81
50.24	50.24	50.24	50.24	6.42	19.27	32.11	44.95
53.38	53.38	53.38	53.38	-	6.82	20.47	34.12
52.83	52.83	52.83	52.83	-	-	6.75	20.26
63.90	63.90	63.90	63.90	-	-	-	8.17
50.06	50.06	50.06	50.06	-	-	-	-
51.63	51.63	51.63	51.63	-	-	-	-
53.24	53.24	53.24	53.24	-	-	-	-
54.91	54.91	54.91	54.91	-	-	-	-
56.63	56.63	56.63	56.63	-	-	-	-
58.40	58.40	58.40	58.40	-	-	-	-
60.23	60.23	60.23	60.23	-	-	-	-
62.11	62.11	62.11	62.11	-	-	-	-
64.05	64.05	64.05	64.05	-	-	-	-
66.06	66.06	66.06	66.06	-	-	-	-
68.13	68.13	68.13	68.13	-	-	-	-
70.26	70.26	70.26	70.26	-	-	-	-
72.46	72.46	72.46	72.46	-	-	-	-
74.72	74.72	74.72	74.72	-	-	-	-
53.94	77.06	77.06	77.06	-	-	-	-
39.74	55.63	79.47	79.47	-	-	-	-
992.40	1019.14	1035.36	1035.36	51.45	104.70	159.52	215.39

				Retail Net Uncleared Capacity DRIPE, Zor			
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-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
9.33	9.33	9.33	9.33	11.93	11.93	11.93	11.93
14.27	14.27	14.27	14.27	6.05	18.24	18.24	18.24
18.37	18.37	18.37	18.37	4.89	11.06	23.48	23.48
21.39	21.39	21.39	21.39	3.49	8.45	14.72	27.34
20.02	20.02	20.02	20.02	-	1.37	6.41	12.78

14.68	14.68	14.68	14.68	-	-	-	-
9.22	9.22	9.22	9.22	-	-	-	-
104.77	104.77	104.77	104.77	-	-	-	-
2.40	2.40	2.40	2.40	-	-	-	-
0.62	0.62	0.62	0.62	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
181.13	181.13	181.13	181.13	23.28	44.87	65.41	81.72

2023$

				Retail Uncleared Capacity Avoided Costs			
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-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
13.54	13.54	13.54	13.54	17.66	17.66	17.66	17.66
24.57	24.57	24.57	24.57	12.82	32.05	32.05	32.05
32.74	32.74	32.74	32.74	12.20	24.40	42.70	42.70
45.22	45.22	45.22	45.22	13.11	26.21	39.32	58.97
53.38	53.38	53.38	53.38	6.96	20.89	34.81	48.73
52.83	52.83	52.83	52.83	-	6.89	20.67	34.45
63.90	63.90	63.90	63.90	-	-	8.33	25.00
50.06	50.06	50.06	50.06	-	-	-	6.53
51.63	51.63	51.63	51.63	-	-	-	-
53.24	53.24	53.24	53.24	-	-	-	-

54.91	54.91	54.91	54.91	-	-	-	-
56.63	56.63	56.63	56.63	-	-	-	-
58.40	58.40	58.40	58.40	-	-	-	-
60.23	60.23	60.23	60.23	-	-	-	-
62.11	62.11	62.11	62.11	-	-	-	-
64.05	64.05	64.05	64.05	-	-	-	-
66.06	66.06	66.06	66.06	-	-	-	-
68.13	68.13	68.13	68.13	-	-	-	-
70.26	70.26	70.26	70.26	-	-	-	-
72.46	72.46	72.46	72.46	-	-	-	-
74.72	74.72	74.72	74.72	-	-	-	-
77.06	77.06	77.06	77.06	-	-	-	-
55.63	79.47	79.47	79.47	-	-	-	-
978.89	995.12	995.12	995.12	54.33	110.27	167.27	226.24

				Retail Net Uncleared Capacity DRIPE, Zor			
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
9.53	9.53	9.53	9.53	12.44	12.44	12.44	12.44
14.54	14.54	14.54	14.54	6.30	18.97	18.97	18.97
18.66	18.66	18.66	18.66	5.06	11.46	24.33	24.33
21.73	21.73	21.73	21.73	3.62	8.76	15.26	28.34
20.26	20.26	20.26	20.26	-	1.41	6.62	13.19
14.98	14.98	14.98	14.98	-	-	-	-
186.49	186.49	186.49	186.49	-	-	-	-
5.37	5.37	5.37	5.37	-	-	-	-
2.44	2.44	2.44	2.44	-	-	-	-
0.63	0.63	0.63	0.63	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
0.00	0.00	0.00	0.00	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

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-	-	-	-
-	-	-	-
245.46	245.46	245.46	245.46

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-	-	-	-
-	-	-	-
23.93	46.08	67.10	83.78

RETAIL RATES ADJUSTED FOR I

5	6	7	8	9	10	11
- NH - Sustained Demand Reductions						
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-	-	-	-	-	-	-
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-	-	-	-	-	-	-
-	-	-	-	-	-	-
14.62	14.62	14.62	14.62	14.62	14.62	14.62
26.52	26.52	26.52	26.52	26.52	26.52	26.52
39.57	39.57	39.57	39.57	39.57	39.57	39.57
55.41	55.41	55.41	55.41	55.41	55.41	55.41
58.59	58.59	58.59	58.59	58.59	58.59	58.59
44.06	62.94	62.94	62.94	62.94	62.94	62.94
33.44	46.81	66.87	66.87	66.87	66.87	66.87
19.86	33.09	46.33	66.19	66.19	66.19	66.19
8.01	24.02	40.03	56.04	80.05	80.05	80.05
-	6.27	18.82	31.36	43.90	62.72	62.72
-	-	6.47	19.40	32.34	45.28	64.68
-	-	-	6.67	20.01	33.35	46.69
-	-	-	-	6.88	20.64	34.40
-	-	-	-	-	7.09	21.28
-	-	-	-	-	-	7.32
-	-	-	-	-	-	-
-	-	-	-	-	-	-
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-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
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259.57	316.21	372.69	428.26	484.59	537.16	590.73

ne-on-Zone - NH - Sustained Demand Reductions

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-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
7.92	7.92	7.92	7.92	7.92	7.92	7.92
17.50	17.50	17.50	17.50	17.50	17.50	17.50
22.57	22.57	22.57	22.57	22.57	22.57	22.57
26.38	26.38	26.38	26.38	26.38	26.38	26.38
24.69	24.69	24.69	24.69	24.69	24.69	24.69
5.61	18.18	18.18	18.18	18.18	18.18	18.18
-	-	11.31	11.31	11.31	11.31	11.31
-	-	-	6.49	6.49	6.49	6.49
-	-	-	-	58.63	58.63	58.63
-	-	-	-	-	0.76	0.76
-	-	-	-	-	-	0.00
-	-	-	-	-	-	-
-	-	-	-	-	-	-
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91.82	102.53	112.06	117.46	165.68	166.30	166.30

- NH - Sustained Demand Reductions

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-	-	-	-	-	-	-
16.24	16.24	16.24	16.24	16.24	16.24	16.24
28.84	28.84	28.84	28.84	28.84	28.84	28.84
43.98	43.98	43.98	43.98	43.98	43.98	43.98
53.81	53.81	53.81	53.81	53.81	53.81	53.81
64.22	64.22	64.22	64.22	64.22	64.22	64.22
47.76	68.23	68.23	68.23	68.23	68.23	68.23
33.77	47.27	67.53	67.53	67.53	67.53	67.53
24.50	40.84	57.18	81.68	81.68	81.68	81.68
6.40	19.20	32.00	44.80	63.99	63.99	63.99
-	6.60	19.80	33.00	46.20	66.00	66.00
-	-	6.81	20.42	34.03	47.64	68.06
-	-	-	7.02	21.06	35.10	49.13
-	-	-	-	7.24	21.72	36.19
-	-	-	-	-	7.47	22.40
-	-	-	-	-	-	7.70
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
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273.18	330.80	387.51	444.98	498.62	553.28	608.99

ne-on-Zone - NH - Sustained Demand Reductions

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-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
11.93	11.93	11.93	11.93	11.93	11.93	11.93
18.24	18.24	18.24	18.24	18.24	18.24	18.24
23.48	23.48	23.48	23.48	23.48	23.48	23.48
27.34	27.34	27.34	27.34	27.34	27.34	27.34
25.60	25.60	25.60	25.60	25.60	25.60	25.60

5.79	18.76	18.76	18.76	18.76	18.76	18.76
-	-	11.78	11.78	11.78	11.78	11.78
-	-	-	133.93	133.93	133.93	133.93
-	-	-	-	3.07	3.07	3.07
-	-	-	-	-	0.79	0.79
-	-	-	-	-	-	0.00
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
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-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
97.53	108.45	118.25	228.41	230.90	231.54	231.54

- NH - Sustained Demand Reductions

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-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
17.66	17.66	17.66	17.66	17.66	17.66	17.66
32.05	32.05	32.05	32.05	32.05	32.05	32.05
42.70	42.70	42.70	42.70	42.70	42.70	42.70
58.97	58.97	58.97	58.97	58.97	58.97	58.97
69.62	69.62	69.62	69.62	69.62	69.62	69.62
48.24	68.91	68.91	68.91	68.91	68.91	68.91
41.67	58.34	83.34	83.34	83.34	83.34	83.34
19.59	32.65	45.71	65.30	65.30	65.30	65.30
6.73	20.20	33.67	47.14	67.34	67.34	67.34
-	6.94	20.83	34.72	48.61	69.45	69.45

-	-	7.16	21.49	35.81	50.13	71.62
-	-	-	7.39	22.16	36.93	51.70
-	-	-	-	7.62	22.85	38.09
-	-	-	-	-	7.86	23.57
-	-	-	-	-	-	8.10
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
285.04	342.90	401.54	456.27	512.04	568.89	626.82

ne-on-Zone - NH - Sustained Demand Reductions

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-	-	-	-	-	-	-
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-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
12.44	12.44	12.44	12.44	12.44	12.44	12.44
18.97	18.97	18.97	18.97	18.97	18.97	18.97
24.33	24.33	24.33	24.33	24.33	24.33	24.33
28.34	28.34	28.34	28.34	28.34	28.34	28.34
26.42	26.42	26.42	26.42	26.42	26.42	26.42
6.03	19.54	19.54	19.54	19.54	19.54	19.54
-	-	243.24	243.24	243.24	243.24	243.24
-	-	-	7.00	7.00	7.00	7.00
-	-	-	-	3.18	3.18	3.18
-	-	-	-	-	0.82	0.82
-	-	-	-	-	-	0.00
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
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-	-	-	-	-	-	-

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-	-	-	-	-	-	-
-	-	-	-	-	-	-
99.95	111.19	311.26	316.95	319.51	320.16	320.16

LIMITED HOUR DEMAND REDUCTIONS -- $/k

12	13	14	15	16	17	18
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
14.62	14.62	14.62	14.62	14.62	14.62	14.62
26.52	26.52	26.52	26.52	26.52	26.52	26.52
39.57	39.57	39.57	39.57	39.57	39.57	39.57
55.41	55.41	55.41	55.41	55.41	55.41	55.41
58.59	58.59	58.59	58.59	58.59	58.59	58.59
62.94	62.94	62.94	62.94	62.94	62.94	62.94
66.87	66.87	66.87	66.87	66.87	66.87	66.87
66.19	66.19	66.19	66.19	66.19	66.19	66.19
80.05	80.05	80.05	80.05	80.05	80.05	80.05
62.72	62.72	62.72	62.72	62.72	62.72	62.72
64.68	64.68	64.68	64.68	64.68	64.68	64.68
66.70	66.70	66.70	66.70	66.70	66.70	66.70
48.15	68.79	68.79	68.79	68.79	68.79	68.79
35.47	49.66	70.94	70.94	70.94	70.94	70.94
21.95	36.58	51.21	73.16	73.16	73.16	73.16
7.55	22.64	37.73	52.82	75.45	75.45	75.45
-	7.78	23.34	38.91	54.47	77.81	77.81
-	-	8.02	24.07	40.12	56.17	80.25
-	-	-	8.28	24.83	41.38	57.93
-	-	-	-	8.53	25.60	42.67
-	-	-	-	-	8.80	26.41
-	-	-	-	-	-	9.08
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
645.33	700.97	757.68	815.48	874.38	934.41	995.59

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-	-	-	-	-	-	-
-	-	-	-	-	-	-
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-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
7.92	7.92	7.92	7.92	7.92	7.92	7.92
17.50	17.50	17.50	17.50	17.50	17.50	17.50
22.57	22.57	22.57	22.57	22.57	22.57	22.57
26.38	26.38	26.38	26.38	26.38	26.38	26.38
24.69	24.69	24.69	24.69	24.69	24.69	24.69
18.18	18.18	18.18	18.18	18.18	18.18	18.18
11.31	11.31	11.31	11.31	11.31	11.31	11.31
6.49	6.49	6.49	6.49	6.49	6.49	6.49
58.63	58.63	58.63	58.63	58.63	58.63	58.63
0.76	0.76	0.76	0.76	0.76	0.76	0.76
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
-	0.00	0.00	0.00	0.00	0.00	0.00
-	-	0.00	0.00	0.00	0.00	0.00
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-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
166.30	166.30	166.30	166.30	166.30	166.30	166.30

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-	-	-	-	-	-	-
-	-	-	-	-	-	-
16.24	16.24	16.24	16.24	16.24	16.24	16.24
28.84	28.84	28.84	28.84	28.84	28.84	28.84
43.98	43.98	43.98	43.98	43.98	43.98	43.98
53.81	53.81	53.81	53.81	53.81	53.81	53.81
64.22	64.22	64.22	64.22	64.22	64.22	64.22
68.23	68.23	68.23	68.23	68.23	68.23	68.23
67.53	67.53	67.53	67.53	67.53	67.53	67.53
81.68	81.68	81.68	81.68	81.68	81.68	81.68
63.99	63.99	63.99	63.99	63.99	63.99	63.99
66.00	66.00	66.00	66.00	66.00	66.00	66.00
68.06	68.06	68.06	68.06	68.06	68.06	68.06
70.19	70.19	70.19	70.19	70.19	70.19	70.19
50.67	72.39	72.39	72.39	72.39	72.39	72.39
37.33	52.26	74.65	74.65	74.65	74.65	74.65
23.10	38.49	53.89	76.99	76.99	76.99	76.99
7.94	23.82	39.70	55.58	79.40	79.40	79.40
-	8.19	24.56	40.94	57.32	81.88	81.88
-	-	8.44	25.33	42.22	59.11	84.44
-	-	-	8.71	26.13	43.54	60.96
-	-	-	-	8.98	26.94	44.90
-	-	-	-	-	9.26	27.79
-	-	-	-	-	-	9.55
-	-	-	-	-	-	-
-	-	-	-	-	-	-
665.77	723.63	782.60	842.70	903.95	966.38	1030.00

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-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
11.93	11.93	11.93	11.93	11.93	11.93	11.93
18.24	18.24	18.24	18.24	18.24	18.24	18.24
23.48	23.48	23.48	23.48	23.48	23.48	23.48
27.34	27.34	27.34	27.34	27.34	27.34	27.34
25.60	25.60	25.60	25.60	25.60	25.60	25.60

18.76	18.76	18.76	18.76	18.76	18.76	18.76
11.78	11.78	11.78	11.78	11.78	11.78	11.78
133.93	133.93	133.93	133.93	133.93	133.93	133.93
3.07	3.07	3.07	3.07	3.07	3.07	3.07
0.79	0.79	0.79	0.79	0.79	0.79	0.79
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
-	0.00	0.00	0.00	0.00	0.00	0.00
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231.54	231.54	231.54	231.54	231.54	231.54	231.54

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17.66	17.66	17.66	17.66	17.66	17.66	17.66
32.05	32.05	32.05	32.05	32.05	32.05	32.05
42.70	42.70	42.70	42.70	42.70	42.70	42.70
58.97	58.97	58.97	58.97	58.97	58.97	58.97
69.62	69.62	69.62	69.62	69.62	69.62	69.62
68.91	68.91	68.91	68.91	68.91	68.91	68.91
83.34	83.34	83.34	83.34	83.34	83.34	83.34
65.30	65.30	65.30	65.30	65.30	65.30	65.30
67.34	67.34	67.34	67.34	67.34	67.34	67.34
69.45	69.45	69.45	69.45	69.45	69.45	69.45

71.62	71.62	71.62	71.62	71.62	71.62	71.62
73.86	73.86	73.86	73.86	73.86	73.86	73.86
53.32	76.17	76.17	76.17	76.17	76.17	76.17
39.28	54.99	78.55	78.55	78.55	78.55	78.55
24.30	40.51	56.71	81.01	81.01	81.01	81.01
8.35	25.06	41.77	58.48	83.55	83.55	83.55
-	8.62	25.85	43.08	60.31	86.16	86.16
-	-	8.89	26.66	44.43	62.20	88.86
-	-	-	9.16	27.49	45.82	64.15
-	-	-	-	9.45	28.35	47.25
-	-	-	-	-	9.75	29.24
-	-	-	-	-	-	10.05
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685.86	746.03	807.35	869.85	933.55	998.46	1064.62

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12.44	12.44	12.44	12.44	12.44	12.44	12.44
18.97	18.97	18.97	18.97	18.97	18.97	18.97
24.33	24.33	24.33	24.33	24.33	24.33	24.33
28.34	28.34	28.34	28.34	28.34	28.34	28.34
26.42	26.42	26.42	26.42	26.42	26.42	26.42
19.54	19.54	19.54	19.54	19.54	19.54	19.54
243.24	243.24	243.24	243.24	243.24	243.24	243.24
7.00	7.00	7.00	7.00	7.00	7.00	7.00
3.18	3.18	3.18	3.18	3.18	3.18	3.18
0.82	0.82	0.82	0.82	0.82	0.82	0.82
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
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320.16	320.16	320.16	320.16	320.16	320.16	320.16

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14.62	14.62	14.62	14.62	14.62	14.62	14.62
26.52	26.52	26.52	26.52	26.52	26.52	26.52
39.57	39.57	39.57	39.57	39.57	39.57	39.57
55.41	55.41	55.41	55.41	55.41	55.41	55.41
58.59	58.59	58.59	58.59	58.59	58.59	58.59
62.94	62.94	62.94	62.94	62.94	62.94	62.94
66.87	66.87	66.87	66.87	66.87	66.87	66.87
66.19	66.19	66.19	66.19	66.19	66.19	66.19
80.05	80.05	80.05	80.05	80.05	80.05	80.05
62.72	62.72	62.72	62.72	62.72	62.72	62.72
64.68	64.68	64.68	64.68	64.68	64.68	64.68
66.70	66.70	66.70	66.70	66.70	66.70	66.70
68.79	68.79	68.79	68.79	68.79	68.79	68.79
70.94	70.94	70.94	70.94	70.94	70.94	70.94
73.16	73.16	73.16	73.16	73.16	73.16	73.16
75.45	75.45	75.45	75.45	75.45	75.45	75.45
77.81	77.81	77.81	77.81	77.81	77.81	77.81
80.25	80.25	80.25	80.25	80.25	80.25	80.25
82.76	82.76	82.76	82.76	82.76	82.76	82.76
59.74	85.35	85.35	85.35	85.35	85.35	85.35
44.01	61.61	88.02	88.02	88.02	88.02	88.02
27.23	45.39	63.54	90.77	90.77	90.77	90.77
9.36	28.08	46.81	65.53	93.61	93.61	93.61
-	9.65	28.96	48.27	67.58	96.54	96.54
-	-	9.96	29.87	49.78	69.69	99.56
1057.94	1121.49	1186.25	1245.34	1291.76	1325.26	1345.58

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7.92	7.92	7.92	7.92	7.92	7.92	7.92
17.50	17.50	17.50	17.50	17.50	17.50	17.50
22.57	22.57	22.57	22.57	22.57	22.57	22.57
26.38	26.38	26.38	26.38	26.38	26.38	26.38
24.69	24.69	24.69	24.69	24.69	24.69	24.69
18.18	18.18	18.18	18.18	18.18	18.18	18.18
11.31	11.31	11.31	11.31	11.31	11.31	11.31
6.49	6.49	6.49	6.49	6.49	6.49	6.49
58.63	58.63	58.63	58.63	58.63	58.63	58.63
0.76	0.76	0.76	0.76	0.76	0.76	0.76
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
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166.30	166.30	166.30	166.30	166.30	166.30	166.30

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16.24	16.24	16.24	16.24	16.24	16.24	16.24
28.84	28.84	28.84	28.84	28.84	28.84	28.84
43.98	43.98	43.98	43.98	43.98	43.98	43.98
53.81	53.81	53.81	53.81	53.81	53.81	53.81
64.22	64.22	64.22	64.22	64.22	64.22	64.22
68.23	68.23	68.23	68.23	68.23	68.23	68.23
67.53	67.53	67.53	67.53	67.53	67.53	67.53
81.68	81.68	81.68	81.68	81.68	81.68	81.68
63.99	63.99	63.99	63.99	63.99	63.99	63.99
66.00	66.00	66.00	66.00	66.00	66.00	66.00
68.06	68.06	68.06	68.06	68.06	68.06	68.06
70.19	70.19	70.19	70.19	70.19	70.19	70.19
72.39	72.39	72.39	72.39	72.39	72.39	72.39
74.65	74.65	74.65	74.65	74.65	74.65	74.65
76.99	76.99	76.99	76.99	76.99	76.99	76.99
79.40	79.40	79.40	79.40	79.40	79.40	79.40
81.88	81.88	81.88	81.88	81.88	81.88	81.88
84.44	84.44	84.44	84.44	84.44	84.44	84.44
87.08	87.08	87.08	87.08	87.08	87.08	87.08
62.87	89.81	89.81	89.81	89.81	89.81	89.81
46.31	64.83	92.62	92.62	92.62	92.62	92.62
28.65	47.76	66.86	95.52	95.52	95.52	95.52
9.85	29.55	49.25	68.95	98.51	98.51	98.51
-	10.16	30.48	50.79	71.11	101.59	101.59
1094.84	1160.91	1221.21	1268.57	1302.75	1323.49	1323.49

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11.93	11.93	11.93	11.93	11.93	11.93	11.93
18.24	18.24	18.24	18.24	18.24	18.24	18.24
23.48	23.48	23.48	23.48	23.48	23.48	23.48
27.34	27.34	27.34	27.34	27.34	27.34	27.34
25.60	25.60	25.60	25.60	25.60	25.60	25.60

18.76	18.76	18.76	18.76	18.76	18.76	18.76
11.78	11.78	11.78	11.78	11.78	11.78	11.78
133.93	133.93	133.93	133.93	133.93	133.93	133.93
3.07	3.07	3.07	3.07	3.07	3.07	3.07
0.79	0.79	0.79	0.79	0.79	0.79	0.79
0.00	0.00	0.00	0.00	0.00	0.00	0.00
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231.54	231.54	231.54	231.54	231.54	231.54	231.54

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17.66	17.66	17.66	17.66	17.66	17.66	17.66
32.05	32.05	32.05	32.05	32.05	32.05	32.05
42.70	42.70	42.70	42.70	42.70	42.70	42.70
58.97	58.97	58.97	58.97	58.97	58.97	58.97
69.62	69.62	69.62	69.62	69.62	69.62	69.62
68.91	68.91	68.91	68.91	68.91	68.91	68.91
83.34	83.34	83.34	83.34	83.34	83.34	83.34
65.30	65.30	65.30	65.30	65.30	65.30	65.30
67.34	67.34	67.34	67.34	67.34	67.34	67.34
69.45	69.45	69.45	69.45	69.45	69.45	69.45

71.62	71.62	71.62	71.62	71.62	71.62	71.62
73.86	73.86	73.86	73.86	73.86	73.86	73.86
76.17	76.17	76.17	76.17	76.17	76.17	76.17
78.55	78.55	78.55	78.55	78.55	78.55	78.55
81.01	81.01	81.01	81.01	81.01	81.01	81.01
83.55	83.55	83.55	83.55	83.55	83.55	83.55
86.16	86.16	86.16	86.16	86.16	86.16	86.16
88.86	88.86	88.86	88.86	88.86	88.86	88.86
91.64	91.64	91.64	91.64	91.64	91.64	91.64
66.15	94.50	94.50	94.50	94.50	94.50	94.50
48.73	68.22	97.46	97.46	97.46	97.46	97.46
30.15	50.25	70.36	100.51	100.51	100.51	100.51
10.37	31.10	51.83	72.56	103.65	103.65	103.65
1132.04	1193.56	1241.89	1276.76	1297.92	1297.92	1297.92

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12.44	12.44	12.44	12.44	12.44	12.44	12.44
18.97	18.97	18.97	18.97	18.97	18.97	18.97
24.33	24.33	24.33	24.33	24.33	24.33	24.33
28.34	28.34	28.34	28.34	28.34	28.34	28.34
26.42	26.42	26.42	26.42	26.42	26.42	26.42
19.54	19.54	19.54	19.54	19.54	19.54	19.54
243.24	243.24	243.24	243.24	243.24	243.24	243.24
7.00	7.00	7.00	7.00	7.00	7.00	7.00
3.18	3.18	3.18	3.18	3.18	3.18	3.18
0.82	0.82	0.82	0.82	0.82	0.82	0.82
0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00
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320.16	320.16	320.16	320.16	320.16	320.16	320.16

CHANGED FORMULA (all rows)

STRATEGY SUMMARY

Strategy	Link	AESC Sensitivity	AESC Preset	Preset Detail
Top 20 All Hours	Strategy 1	Main 2021 AESC	Peak Load (Top %)	0.23%
Top 20 Summer Hours	Strategy 2	Main 2021 AESC	Peak Load (Top %)	0.68%
Summer Daily Discharge	Strategy 3	Main 2021 AESC	User Input	Discharge daily 4-7 pr
Summer Daily Charge	Strategy 4	Main 2021 AESC	User Input	Charge daily 2-5 am ,
Summer Targeted Charge	Strategy 5	Main 2021 AESC	User Input	Charge 2-5 am, July a
Top 20 Winter Hours	Strategy 6	Main 2021 AESC	Peak Load (Top %)	0.34%
Winter Targeted Charge	Strategy 7	Main 2021 AESC	User Input	Charge 2-5 am, Dece
1	2	3	4	5
		2	4	

Years		Retail Energy $/kWh	Energy DRIPE $/kWh	Retail Energy $/kWh
ANNUAL AVOIDED COSTS				**CUMULATIVE A**
2021	**2021$**			
1	2021	0.051	0.005	0.051
2	2022	0.048	0.007	0.098
3	2023	0.044	0.008	0.141
4	2024	0.049	0.010	0.188
5	2025	0.048	0.010	0.233
6	2026	0.046	0.009	0.276
7	2027	0.047	0.009	0.319
8	2028	0.046	0.008	0.361
9	2029	0.049	0.008	0.406
10	2030	0.054	0.007	0.454
11	2031	0.056	0.005	0.504
12	2032	0.056	-	0.552
13	2033	0.055	-	0.600
14	2034	0.059	-	0.650
15	2035	0.063	-	0.703
16	2036	0.065	-	0.757
17	2037	0.067	-	0.812
18	2038	0.070	-	0.868
19	2039	0.072	-	0.927
20	2040	0.075	-	0.986
21	2041	0.078	-	1.048
22	2042	0.082	-	1.111
23	2043	0.085	-	1.176
24	2044	0.089	-	1.244
25	2045	0.093	-	1.314
26	2046	0.097	-	1.386
27	2047	0.102	-	1.460
2022	**2022$**			
1	2022	0.049	0.007	0.049
2	2023	0.045	0.008	0.093

3	2024	0.050	0.010	0.141
4	2025	0.049	0.010	0.188
5	2026	0.047	0.009	0.232
6	2027	0.048	0.009	0.277
7	2028	0.047	0.008	0.321
8	2029	0.050	0.008	0.367
9	2030	0.055	0.007	0.416
10	2031	0.057	0.005	0.467
11	2032	0.057	-	0.518
12	2033	0.057	-	0.567
13	2034	0.060	-	0.619
14	2035	0.064	-	0.673
15	2036	0.066	-	0.729
16	2037	0.068	-	0.786
17	2038	0.071	-	0.844
18	2039	0.074	-	0.904
19	2040	0.077	-	0.966
20	2041	0.080	-	1.029
21	2042	0.083	-	1.095
22	2043	0.087	-	1.162
23	2044	0.091	-	1.232
24	2045	0.095	-	1.304
25	2046	0.099	-	1.378
2023	**2023$**			
1	2023	0.046	0.008	0.045
2	2024	0.051	0.010	0.095
3	2025	0.050	0.010	0.144
4	2026	0.048	0.009	0.189
5	2027	0.049	0.009	0.235
6	2028	0.048	0.008	0.281
7	2029	0.051	0.008	0.328
8	2030	0.056	0.007	0.380
9	2031	0.058	0.005	0.432
10	2032	0.058	-	0.484
11	2033	0.058	-	0.535
12	2034	0.061	-	0.588
13	2035	0.065	-	0.645
14	2036	0.067	-	0.702
15	2037	0.070	-	0.761
16	2038	0.072	-	0.821
17	2039	0.075	-	0.883
18	2040	0.078	-	0.947
19	2041	0.082	-	1.012
20	2042	0.085	-	1.080
21	2043	0.089	-	1.149
22	2044	0.093	-	1.221
23	2045	0.097	-	1.296
24	2046	0.101	-	1.372
25	2047	0.106	-	1.452

Years		Retail Energy $/kWh	Energy DRIPE $/kWh	Retail Energy $/kWh
ANNUAL AVOIDED COSTS				**CUMULATIVE A**
2021	**2021$**			
1	2021	0.051	0.005	0.051
2	2022	0.048	0.007	0.098
3	2023	0.044	0.008	0.141
4	2024	0.049	0.010	0.188
5	2025	0.048	0.010	0.233
6	2026	0.046	0.009	0.276
7	2027	0.047	0.009	0.319
8	2028	0.046	0.008	0.361
9	2029	0.049	0.008	0.406
10	2030	0.054	0.007	0.454
11	2031	0.056	0.005	0.504
12	2032	0.056	-	0.552
13	2033	0.055	-	0.600
14	2034	0.059	-	0.650
15	2035	0.063	-	0.703
16	2036	0.065	-	0.757
17	2037	0.067	-	0.812
18	2038	0.070	-	0.868
19	2039	0.072	-	0.927
20	2040	0.075	-	0.986
21	2041	0.078	-	1.048
22	2042	0.082	-	1.111
23	2043	0.085	-	1.176
24	2044	0.089	-	1.244
25	2045	0.093	-	1.314
26	2046	0.097	-	1.386
27	2047	0.102	-	1.460
2022	**2022$**			
1	2022	0.049	0.007	0.049
2	2023	0.045	0.008	0.093
3	2024	0.050	0.010	0.141
4	2025	0.049	0.010	0.188
5	2026	0.047	0.009	0.232
6	2027	0.048	0.009	0.277
7	2028	0.047	0.008	0.321
8	2029	0.050	0.008	0.367
9	2030	0.055	0.007	0.416
10	2031	0.057	0.005	0.467
11	2032	0.057	-	0.518
12	2033	0.057	-	0.567
13	2034	0.060	-	0.619

14	2035	0.064	-	0.673
15	2036	0.066	-	0.729
16	2037	0.068	-	0.786
17	2038	0.071	-	0.844
18	2039	0.074	-	0.904
19	2040	0.077	-	0.966
20	2041	0.080	-	1.029
21	2042	0.083	-	1.095
22	2043	0.087	-	1.162
23	2044	0.091	-	1.232
24	2045	0.095	-	1.304
25	2046	0.099	-	1.378
2023	**2023$**			
1	2023	0.046	0.008	0.045
2	2024	0.051	0.010	0.095
3	2025	0.050	0.010	0.144
4	2026	0.048	0.009	0.189
5	2027	0.049	0.009	0.235
6	2028	0.048	0.008	0.281
7	2029	0.051	0.008	0.328
8	2030	0.056	0.007	0.380
9	2031	0.058	0.005	0.432
10	2032	0.058	-	0.484
11	2033	0.058	-	0.535
12	2034	0.061	-	0.588
13	2035	0.065	-	0.645
14	2036	0.067	-	0.702
15	2037	0.070	-	0.761
16	2038	0.072	-	0.821
17	2039	0.075	-	0.883
18	2040	0.078	-	0.947
19	2041	0.082	-	1.012
20	2042	0.085	-	1.080
21	2043	0.089	-	1.149
22	2044	0.093	-	1.221
23	2045	0.097	-	1.296
24	2046	0.101	-	1.372
25	2047	0.106	-	1.452

Years		Retail Energy $/kWh	Energy DRIPE $/kWh	Retail Energy $/kWh
ANNUAL AVOIDED COSTS				**CUMULATIVE A**
2021	**2021$**			
1	2021	0.046	0.002	0.046
2	2022	0.043	0.002	0.089
3	2023	0.041	0.003	0.129

4	2024	0.043	0.003	0.170
5	2025	0.042	0.003	0.210
6	2026	0.042	0.003	0.249
7	2027	0.043	0.003	0.289
8	2028	0.043	0.003	0.329
9	2029	0.045	0.003	0.369
10	2030	0.048	0.002	0.412
11	2031	0.049	0.002	0.456
12	2032	0.051	-	0.500
13	2033	0.048	-	0.542
14	2034	0.049	-	0.584
15	2035	0.050	-	0.626
16	2036	0.051	-	0.669
17	2037	0.052	-	0.711
18	2038	0.052	-	0.753
19	2039	0.053	-	0.796
20	2040	0.054	-	0.839
21	2041	0.055	-	0.882
22	2042	0.056	-	0.926
23	2043	0.057	-	0.970
24	2044	0.059	-	1.014
25	2045	0.060	-	1.059
26	2046	0.061	-	1.104
27	2047	0.063	-	1.150
2022 2022$				
1	2022	0.044	0.002	0.044
2	2023	0.042	0.003	0.086
3	2024	0.044	0.003	0.128
4	2025	0.043	0.003	0.169
5	2026	0.043	0.003	0.210
6	2027	0.044	0.003	0.251
7	2028	0.044	0.003	0.292
8	2029	0.046	0.003	0.334
9	2030	0.049	0.002	0.378
10	2031	0.050	0.002	0.423
11	2032	0.052	-	0.469
12	2033	0.049	-	0.512
13	2034	0.050	-	0.555
14	2035	0.051	-	0.599
15	2036	0.052	-	0.643
16	2037	0.053	-	0.686
17	2038	0.053	-	0.730
18	2039	0.054	-	0.774
19	2040	0.055	-	0.819
20	2041	0.056	-	0.863
21	2042	0.057	-	0.908
22	2043	0.058	-	0.953
23	2044	0.060	-	0.999
24	2045	0.061	-	1.045

25	2046	0.062	-	1.092
2023	**2023$**			
1	2023	0.043	0.003	0.043
2	2024	0.045	0.003	0.087
3	2025	0.043	0.003	0.129
4	2026	0.044	0.003	0.171
5	2027	0.045	0.003	0.213
6	2028	0.045	0.003	0.256
7	2029	0.047	0.003	0.299
8	2030	0.050	0.002	0.345
9	2031	0.051	0.002	0.391
10	2032	0.053	-	0.439
11	2033	0.050	-	0.483
12	2034	0.051	-	0.528
13	2035	0.052	-	0.573
14	2036	0.053	-	0.618
15	2037	0.054	-	0.663
16	2038	0.054	-	0.709
17	2039	0.055	-	0.754
18	2040	0.056	-	0.800
19	2041	0.057	-	0.846
20	2042	0.058	-	0.892
21	2043	0.060	-	0.939
22	2044	0.061	-	0.986
23	2045	0.062	-	1.034
24	2046	0.064	-	1.082
25	2047	0.065	-	1.131

Years		Retail Energy $/kWh	Energy DRIPE $/kWh	Retail Energy $/kWh
ANNUAL AVOIDED COSTS				**CUMULATIVE A**
2021	**2021$**			
1	2021	0.040	0.001	0.040
2	2022	0.037	0.001	0.076
3	2023	0.036	0.002	0.111
4	2024	0.036	0.002	0.146
5	2025	0.035	0.002	0.179
6	2026	0.035	0.002	0.212
7	2027	0.035	0.002	0.245
8	2028	0.036	0.002	0.278
9	2029	0.036	0.002	0.311
10	2030	0.040	0.001	0.347
11	2031	0.040	0.001	0.382
12	2032	0.041	-	0.418
13	2033	0.038	-	0.451
14	2034	0.039	-	0.484

15	2035	0.040	-	0.517
16	2036	0.040	-	0.550
17	2037	0.040	-	0.583
18	2038	0.040	-	0.616
19	2039	0.040	-	0.648
20	2040	0.041	-	0.680
21	2041	0.041	-	0.712
22	2042	0.041	-	0.744
23	2043	0.042	-	0.777
24	2044	0.043	-	0.809
25	2045	0.043	-	0.841
26	2046	0.044	-	0.874
27	2047	0.045	-	0.906
2022 2022$				
1	2022	0.038	0.001	0.038
2	2023	0.037	0.002	0.074
3	2024	0.037	0.002	0.110
4	2025	0.036	0.002	0.144
5	2026	0.036	0.002	0.178
6	2027	0.036	0.002	0.212
7	2028	0.037	0.002	0.246
8	2029	0.037	0.002	0.280
9	2030	0.041	0.001	0.317
10	2031	0.041	0.001	0.354
11	2032	0.042	-	0.390
12	2033	0.039	-	0.424
13	2034	0.040	-	0.459
14	2035	0.040	-	0.493
15	2036	0.040	-	0.527
16	2037	0.041	-	0.561
17	2038	0.041	-	0.595
18	2039	0.041	-	0.628
19	2040	0.041	-	0.661
20	2041	0.042	-	0.694
21	2042	0.042	-	0.728
22	2043	0.043	-	0.761
23	2044	0.043	-	0.794
24	2045	0.044	-	0.828
25	2046	0.045	-	0.861
2023 2023$				
1	2023	0.037	0.002	0.037
2	2024	0.038	0.002	0.074
3	2025	0.037	0.002	0.110
4	2026	0.037	0.002	0.145
5	2027	0.037	0.002	0.180
6	2028	0.037	0.002	0.215
7	2029	0.038	0.002	0.250
8	2030	0.042	0.001	0.288

9	2031	0.042	0.001	0.326
10	2032	0.042	-	0.364
11	2033	0.040	-	0.399
12	2034	0.040	-	0.435
13	2035	0.041	-	0.470
14	2036	0.041	-	0.506
15	2037	0.041	-	0.540
16	2038	0.042	-	0.575
17	2039	0.042	-	0.610
18	2040	0.042	-	0.644
19	2041	0.043	-	0.678
20	2042	0.043	-	0.712
21	2043	0.044	-	0.747
22	2044	0.044	-	0.781
23	2045	0.045	-	0.816
24	2046	0.046	-	0.850
25	2047	0.046	-	0.885

Years		Retail Energy $/kWh	Energy DRIPE $/kWh	Retail Energy $/kWh
ANNUAL AVOIDED COSTS				CUMULATIVE A
2021	2021$			
1	2021	0.041	0.001	0.041
2	2022	0.039	0.002	0.079
3	2023	0.037	0.002	0.116
4	2024	0.039	0.002	0.153
5	2025	0.038	0.002	0.189
6	2026	0.038	0.002	0.224
7	2027	0.038	0.002	0.259
8	2028	0.039	0.002	0.295
9	2029	0.040	0.002	0.331
10	2030	0.044	0.002	0.370
11	2031	0.044	0.001	0.409
12	2032	0.044	-	0.448
13	2033	0.042	-	0.484
14	2034	0.043	-	0.521
15	2035	0.043	-	0.557
16	2036	0.043	-	0.593
17	2037	0.043	-	0.629
18	2038	0.044	-	0.664
19	2039	0.044	-	0.700
20	2040	0.044	-	0.735
21	2041	0.045	-	0.770
22	2042	0.045	-	0.805
23	2043	0.046	-	0.840
24	2044	0.046	-	0.876
25	2045	0.047	-	0.911

26	2046	0.048	-	0.946
27	2047	0.049	-	0.982
2022 2022$				
1	2022	0.040	0.002	0.040
2	2023	0.038	0.002	0.077
3	2024	0.040	0.002	0.115
4	2025	0.038	0.002	0.152
5	2026	0.039	0.002	0.189
6	2027	0.039	0.002	0.225
7	2028	0.040	0.002	0.262
8	2029	0.041	0.002	0.300
9	2030	0.044	0.002	0.340
10	2031	0.045	0.001	0.380
11	2032	0.045	-	0.420
12	2033	0.043	-	0.457
13	2034	0.044	-	0.495
14	2035	0.044	-	0.533
15	2036	0.044	-	0.570
16	2037	0.044	-	0.607
17	2038	0.045	-	0.644
18	2039	0.045	-	0.680
19	2040	0.045	-	0.716
20	2041	0.046	-	0.753
21	2042	0.046	-	0.789
22	2043	0.047	-	0.825
23	2044	0.047	-	0.862
24	2045	0.048	-	0.898
25	2046	0.049	-	0.935
2023 2023$				
1	2023	0.039	0.002	0.039
2	2024	0.040	0.002	0.078
3	2025	0.039	0.002	0.116
4	2026	0.039	0.002	0.154
5	2027	0.040	0.002	0.192
6	2028	0.041	0.002	0.230
7	2029	0.042	0.002	0.269
8	2030	0.045	0.002	0.310
9	2031	0.046	0.001	0.352
10	2032	0.046	-	0.393
11	2033	0.044	-	0.431
12	2034	0.045	-	0.470
13	2035	0.045	-	0.509
14	2036	0.045	-	0.548
15	2037	0.045	-	0.586
16	2038	0.045	-	0.624
17	2039	0.046	-	0.661
18	2040	0.046	-	0.699
19	2041	0.047	-	0.736

20	2042	0.047	-	0.774
21	2043	0.048	-	0.811
22	2044	0.048	-	0.849
23	2045	0.049	-	0.886
24	2046	0.050	-	0.924
25	2047	0.051	-	0.962

Years		Retail Energy $/kWh	Energy DRIPE $/kWh	Retail Energy $/kWh
ANNUAL AVOIDED COSTS				**CUMULATIVE A**
2021 2021$				
1	2021	0.071	0.008	0.070
2	2022	0.080	0.015	0.149
3	2023	0.078	0.018	0.225
4	2024	0.079	0.018	0.301
5	2025	0.081	0.019	0.378
6	2026	0.081	0.018	0.454
7	2027	0.081	0.017	0.529
8	2028	0.081	0.016	0.603
9	2029	0.084	0.015	0.679
10	2030	0.088	0.013	0.758
11	2031	0.090	0.009	0.838
12	2032	0.091	-	0.917
13	2033	0.087	-	0.992
14	2034	0.091	-	1.069
15	2035	0.090	-	1.145
16	2036	0.091	-	1.221
17	2037	0.091	-	1.296
18	2038	0.092	-	1.371
19	2039	0.093	-	1.445
20	2040	0.094	-	1.520
21	2041	0.095	-	1.594
22	2042	0.096	-	1.668
23	2043	0.097	-	1.743
24	2044	0.098	-	1.817
25	2045	0.099	-	1.891
26	2046	0.100	-	1.965
27	2047	0.102	-	2.040
2022 2022$				
1	2022	0.082	0.015	0.081
2	2023	0.080	0.018	0.160
3	2024	0.081	0.018	0.239
4	2025	0.083	0.019	0.318
5	2026	0.082	0.018	0.396
6	2027	0.083	0.017	0.474
7	2028	0.083	0.016	0.550

8	2029	0.086	0.015	0.629
9	2030	0.090	0.013	0.710
10	2031	0.092	0.009	0.792
11	2032	0.093	-	0.874
12	2033	0.089	-	0.952
13	2034	0.093	-	1.032
14	2035	0.092	-	1.110
15	2036	0.093	-	1.188
16	2037	0.093	-	1.266
17	2038	0.094	-	1.343
18	2039	0.095	-	1.420
19	2040	0.096	-	1.497
20	2041	0.097	-	1.573
21	2042	0.098	-	1.650
22	2043	0.099	-	1.727
23	2044	0.100	-	1.803
24	2045	0.101	-	1.880
25	2046	0.102	-	1.957
2023	**2023$**			
1	2023	0.081	0.018	0.081
2	2024	0.083	0.018	0.162
3	2025	0.085	0.019	0.244
4	2026	0.084	0.018	0.325
5	2027	0.084	0.017	0.405
6	2028	0.085	0.016	0.484
7	2029	0.088	0.015	0.565
8	2030	0.092	0.013	0.649
9	2031	0.094	0.009	0.734
10	2032	0.094	-	0.818
11	2033	0.091	-	0.898
12	2034	0.095	-	0.981
13	2035	0.094	-	1.062
14	2036	0.094	-	1.142
15	2037	0.095	-	1.223
16	2038	0.096	-	1.302
17	2039	0.097	-	1.382
18	2040	0.098	-	1.461
19	2041	0.099	-	1.540
20	2042	0.100	-	1.620
21	2043	0.101	-	1.699
22	2044	0.102	-	1.778
23	2045	0.103	-	1.857
24	2046	0.105	-	1.936
25	2047	0.106	-	2.015

Years	Retail Energy	Energy DRIPE	Retail Energy

		$/kWh	$/kWh	$/kWh
ANNUAL AVOIDED COSTS				**CUMULATIVE A**
2021	**2021$**			
1	2021	0.062	0.003	0.062
2	2022	0.071	0.007	0.131
3	2023	0.069	0.008	0.198
4	2024	0.070	0.008	0.265
5	2025	0.069	0.008	0.330
6	2026	0.069	0.008	0.394
7	2027	0.069	0.008	0.458
8	2028	0.070	0.007	0.522
9	2029	0.071	0.007	0.587
10	2030	0.075	0.006	0.654
11	2031	0.075	0.004	0.720
12	2032	0.076	-	0.787
13	2033	0.073	-	0.850
14	2034	0.074	-	0.913
15	2035	0.075	-	0.976
16	2036	0.075	-	1.039
17	2037	0.075	-	1.100
18	2038	0.075	-	1.161
19	2039	0.075	-	1.222
20	2040	0.076	-	1.282
21	2041	0.076	-	1.342
22	2042	0.077	-	1.401
23	2043	0.077	-	1.460
24	2044	0.078	-	1.519
25	2045	0.078	-	1.578
26	2046	0.079	-	1.636
27	2047	0.080	-	1.694
2022	**2022$**			
1	2022	0.072	0.007	0.072
2	2023	0.071	0.008	0.141
3	2024	0.071	0.008	0.210
4	2025	0.070	0.008	0.277
5	2026	0.070	0.008	0.343
6	2027	0.071	0.008	0.410
7	2028	0.071	0.007	0.476
8	2029	0.073	0.007	0.542
9	2030	0.077	0.006	0.612
10	2031	0.077	0.004	0.680
11	2032	0.078	-	0.749
12	2033	0.075	-	0.814
13	2034	0.076	-	0.879
14	2035	0.076	-	0.944
15	2036	0.076	-	1.009
16	2037	0.076	-	1.072
17	2038	0.077	-	1.136

18	2039	0.077	-	1.198
19	2040	0.077	-	1.260
20	2041	0.078	-	1.322
21	2042	0.078	-	1.383
22	2043	0.079	-	1.444
23	2044	0.079	-	1.505
24	2045	0.080	-	1.566
25	2046	0.080	-	1.626
2023 2023$				
1	2023	0.072	0.008	0.072
2	2024	0.073	0.008	0.143
3	2025	0.071	0.008	0.212
4	2026	0.072	0.008	0.281
5	2027	0.072	0.008	0.349
6	2028	0.073	0.007	0.418
7	2029	0.074	0.007	0.486
8	2030	0.078	0.006	0.558
9	2031	0.078	0.004	0.629
10	2032	0.079	-	0.699
11	2033	0.076	-	0.767
12	2034	0.077	-	0.834
13	2035	0.078	-	0.901
14	2036	0.078	-	0.968
15	2037	0.078	-	1.033
16	2038	0.078	-	1.099
17	2039	0.079	-	1.163
18	2040	0.079	-	1.227
19	2041	0.079	-	1.291
20	2042	0.080	-	1.354
21	2043	0.080	-	1.417
22	2044	0.081	-	1.480
23	2045	0.081	-	1.543
24	2046	0.082	-	1.605
25	2047	0.083	-	1.667

Other Notes	Line Loss Period	Line Losses
20 / 8760 = 0.23%	Summer Peak	9.0%
20 / 2928 = 0.68%	Summer Peak	9.0%
	Summer Peak	9.0%
	Summer Off-Peak	9.0%
	Summer Off-Peak	9.0%
20 / 5832 = 0.34%	Winter Peak	9.0%
	Winter Off-Peak	9.0%
6	7	1

Top 20 All Hours

Energy DRIPE $/kWh	Key	Year
VOIDED COSTS		
		AESC, AN
0.005	2021-Top 20 All Hours-1	2018
0.012	2021-Top 20 All Hours-2	2019
0.020	2021-Top 20 All Hours-3	2020
0.029	2021-Top 20 All Hours-4	2021
0.039	2021-Top 20 All Hours-5	2022
0.047	2021-Top 20 All Hours-6	2023
0.055	2021-Top 20 All Hours-7	2024
0.063	2021-Top 20 All Hours-8	2025
0.070	2021-Top 20 All Hours-9	2026
0.076	2021-Top 20 All Hours-10	2027
0.080	2021-Top 20 All Hours-11	2028
0.080	2021-Top 20 All Hours-12	2029
0.080	2021-Top 20 All Hours-13	2030
0.080	2021-Top 20 All Hours-14	2031
0.080	2021-Top 20 All Hours-15	2032
0.080	2021-Top 20 All Hours-16	2033
0.080	2021-Top 20 All Hours-17	2034
0.080	2021-Top 20 All Hours-18	2035
0.080	2021-Top 20 All Hours-19	2036
0.080	2021-Top 20 All Hours-20	2037
0.080	2021-Top 20 All Hours-21	2038
0.080	2021-Top 20 All Hours-22	2039
0.080	2021-Top 20 All Hours-23	2040
0.080	2021-Top 20 All Hours-24	2041
0.080	2021-Top 20 All Hours-25	2042
0.080	2021-Top 20 All Hours-26	2043
0.080	2021-Top 20 All Hours-27	2044
		2045
0.007	2022-Top 20 All Hours-1	2046
0.015	2022-Top 20 All Hours-2	2047

0.025	2022-Top 20 All Hours-3
0.034	2022-Top 20 All Hours-4
0.043	2022-Top 20 All Hours-5
0.051	2022-Top 20 All Hours-6
0.058	2022-Top 20 All Hours-7
0.065	2022-Top 20 All Hours-8
0.072	2022-Top 20 All Hours-9
0.076	2022-Top 20 All Hours-10
0.076	2022-Top 20 All Hours-11
0.076	2022-Top 20 All Hours-12
0.076	2022-Top 20 All Hours-13
0.076	2022-Top 20 All Hours-14
0.076	2022-Top 20 All Hours-15
0.076	2022-Top 20 All Hours-16
0.076	2022-Top 20 All Hours-17
0.076	2022-Top 20 All Hours-18
0.076	2022-Top 20 All Hours-19
0.076	2022-Top 20 All Hours-20
0.076	2022-Top 20 All Hours-21
0.076	2022-Top 20 All Hours-22
0.076	2022-Top 20 All Hours-23
0.076	2022-Top 20 All Hours-24
0.076	2022-Top 20 All Hours-25
0.008	2023-Top 20 All Hours-1
0.017	2023-Top 20 All Hours-2
0.027	2023-Top 20 All Hours-3
0.036	2023-Top 20 All Hours-4
0.044	2023-Top 20 All Hours-5
0.051	2023-Top 20 All Hours-6
0.059	2023-Top 20 All Hours-7
0.065	2023-Top 20 All Hours-8
0.069	2023-Top 20 All Hours-9
0.069	2023-Top 20 All Hours-10
0.069	2023-Top 20 All Hours-11
0.069	2023-Top 20 All Hours-12
0.069	2023-Top 20 All Hours-13
0.069	2023-Top 20 All Hours-14
0.069	2023-Top 20 All Hours-15
0.069	2023-Top 20 All Hours-16
0.069	2023-Top 20 All Hours-17
0.069	2023-Top 20 All Hours-18
0.069	2023-Top 20 All Hours-19
0.069	2023-Top 20 All Hours-20
0.069	2023-Top 20 All Hours-21
0.069	2023-Top 20 All Hours-22
0.069	2023-Top 20 All Hours-23
0.069	2023-Top 20 All Hours-24
0.069	2023-Top 20 All Hours-25

2048
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Top 20 Summer Hours

Energy DRIPE $/kWh	Key
VOIDED COSTS	
0.005	2021-Top 20 Summer Hours-1
0.012	2021-Top 20 Summer Hours-2
0.020	2021-Top 20 Summer Hours-3
0.029	2021-Top 20 Summer Hours-4
0.039	2021-Top 20 Summer Hours-5
0.047	2021-Top 20 Summer Hours-6
0.055	2021-Top 20 Summer Hours-7
0.063	2021-Top 20 Summer Hours-8
0.070	2021-Top 20 Summer Hours-9
0.076	2021-Top 20 Summer Hours-10
0.080	2021-Top 20 Summer Hours-11
0.080	2021-Top 20 Summer Hours-12
0.080	2021-Top 20 Summer Hours-13
0.080	2021-Top 20 Summer Hours-14
0.080	2021-Top 20 Summer Hours-15
0.080	2021-Top 20 Summer Hours-16
0.080	2021-Top 20 Summer Hours-17
0.080	2021-Top 20 Summer Hours-18
0.080	2021-Top 20 Summer Hours-19
0.080	2021-Top 20 Summer Hours-20
0.080	2021-Top 20 Summer Hours-21
0.080	2021-Top 20 Summer Hours-22
0.080	2021-Top 20 Summer Hours-23
0.080	2021-Top 20 Summer Hours-24
0.080	2021-Top 20 Summer Hours-25
0.080	2021-Top 20 Summer Hours-26
0.080	2021-Top 20 Summer Hours-27
0.007	2022-Top 20 Summer Hours-1
0.015	2022-Top 20 Summer Hours-2
0.025	2022-Top 20 Summer Hours-3
0.034	2022-Top 20 Summer Hours-4
0.043	2022-Top 20 Summer Hours-5
0.051	2022-Top 20 Summer Hours-6
0.058	2022-Top 20 Summer Hours-7
0.065	2022-Top 20 Summer Hours-8
0.072	2022-Top 20 Summer Hours-9
0.076	2022-Top 20 Summer Hours-10
0.076	2022-Top 20 Summer Hours-11
0.076	2022-Top 20 Summer Hours-12
0.076	2022-Top 20 Summer Hours-13

Year
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0.076	2022-Top 20 Summer Hours-14
0.076	2022-Top 20 Summer Hours-15
0.076	2022-Top 20 Summer Hours-16
0.076	2022-Top 20 Summer Hours-17
0.076	2022-Top 20 Summer Hours-18
0.076	2022-Top 20 Summer Hours-19
0.076	2022-Top 20 Summer Hours-20
0.076	2022-Top 20 Summer Hours-21
0.076	2022-Top 20 Summer Hours-22
0.076	2022-Top 20 Summer Hours-23
0.076	2022-Top 20 Summer Hours-24
0.076	2022-Top 20 Summer Hours-25
0.008	2023-Top 20 Summer Hours-1
0.017	2023-Top 20 Summer Hours-2
0.027	2023-Top 20 Summer Hours-3
0.036	2023-Top 20 Summer Hours-4
0.044	2023-Top 20 Summer Hours-5
0.051	2023-Top 20 Summer Hours-6
0.059	2023-Top 20 Summer Hours-7
0.065	2023-Top 20 Summer Hours-8
0.069	2023-Top 20 Summer Hours-9
0.069	2023-Top 20 Summer Hours-10
0.069	2023-Top 20 Summer Hours-11
0.069	2023-Top 20 Summer Hours-12
0.069	2023-Top 20 Summer Hours-13
0.069	2023-Top 20 Summer Hours-14
0.069	2023-Top 20 Summer Hours-15
0.069	2023-Top 20 Summer Hours-16
0.069	2023-Top 20 Summer Hours-17
0.069	2023-Top 20 Summer Hours-18
0.069	2023-Top 20 Summer Hours-19
0.069	2023-Top 20 Summer Hours-20
0.069	2023-Top 20 Summer Hours-21
0.069	2023-Top 20 Summer Hours-22
0.069	2023-Top 20 Summer Hours-23
0.069	2023-Top 20 Summer Hours-24
0.069	2023-Top 20 Summer Hours-25

Summer Daily Discharge

Energy DRIPE $/kWh	Key	Year
VOIDED COSTS		
		AESC, AN
0.002	2021-Summer Daily Discharge-1	2018
0.004	2021-Summer Daily Discharge-2	2019
0.007	2021-Summer Daily Discharge-3	2020

0.010	2021-Summer Daily Discharge-4
0.013	2021-Summer Daily Discharge-5
0.015	2021-Summer Daily Discharge-6
0.018	2021-Summer Daily Discharge-7
0.021	2021-Summer Daily Discharge-8
0.024	2021-Summer Daily Discharge-9
0.026	2021-Summer Daily Discharge-10
0.027	2021-Summer Daily Discharge-11
0.027	2021-Summer Daily Discharge-12
0.027	2021-Summer Daily Discharge-13
0.027	2021-Summer Daily Discharge-14
0.027	2021-Summer Daily Discharge-15
0.027	2021-Summer Daily Discharge-16
0.027	2021-Summer Daily Discharge-17
0.027	2021-Summer Daily Discharge-18
0.027	2021-Summer Daily Discharge-19
0.027	2021-Summer Daily Discharge-20
0.027	2021-Summer Daily Discharge-21
0.027	2021-Summer Daily Discharge-22
0.027	2021-Summer Daily Discharge-23
0.027	2021-Summer Daily Discharge-24
0.027	2021-Summer Daily Discharge-25
0.027	2021-Summer Daily Discharge-26
0.027	2021-Summer Daily Discharge-27
0.002	2022-Summer Daily Discharge-1
0.005	2022-Summer Daily Discharge-2
0.008	2022-Summer Daily Discharge-3
0.011	2022-Summer Daily Discharge-4
0.014	2022-Summer Daily Discharge-5
0.017	2022-Summer Daily Discharge-6
0.020	2022-Summer Daily Discharge-7
0.022	2022-Summer Daily Discharge-8
0.024	2022-Summer Daily Discharge-9
0.026	2022-Summer Daily Discharge-10
0.026	2022-Summer Daily Discharge-11
0.026	2022-Summer Daily Discharge-12
0.026	2022-Summer Daily Discharge-13
0.026	2022-Summer Daily Discharge-14
0.026	2022-Summer Daily Discharge-15
0.026	2022-Summer Daily Discharge-16
0.026	2022-Summer Daily Discharge-17
0.026	2022-Summer Daily Discharge-18
0.026	2022-Summer Daily Discharge-19
0.026	2022-Summer Daily Discharge-20
0.026	2022-Summer Daily Discharge-21
0.026	2022-Summer Daily Discharge-22
0.026	2022-Summer Daily Discharge-23
0.026	2022-Summer Daily Discharge-24

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0.026	2022-Summer Daily Discharge-25
0.003	2023-Summer Daily Discharge-1
0.006	2023-Summer Daily Discharge-2
0.009	2023-Summer Daily Discharge-3
0.012	2023-Summer Daily Discharge-4
0.015	2023-Summer Daily Discharge-5
0.017	2023-Summer Daily Discharge-6
0.020	2023-Summer Daily Discharge-7
0.022	2023-Summer Daily Discharge-8
0.024	2023-Summer Daily Discharge-9
0.024	2023-Summer Daily Discharge-10
0.024	2023-Summer Daily Discharge-11
0.024	2023-Summer Daily Discharge-12
0.024	2023-Summer Daily Discharge-13
0.024	2023-Summer Daily Discharge-14
0.024	2023-Summer Daily Discharge-15
0.024	2023-Summer Daily Discharge-16
0.024	2023-Summer Daily Discharge-17
0.024	2023-Summer Daily Discharge-18
0.024	2023-Summer Daily Discharge-19
0.024	2023-Summer Daily Discharge-20
0.024	2023-Summer Daily Discharge-21
0.024	2023-Summer Daily Discharge-22
0.024	2023-Summer Daily Discharge-23
0.024	2023-Summer Daily Discharge-24
0.024	2023-Summer Daily Discharge-25

Summer Daily Charge

Energy DRIPE $/kWh	Key	Year
VOIDED COSTS		
		AESC, AN
0.001	2021-Summer Daily Charge-1	2018
0.002	2021-Summer Daily Charge-2	2019
0.004	2021-Summer Daily Charge-3	2020
0.006	2021-Summer Daily Charge-4	2021
0.008	2021-Summer Daily Charge-5	2022
0.009	2021-Summer Daily Charge-6	2023
0.011	2021-Summer Daily Charge-7	2024
0.013	2021-Summer Daily Charge-8	2025
0.014	2021-Summer Daily Charge-9	2026
0.015	2021-Summer Daily Charge-10	2027
0.016	2021-Summer Daily Charge-11	2028
0.016	2021-Summer Daily Charge-12	2029
0.016	2021-Summer Daily Charge-13	2030
0.016	2021-Summer Daily Charge-14	2031

0.016	2021-Summer Daily Charge-15	2032
0.016	2021-Summer Daily Charge-16	2033
0.016	2021-Summer Daily Charge-17	2034
0.016	2021-Summer Daily Charge-18	2035
0.016	2021-Summer Daily Charge-19	2036
0.016	2021-Summer Daily Charge-20	2037
0.016	2021-Summer Daily Charge-21	2038
0.016	2021-Summer Daily Charge-22	2039
0.016	2021-Summer Daily Charge-23	2040
0.016	2021-Summer Daily Charge-24	2041
0.016	2021-Summer Daily Charge-25	2042
0.016	2021-Summer Daily Charge-26	2043
0.016	2021-Summer Daily Charge-27	2044
		2045
0.001	2022-Summer Daily Charge-1	2046
0.003	2022-Summer Daily Charge-2	2047
0.005	2022-Summer Daily Charge-3	2048
0.007	2022-Summer Daily Charge-4	2049
0.008	2022-Summer Daily Charge-5	2050
0.010	2022-Summer Daily Charge-6	
0.012	2022-Summer Daily Charge-7	
0.013	2022-Summer Daily Charge-8	
0.014	2022-Summer Daily Charge-9	
0.015	2022-Summer Daily Charge-10	
0.015	2022-Summer Daily Charge-11	
0.015	2022-Summer Daily Charge-12	
0.015	2022-Summer Daily Charge-13	
0.015	2022-Summer Daily Charge-14	
0.015	2022-Summer Daily Charge-15	
0.015	2022-Summer Daily Charge-16	
0.015	2022-Summer Daily Charge-17	
0.015	2022-Summer Daily Charge-18	
0.015	2022-Summer Daily Charge-19	
0.015	2022-Summer Daily Charge-20	
0.015	2022-Summer Daily Charge-21	
0.015	2022-Summer Daily Charge-22	
0.015	2022-Summer Daily Charge-23	
0.015	2022-Summer Daily Charge-24	
0.015	2022-Summer Daily Charge-25	
0.002	2023-Summer Daily Charge-1	
0.003	2023-Summer Daily Charge-2	
0.005	2023-Summer Daily Charge-3	
0.007	2023-Summer Daily Charge-4	
0.009	2023-Summer Daily Charge-5	
0.010	2023-Summer Daily Charge-6	
0.012	2023-Summer Daily Charge-7	
0.013	2023-Summer Daily Charge-8	

0.014	2023-Summer Daily Charge-9
0.014	2023-Summer Daily Charge-10
0.014	2023-Summer Daily Charge-11
0.014	2023-Summer Daily Charge-12
0.014	2023-Summer Daily Charge-13
0.014	2023-Summer Daily Charge-14
0.014	2023-Summer Daily Charge-15
0.014	2023-Summer Daily Charge-16
0.014	2023-Summer Daily Charge-17
0.014	2023-Summer Daily Charge-18
0.014	2023-Summer Daily Charge-19
0.014	2023-Summer Daily Charge-20
0.014	2023-Summer Daily Charge-21
0.014	2023-Summer Daily Charge-22
0.014	2023-Summer Daily Charge-23
0.014	2023-Summer Daily Charge-24
0.014	2023-Summer Daily Charge-25

Summer Targeted Charge

Energy DRIPE $/kWh	Key	Year
VOIDED COSTS		
		AESC, AN
0.001	2021-Summer Targeted Charge-1	2018
0.003	2021-Summer Targeted Charge-2	2019
0.005	2021-Summer Targeted Charge-3	2020
0.007	2021-Summer Targeted Charge-4	2021
0.009	2021-Summer Targeted Charge-5	2022
0.012	2021-Summer Targeted Charge-6	2023
0.014	2021-Summer Targeted Charge-7	2024
0.016	2021-Summer Targeted Charge-8	2025
0.018	2021-Summer Targeted Charge-9	2026
0.019	2021-Summer Targeted Charge-10	2027
0.020	2021-Summer Targeted Charge-11	2028
0.020	2021-Summer Targeted Charge-12	2029
0.020	2021-Summer Targeted Charge-13	2030
0.020	2021-Summer Targeted Charge-14	2031
0.020	2021-Summer Targeted Charge-15	2032
0.020	2021-Summer Targeted Charge-16	2033
0.020	2021-Summer Targeted Charge-17	2034
0.020	2021-Summer Targeted Charge-18	2035
0.020	2021-Summer Targeted Charge-19	2036
0.020	2021-Summer Targeted Charge-20	2037
0.020	2021-Summer Targeted Charge-21	2038
0.020	2021-Summer Targeted Charge-22	2039
0.020	2021-Summer Targeted Charge-23	2040
0.020	2021-Summer Targeted Charge-24	2041
0.020	2021-Summer Targeted Charge-25	2042

0.020	2021-Summer Targeted Charge-26
0.020	2021-Summer Targeted Charge-27
0.002	2022-Summer Targeted Charge-1
0.004	2022-Summer Targeted Charge-2
0.006	2022-Summer Targeted Charge-3
0.008	2022-Summer Targeted Charge-4
0.010	2022-Summer Targeted Charge-5
0.013	2022-Summer Targeted Charge-6
0.015	2022-Summer Targeted Charge-7
0.017	2022-Summer Targeted Charge-8
0.018	2022-Summer Targeted Charge-9
0.019	2022-Summer Targeted Charge-10
0.019	2022-Summer Targeted Charge-11
0.019	2022-Summer Targeted Charge-12
0.019	2022-Summer Targeted Charge-13
0.019	2022-Summer Targeted Charge-14
0.019	2022-Summer Targeted Charge-15
0.019	2022-Summer Targeted Charge-16
0.019	2022-Summer Targeted Charge-17
0.019	2022-Summer Targeted Charge-18
0.019	2022-Summer Targeted Charge-19
0.019	2022-Summer Targeted Charge-20
0.019	2022-Summer Targeted Charge-21
0.019	2022-Summer Targeted Charge-22
0.019	2022-Summer Targeted Charge-23
0.019	2022-Summer Targeted Charge-24
0.019	2022-Summer Targeted Charge-25
0.002	2023-Summer Targeted Charge-1
0.004	2023-Summer Targeted Charge-2
0.007	2023-Summer Targeted Charge-3
0.009	2023-Summer Targeted Charge-4
0.011	2023-Summer Targeted Charge-5
0.013	2023-Summer Targeted Charge-6
0.015	2023-Summer Targeted Charge-7
0.017	2023-Summer Targeted Charge-8
0.018	2023-Summer Targeted Charge-9
0.018	2023-Summer Targeted Charge-10
0.018	2023-Summer Targeted Charge-11
0.018	2023-Summer Targeted Charge-12
0.018	2023-Summer Targeted Charge-13
0.018	2023-Summer Targeted Charge-14
0.018	2023-Summer Targeted Charge-15
0.018	2023-Summer Targeted Charge-16
0.018	2023-Summer Targeted Charge-17
0.018	2023-Summer Targeted Charge-18
0.018	2023-Summer Targeted Charge-19

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0.018	2023-Summer Targeted Charge-20
0.018	2023-Summer Targeted Charge-21
0.018	2023-Summer Targeted Charge-22
0.018	2023-Summer Targeted Charge-23
0.018	2023-Summer Targeted Charge-24
0.018	2023-Summer Targeted Charge-25

Top 20 Winter Hours

Energy DRIPE $/kWh	Key
VOIDED COSTS	
0.008	2021-Top 20 Winter Hours-1
0.022	2021-Top 20 Winter Hours-2
0.039	2021-Top 20 Winter Hours-3
0.057	2021-Top 20 Winter Hours-4
0.074	2021-Top 20 Winter Hours-5
0.091	2021-Top 20 Winter Hours-6
0.107	2021-Top 20 Winter Hours-7
0.122	2021-Top 20 Winter Hours-8
0.135	2021-Top 20 Winter Hours-9
0.147	2021-Top 20 Winter Hours-10
0.155	2021-Top 20 Winter Hours-11
0.155	2021-Top 20 Winter Hours-12
0.155	2021-Top 20 Winter Hours-13
0.155	2021-Top 20 Winter Hours-14
0.155	2021-Top 20 Winter Hours-15
0.155	2021-Top 20 Winter Hours-16
0.155	2021-Top 20 Winter Hours-17
0.155	2021-Top 20 Winter Hours-18
0.155	2021-Top 20 Winter Hours-19
0.155	2021-Top 20 Winter Hours-20
0.155	2021-Top 20 Winter Hours-21
0.155	2021-Top 20 Winter Hours-22
0.155	2021-Top 20 Winter Hours-23
0.155	2021-Top 20 Winter Hours-24
0.155	2021-Top 20 Winter Hours-25
0.155	2021-Top 20 Winter Hours-26
0.155	2021-Top 20 Winter Hours-27
0.015	2022-Top 20 Winter Hours-1
0.032	2022-Top 20 Winter Hours-2
0.050	2022-Top 20 Winter Hours-3
0.068	2022-Top 20 Winter Hours-4
0.084	2022-Top 20 Winter Hours-5
0.100	2022-Top 20 Winter Hours-6
0.116	2022-Top 20 Winter Hours-7

Year
AESC, AN
2018
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0.129	2022-Top 20 Winter Hours-8
0.141	2022-Top 20 Winter Hours-9
0.149	2022-Top 20 Winter Hours-10
0.149	2022-Top 20 Winter Hours-11
0.149	2022-Top 20 Winter Hours-12
0.149	2022-Top 20 Winter Hours-13
0.149	2022-Top 20 Winter Hours-14
0.149	2022-Top 20 Winter Hours-15
0.149	2022-Top 20 Winter Hours-16
0.149	2022-Top 20 Winter Hours-17
0.149	2022-Top 20 Winter Hours-18
0.149	2022-Top 20 Winter Hours-19
0.149	2022-Top 20 Winter Hours-20
0.149	2022-Top 20 Winter Hours-21
0.149	2022-Top 20 Winter Hours-22
0.149	2022-Top 20 Winter Hours-23
0.149	2022-Top 20 Winter Hours-24
0.149	2022-Top 20 Winter Hours-25
0.017	2023-Top 20 Winter Hours-1
0.035	2023-Top 20 Winter Hours-2
0.053	2023-Top 20 Winter Hours-3
0.071	2023-Top 20 Winter Hours-4
0.087	2023-Top 20 Winter Hours-5
0.102	2023-Top 20 Winter Hours-6
0.116	2023-Top 20 Winter Hours-7
0.128	2023-Top 20 Winter Hours-8
0.136	2023-Top 20 Winter Hours-9
0.136	2023-Top 20 Winter Hours-10
0.136	2023-Top 20 Winter Hours-11
0.136	2023-Top 20 Winter Hours-12
0.136	2023-Top 20 Winter Hours-13
0.136	2023-Top 20 Winter Hours-14
0.136	2023-Top 20 Winter Hours-15
0.136	2023-Top 20 Winter Hours-16
0.136	2023-Top 20 Winter Hours-17
0.136	2023-Top 20 Winter Hours-18
0.136	2023-Top 20 Winter Hours-19
0.136	2023-Top 20 Winter Hours-20
0.136	2023-Top 20 Winter Hours-21
0.136	2023-Top 20 Winter Hours-22
0.136	2023-Top 20 Winter Hours-23
0.136	2023-Top 20 Winter Hours-24
0.136	2023-Top 20 Winter Hours-25

Winter Targeted Charge

Energy DRIPE	Key		Year

$/kWh	
VOIDED COSTS	
0.003	2021-Winter Targeted Charge-1
0.010	2021-Winter Targeted Charge-2
0.017	2021-Winter Targeted Charge-3
0.025	2021-Winter Targeted Charge-4
0.033	2021-Winter Targeted Charge-5
0.040	2021-Winter Targeted Charge-6
0.048	2021-Winter Targeted Charge-7
0.054	2021-Winter Targeted Charge-8
0.060	2021-Winter Targeted Charge-9
0.066	2021-Winter Targeted Charge-10
0.069	2021-Winter Targeted Charge-11
0.069	2021-Winter Targeted Charge-12
0.069	2021-Winter Targeted Charge-13
0.069	2021-Winter Targeted Charge-14
0.069	2021-Winter Targeted Charge-15
0.069	2021-Winter Targeted Charge-16
0.069	2021-Winter Targeted Charge-17
0.069	2021-Winter Targeted Charge-18
0.069	2021-Winter Targeted Charge-19
0.069	2021-Winter Targeted Charge-20
0.069	2021-Winter Targeted Charge-21
0.069	2021-Winter Targeted Charge-22
0.069	2021-Winter Targeted Charge-23
0.069	2021-Winter Targeted Charge-24
0.069	2021-Winter Targeted Charge-25
0.069	2021-Winter Targeted Charge-26
0.069	2021-Winter Targeted Charge-27
0.007	2022-Winter Targeted Charge-1
0.014	2022-Winter Targeted Charge-2
0.022	2022-Winter Targeted Charge-3
0.030	2022-Winter Targeted Charge-4
0.038	2022-Winter Targeted Charge-5
0.045	2022-Winter Targeted Charge-6
0.052	2022-Winter Targeted Charge-7
0.058	2022-Winter Targeted Charge-8
0.063	2022-Winter Targeted Charge-9
0.067	2022-Winter Targeted Charge-10
0.067	2022-Winter Targeted Charge-11
0.067	2022-Winter Targeted Charge-12
0.067	2022-Winter Targeted Charge-13
0.067	2022-Winter Targeted Charge-14
0.067	2022-Winter Targeted Charge-15
0.067	2022-Winter Targeted Charge-16
0.067	2022-Winter Targeted Charge-17

Year
AESC, AN
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2038
2039
2040
2041
2042
2043
2044
2045
2046
2047
2048
2049
2050

0.067	2022-Winter Targeted Charge-18
0.067	2022-Winter Targeted Charge-19
0.067	2022-Winter Targeted Charge-20
0.067	2022-Winter Targeted Charge-21
0.067	2022-Winter Targeted Charge-22
0.067	2022-Winter Targeted Charge-23
0.067	2022-Winter Targeted Charge-24
0.067	2022-Winter Targeted Charge-25
0.008	2023-Winter Targeted Charge-1
0.016	2023-Winter Targeted Charge-2
0.024	2023-Winter Targeted Charge-3
0.031	2023-Winter Targeted Charge-4
0.039	2023-Winter Targeted Charge-5
0.046	2023-Winter Targeted Charge-6
0.052	2023-Winter Targeted Charge-7
0.057	2023-Winter Targeted Charge-8
0.061	2023-Winter Targeted Charge-9
0.061	2023-Winter Targeted Charge-10
0.061	2023-Winter Targeted Charge-11
0.061	2023-Winter Targeted Charge-12
0.061	2023-Winter Targeted Charge-13
0.061	2023-Winter Targeted Charge-14
0.061	2023-Winter Targeted Charge-15
0.061	2023-Winter Targeted Charge-16
0.061	2023-Winter Targeted Charge-17
0.061	2023-Winter Targeted Charge-18
0.061	2023-Winter Targeted Charge-19
0.061	2023-Winter Targeted Charge-20
0.061	2023-Winter Targeted Charge-21
0.061	2023-Winter Targeted Charge-22
0.061	2023-Winter Targeted Charge-23
0.061	2023-Winter Targeted Charge-24
0.061	2023-Winter Targeted Charge-25

NEW

Update the orange cells with AESC User Interface values consistent with Strategy

2	3	4	5
Retail Energy Costs	**Wholesale Energy Costs**	**t ZoZ DRIPE: 2021 vinta**	**Net ZoZ DRIPE: 2019 vintage**
Other Costing Period	**Other Costing Period**	**Other Costing Period**	**Other Costing Period**
$/kWh	*$/kWh*	*$/kWh*	*$/kWh*
NUAL AVOIDED COSTS, 2021$			
0.0000			
0.0000			
0.0000			
0.0513	0.0359	0.005	
0.0482	0.0337	0.007	
0.0438	0.0296	0.008	
0.0489	0.0365	0.010	
0.0478	0.0374	0.010	
0.0458	0.0359	0.009	
0.0466	0.0371	0.009	
0.0463	0.0372	0.008	
0.0493	0.0403	0.008	
0.0540	0.0419	0.007	
0.0559	0.0439	0.005	
0.0558	0.0440	-	
0.0554	0.0467	-	
0.0588	0.0497	-	
0.0626	0.0531	-	
0.0647	0.0557	-	
0.0670	0.0584	-	
0.0695	0.0612	-	
0.0723	0.0641	-	
0.0752	0.0672	-	
0.0784	0.0705	-	
0.0818	0.0739	-	
0.0854	0.0774	-	
0.0892	0.0812	-	
0.0932	0.0851	-	
0.0975	0.0892	-	
0.1020	0.0935	-	

0.1067	0.0980	-	
0.1117	0.1027	-	
0.1169	0.1077	-	

Retail Energy Costs	Wholesale Energy Costs	t ZoZ DRIPE: 2021 vinta	Net ZoZ DRIPE: 2019 vintage
Other Costing Period	Other Costing Period	Other Costing Period	Other Costing Period
$/kWh	*$/kWh*	*$/kWh*	*$/kWh*
NUAL AVOIDED COSTS, 2021$			
0.0000			
0.0000			
0.0000			
0.0513	0.0359	0.005	
0.0482	0.0337	0.007	
0.0438	0.0296	0.008	
0.0489	0.0365	0.010	
0.0478	0.0374	0.010	
0.0458	0.0359	0.009	
0.0466	0.0371	0.009	
0.0463	0.0372	0.008	
0.0493	0.0403	0.008	
0.0540	0.0419	0.007	
0.0559	0.0439	0.005	
0.0558	0.0440	-	
0.0554	0.0467	-	
0.0588	0.0497	-	
0.0626	0.0531	-	
0.0647	0.0557	-	
0.0670	0.0584	-	
0.0695	0.0612	-	
0.0723	0.0641	-	
0.0752	0.0672	-	
0.0784	0.0705	-	
0.0818	0.0739	-	
0.0854	0.0774	-	
0.0892	0.0812	-	
0.0932	0.0851	-	
0.0975	0.0892	-	
0.1020	0.0935	-	
0.1067	0.0980	-	
0.1117	0.1027	-	
0.1169	0.1077	-	

Retail Energy Costs Other Costing Period *$/kWh*	Wholesale Energy Costs	t ZoZ DRIPE: 2021 vinta Other Costing Period *$/kWh*	Net ZoZ DRIPE: 2019 vintage Other Costing Period *$/kWh*
INUAL AVOIDED COSTS, 2021$			
0.0000 0.0000 0.0000			

0.0465	0.0313	0.002	-
0.0433	0.0292	0.002	-
0.0415	0.0275	0.003	-
0.0429	0.0310	0.003	-
0.0418	0.0318	0.003	-
0.0422	0.0326	0.003	-
0.0428	0.0336	0.003	-
0.0435	0.0346	0.003	-
0.0449	0.0362	0.003	-
0.0482	0.0365	0.002	-
0.0491	0.0376	0.002	-
0.0512	0.0397	-	-
0.0485	0.0403	-	-
0.0488	0.0405	-	-
0.0504	0.0418	-	-
0.0509	0.0429	-	-
0.0515	0.0440	-	-
0.0523	0.0452	-	-
0.0531	0.0464	-	-
0.0540	0.0476	-	-
0.0550	0.0489	-	-
0.0561	0.0501	-	-
0.0573	0.0515	-	-
0.0586	0.0528	-	-
0.0599	0.0542	-	-
0.0612	0.0556	-	-
0.0627	0.0571	-	-
0.0642	0.0586	-	-
0.0657	0.0602	-	-
0.0674	0.0618	-	-

Retail Energy Costs Other Costing Period *$/kWh*	Wholesale Energy Costs Other Costing Period *$/kWh*	t ZoZ DRIPE: 2021 vinta Other Costing Period *$/kWh*	Net ZoZ DRIPE: 2019 vintage Other Costing Period *$/kWh*
NUAL AVOIDED COSTS, 2021$			
0.0000			
0.0000			
0.0000			
0.0400	0.0253	0.001	-
0.0371	0.0234	0.001	-
0.0359	0.0224	0.002	-
0.0365	0.0250	0.002	-
0.0351	0.0256	0.002	-
0.0352	0.0261	0.002	-
0.0355	0.0268	0.002	-
0.0358	0.0275	0.002	-
0.0364	0.0283	0.002	-
0.0401	0.0290	0.001	-
0.0404	0.0295	0.001	-

0.0408	0.0301	-	-
0.0383	0.0309	-	-
0.0388	0.0313	-	-
0.0397	0.0319	-	-
0.0397	0.0325	-	-
0.0398	0.0332	-	-
0.0400	0.0338	-	-
0.0403	0.0345	-	-
0.0406	0.0352	-	-
0.0410	0.0359	-	-
0.0415	0.0366	-	-
0.0420	0.0373	-	-
0.0426	0.0380	-	-
0.0432	0.0388	-	-
0.0438	0.0395	-	-
0.0445	0.0403	-	-
0.0453	0.0411	-	-
0.0460	0.0419	-	-
0.0468	0.0427	-	-

Retail Energy Costs Other Costing Period *$/kWh*	Wholesale Energy Costs Other Costing Period *$/kWh*	t ZoZ DRIPE: 2021 vinta Other Costing Period *$/kWh*	Net ZoZ DRIPE: 2019 vintage Other Costing Period *$/kWh*
NUAL AVOIDED COSTS, 2021$			
0.0000			
0.0000			
0.0000			
0.0414	0.0267	0.001	-
0.0390	0.0252	0.002	-
0.0373	0.0236	0.002	-
0.0387	0.0271	0.002	-
0.0376	0.0279	0.002	-
0.0378	0.0285	0.002	-
0.0381	0.0292	0.002	-
0.0391	0.0306	0.002	-
0.0402	0.0319	0.002	-
0.0436	0.0322	0.002	-
0.0441	0.0330	0.001	-
0.0445	0.0335	-	-
0.0419	0.0342	-	-
0.0429	0.0350	-	-
0.0433	0.0352	-	-
0.0433	0.0359	-	-
0.0435	0.0366	-	-
0.0437	0.0372	-	-
0.0440	0.0379	-	-
0.0444	0.0387	-	-
0.0448	0.0394	-	-
0.0453	0.0401	-	-

0.0459	0.0409	-	-
0.0465	0.0416	-	-
0.0471	0.0424	-	-
0.0478	0.0432	-	-
0.0486	0.0440	-	-
0.0493	0.0449	-	-
0.0501	0.0457	-	-
0.0510	0.0466	-	-

Retail Energy Costs Other Costing Period *$/kWh*	Wholesale Energy Costs Other Costing Period *$/kWh*	t ZoZ DRIPE: 2021 vinta Other Costing Period *$/kWh*	Net ZoZ DRIPE: 2019 vintage Other Costing Period *$/kWh*
NUAL AVOIDED COSTS, 2021$			
0.0000			
0.0000			
0.0000			
0.0706	0.0537	0.008	
0.0803	0.0635	0.015	
0.0782	0.0615	0.018	
0.0795	0.0648	0.018	
0.0812	0.0683	0.019	
0.0808	0.0684	0.018	
0.0810	0.0689	0.017	
0.0813	0.0697	0.016	
0.0842	0.0726	0.015	
0.0880	0.0734	0.013	
0.0900	0.0755	0.009	
0.0907	0.0763	-	
0.0871	0.0761	-	
0.0909	0.0794	-	
0.0902	0.0786	-	
0.0907	0.0798	-	
0.0913	0.0809	-	
0.0921	0.0821	-	
0.0929	0.0832	-	
0.0938	0.0844	-	
0.0948	0.0856	-	
0.0958	0.0869	-	
0.0969	0.0881	-	
0.0980	0.0894	-	
0.0992	0.0906	-	
0.1004	0.0919	-	
0.1017	0.0933	-	
0.1030	0.0946	-	
0.1044	0.0959	-	
0.1058	0.0973	-	

Retail Energy Costs	Wholesale Energy Costs	t ZoZ DRIPE: 2021 vinta	Net ZoZ DRIPE: 2019 vintage

Other Costing Period	Other Costing Period	Other Costing Period	Other Costing Period
$/kWh	*$/kWh*	*$/kWh*	*$/kWh*
NUAL AVOIDED COSTS, 2021$			
0.0000			
0.0000			
0.0000			
0.0619	0.0456	0.003	-
0.0705	0.0544	0.007	-
0.0691	0.0531	0.008	-
0.0697	0.0557	0.008	-
0.0685	0.0565	0.008	-
0.0688	0.0572	0.008	-
0.0694	0.0582	0.008	-
0.0700	0.0591	0.007	-
0.0712	0.0606	0.007	-
0.0751	0.0614	0.006	-
0.0753	0.0619	0.004	-
0.0760	0.0627	-	-
0.0733	0.0633	-	-
0.0742	0.0640	-	-
0.0748	0.0644	-	-
0.0748	0.0651	-	-
0.0750	0.0657	-	-
0.0752	0.0664	-	-
0.0755	0.0671	-	-
0.0758	0.0678	-	-
0.0762	0.0684	-	-
0.0767	0.0691	-	-
0.0772	0.0698	-	-
0.0777	0.0705	-	-
0.0783	0.0713	-	-
0.0789	0.0720	-	-
0.0795	0.0727	-	-
0.0802	0.0734	-	-
0.0809	0.0742	-	-
0.0816	0.0749	-	-

6

Avoided REC Costs to Load CALCULATE
0.0000
0.0000
0.0000
0.0117
0.0109
0.0109
0.0088
0.0069
0.0065
0.0061
0.0056
0.0054
0.0081
0.0079
0.0077
0.0046
0.0047
0.0048
0.0042
0.0037
0.0032
0.0028
0.0024
0.0021
0.0018
0.0016
0.0014
0.0012
0.0011
0.0009

0.0008
0.0007
0.0006

Avoided REC Costs to Load CALCULATE
0.0000
0.0000
0.0000
0.0117
0.0109
0.0109
0.0088
0.0069
0.0065
0.0061
0.0056
0.0054
0.0081
0.0079
0.0077
0.0046
0.0047
0.0048
0.0042
0.0037
0.0032
0.0028
0.0024
0.0021
0.0018
0.0016
0.0014
0.0012
0.0011
0.0009
0.0008
0.0007
0.0006

Avoided REC Costs to Load CALCULATE
0.0000
0.0000
0.0000

0.0117
0.0109
0.0109
0.0088
0.0069
0.0065
0.0061
0.0056
0.0054
0.0081
0.0079
0.0077
0.0046
0.0047
0.0048
0.0042
0.0037
0.0032
0.0028
0.0024
0.0021
0.0018
0.0016
0.0014
0.0012
0.0011
0.0009
0.0008
0.0007
0.0006

Avoided REC Costs to Load CALCULATE
0.0000
0.0000
0.0000
0.0117
0.0109
0.0109
0.0088
0.0069
0.0065
0.0061
0.0056
0.0054
0.0081
0.0079

0.0077
0.0046
0.0047
0.0048
0.0042
0.0037
0.0032
0.0028
0.0024
0.0021
0.0018
0.0016
0.0014
0.0012
0.0011
0.0009
0.0008
0.0007
0.0006

Avoided REC Costs to Load CALCULATE	
0.0000	
0.0000	
0.0000	
0.0117	7/2/2021
0.0109	7/22/2021
0.0109	8/12/2021
0.0088	8/13/2021
0.0069	8/14/2021
0.0065	8/15/2021
0.0061	
0.0056	
0.0054	
0.0081	
0.0079	
0.0077	
0.0046	
0.0047	
0.0048	
0.0042	
0.0037	
0.0032	
0.0028	
0.0024	
0.0021	
0.0018	

0.0016
0.0014
0.0012
0.0011
0.0009
0.0008
0.0007
0.0006

Avoided REC Costs to Load CALCULATE
0.0000
0.0000
0.0000
0.0117
0.0109
0.0109
0.0088
0.0069
0.0065
0.0061
0.0056
0.0054
0.0081
0.0079
0.0077
0.0046
0.0047
0.0048
0.0042
0.0037
0.0032
0.0028
0.0024
0.0021
0.0018
0.0016
0.0014
0.0012
0.0011
0.0009
0.0008
0.0007
0.0006

Avoided REC Costs to

Load CALCULATED	
0.0000	
0.0000	
0.0000	
0.0117	1/2/2021
0.0109	1/3/2021
0.0109	1/7/2021
0.0088	1/8/2021
0.0069	1/31/2021
0.0065	12/2/2021
0.0061	12/4/2021
0.0056	12/8/2021
0.0054	12/9/2021
0.0081	12/16/2021
0.0079	
0.0077	
0.0046	
0.0047	
0.0048	
0.0042	
0.0037	
0.0032	
0.0028	
0.0024	
0.0021	
0.0018	
0.0016	
0.0014	
0.0012	
0.0011	
0.0009	
0.0008	
0.0007	
0.0006	

Program Cost-Effectiveness

2022	Benefit/Cost Ratio Granite State Test	Benefit ($000) Granite State Test	Utility Costs ($000 - 2022$)[1]	Customer Costs ($000 - 2022$)[1]	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served
Residential Programs									
A5 - Residential Active Demand Response	1.64	103.5	63.2	-	-	-	-	571.2	816
Sub-Total Residential	**1.64**	**103.5**	**63.2**	**-**	**-**	**-**	**-**	**571.2**	**816**
Commercial, Industrial & Municipal									
C5 - C&I Active Demand Response	3.93	543.8	138.3	-	-	-	-	3,000.0	15
Sub-Total Commercial & Industrial	**3.93**	**543.8**	**138.3**	**-**	**-**	**-**	**-**	**3,000.0**	**15**
Total	**3.21**	**647.4**	**201.5**	**-**	**-**	**-**	**-**	**3,571.2**	**831**

(1) Utility and Customer Costs in 2022 Dollars.

2023	Benefit/Cost Ratio Granite State Test	Benefit ($000) Granite State Test	Utility Costs ($000 - 2022$)[1]	Customer Costs ($000 - 2022$)[1]	Annual MWh Savings	Lifetime MWh Savings	Winter kW Savings	Summer kW Savings	Number of Customers Served
Residential Programs									
A5 - Residential Active Demand Response	1.68	105.8	63.1	-	-	-	-	571.2	816
Sub-Total Residential	**1.68**	**105.8**	**63.1**	**-**	**-**	**-**	**-**	**571.2**	**816**
Commercial, Industrial & Municipal									
C5 - C&I Active Demand Response	4.30	666.7	154.9	-	-	-	-	3,600.0	15
Sub-Total Commercial & Industrial	**4.30**	**666.7**	**154.9**	**-**	**-**	**-**	**-**	**3,600.0**	**15**
Total	**3.54**	**772.5**	**218.0**	**-**	**-**	**-**	**-**	**4,171.2**	**831**

(1) Utility and Customer Costs in 2022 Dollars and will not equal the nominal costs presented in the Costs tab.

Present Value Benefits

	Total Benefits ($000)	Resource Benefits ($000)											Non-Resource Benefits ($000)		
		Electric							Non-Electric						
		CAPACITY													
	Granite State Test	Summer Generation	Winter Generation	Transmission	Distribution	ENERGY	Electric DRIPE	Total Electric Benefit	Other Fuels	Water Benefit	Total Resource Benefits	Fossil Emissions	Other Non-Resource Benefits	Total Non-Resource Benefits
2022														
Residential Programs														
A5 - Residential Active Demand Response	$ 104	$ 3	$ -	$ 49	$ 50	$ -	$ 1	$ 104	$ -	$ -	$ 104	$ -	$ -	$ -
Sub-Total Residential	**$ 104**	**$ 3**	**$ -**	**$ 49**	**$ 50**	**$ -**	**$ 1**	**$ 104**	**$ -**	**$ -**	**$ 104**	**$ -**	**$ -**	**$ -**
Commercial/Industrial Programs														
C5 - C&I Active Demand Response	$ 544	$ 17	$ -	$ 256	$ 264	$ -	$ 8	$ 544	$ -	$ -	$ 544	$ -	$ -	$ -
Sub-Total Commercial & Industrial	**$ 544**	**$ 17**	**$ -**	**$ 256**	**$ 264**	**$ -**	**$ 8**	**$ 544**	**$ -**	**$ -**	**$ 544**	**$ -**	**$ -**	**$ -**
Total	**$ 647**	**$ 20**	**$ -**	**$ 304**	**$ 314**	**$ -**	**$ 9**	**$ 647**	**$ -**	**$ -**	**$ 647**	**$ -**	**$ -**	**$ -**
2023														
Residential Programs														
A5 - Residential Active Demand Response	$ 106	$ 3	$ -	$ 50	$ 51	$ -	$ 1	$ 106	$ -	$ -	$ 106	$ -	$ -	$ -
Sub-Total Residential	**$ 106**	**$ 3**	**$ -**	**$ 50**	**$ 51**	**$ -**	**$ 1**	**$ 106**	**$ -**	**$ -**	**$ 106**	**$ -**	**$ -**	**$ -**
Commercial/Industrial Programs														
C5 - C&I Active Demand Response	$ 667	$ 21	$ -	$ 313	$ 323	$ -	$ 9	$ 667	$ -	$ -	$ 667	$ -	$ -	$ -
Sub-Total Commercial & Industrial	**$ 667**	**$ 21**	**$ -**	**$ 313**	**$ 323**	**$ -**	**$ 9**	**$ 667**	**$ -**	**$ -**	**$ 667**	**$ -**	**$ -**	**$ -**
Total	**$ 772**	**$ 25**	**$ -**	**$ 363**	**$ 374**	**$ -**	**$ 11**	**$ 772**	**$ -**	**$ -**	**$ 772**	**$ -**	**$ -**	**$ -**