Liberty Utilities (EnergyNorth) Index to Revenue Requirement Schedules Test Year Ended December 31, 2019

Index to Revenue Requirement Schedules Index to Revenue Requirement Schedules Index to Revenue Requirement Schedule RR-Summary Schedule RR-Summary Revenue Deficiency and Revenue Requirement Schedule RR-IN-2 Schedule RR-IN-2 Schedule RR-IN-2 Schedule RR-IN-2 Schedule RR-IN-2 Schedule RR-IN-2 Summary of Adjustments Schedule RR-IN-3 Schedule RR-	Line	Title	Reference
Index to Revenue Requirement Schedules Index Schedule RR-Summary	1	Summary Schedules	_
Rebuttal Revenue Impact Summary Revenue Deficiency and Revenue Requirement Checkedule RR-1 Coperating Income Statement - EnergyNorth Coperating Income Statement - Detail - EnergyNorth Schedule RR-EN-2-1 Coperating Income Statement - Detail - EnergyNorth Schedule RR-EN-2-1 Coperating Income Statement - Detail - EnergyNorth Schedule RR-EN-3-1 Coperating Income Statement - Detail - EnergyNorth Schedule RR-EN-3-2 Coperating Income Statement - Detail - EnergyNorth Schedule RR-EN-3-3 Coperating Income Statement - Detail - EnergyNorth Adjustment - EnergyNorth Schedule RR-EN-3-1 Coperating Income Statement - Detail - EnergyNorth Adjustment 1 - Revenue Adjustments Schedule RR-EN-3-1 Coperating Income Statement - Schedule RR-EN-3-1 Coperating Income Statement - Schedule RR-EN-3-2 Coperating Income Statement - Detail - EnergyNorth Coperating Income Schedule RR-EN-3-8 Coperating Income Schedule RR-EN-3-8 Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at Current Rates Coperating Income Tax Expense - Pro Forma Test Year at	2		Index
Revenue Deficiency and Revenue Requirement Operating Income Statement - EnergyNorth Schedule RR-EN-2-1 Summary of Adjustments Adjustments - EnergyNorth Adjustment 1 - Revenue Adjustments Schedule RR-EN-3-1 Adjustment 2 - Salary and Wage Expense Adjustment 3 - Payroll Tax Expense Adjustment 5 - Depreciation Expense Adjustment 5 - Depreciation Expense Adjustment 6 - Amortization Expense Adjustment 7 - Property Tax Adjustment 7 - Property Tax Adjustment 9 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Cost of Capital Weighted Average Cost of Capital Cash Working Capital - EnergyNorth Schedule RR-EN-3-1 Schedule RR-EN-3-2 Schedule RR-EN-3-2 Schedule RR-EN-3-3-1	3		Schedule RR-Summary
Schedule RR-EN-2 6 Operating Income Statement - Detail - EnergyNorth Schedule RR-EN-2-1 7 Summary of Adjustments Schedule RR-EN-3 8 9 10 Adjustments - EnergyNorth 11 Adjustment 1 - Revenue Adjustments 12 Adjustment 2 - Salary and Wage Expense 13 Adjustment 3 - Payroll Tax Expense 14 Adjustment 4 - Pension and Benefits Expense 15 Adjustment 5 - Depreciation Expense 16 Adjustment 5 - Depreciation Expense 17 Adjustment 7 - Property Tax 18 Adjustment 7 - Property Tax 19 Adjustment 8 - Income Tax Expense - Historical Test Year 10 Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates 10 Adjustment 10 - Other Adjustments 11 Oster Adjustment 10 - Other Adjustments 12 Schedule RR-EN-3-10 13 Cost of Capital 14 Weighted Average Cost of Capital 15 Rate Base 16 Rate Base 17 Rate Base - EnergyNorth 18 Schedule RR-EN-5 19 Cash Working Capital - EnergyNorth 20 Schedule RR-EN-5 21 Schedule RR-EN-5 22 Schedule RR-EN-5 23 Schedule RR-EN-5 24 Rate Base - EnergyNorth 25 Schedule RR-EN-5 26 Rate Base - EnergyNorth 27 Schedule RR-EN-5 28 Rate Base - EnergyNorth 39 Schedule RR-EN-5 30 Schedule RR-EN-5 31 Step Increase 32 Step Increase - EnergyNorth 30 Schedule RR-EN-5 31 Step Increase 32 Schedule Step-EN	4	•	
6 Operating Income Statement - Detail - EnergyNorth Summary of Adjustments 8 10 Adjustments - EnergyNorth 11 Adjustment 1 - Revenue Adjustments Schedule RR-EN-3-1 12 Adjustment 2 - Salary and Wage Expense Schedule RR-EN-3-1 13 Adjustment 3 - Payroll Tax Expense Schedule RR-EN-3-2 14 Adjustment 4 - Pension and Benefits Expense Schedule RR-EN-3-3 15 Adjustment 5 - Depreciation Expense Adjustment 6 - Amortization Expense Schedule RR-EN-3-5 16 Adjustment 7 - Property Tax Adjustment 7 - Property Tax Adjustment 8 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Schedule RR-EN-3-10 21 22 23 Cost of Capital Weighted Average Cost of Capital Weighted Average Cost of Capital Weighted Average Cost of Capital Schedule RR-EN-3 26 Rate Base 27 Rate Base Quarterly Balances - EnergyNorth Schedule RR-EN-5-1 29 Cash Working Capital - EnergyNorth Schedule RR-EN-5-2 30 31 Step Increase Step Increase - EnergyNorth Schedule Step-EN 33 34 Rate Case Expense	5		Schedule RR-EN-2
Adjustment 1 - Revenue Adjustments Adjustment 1 - Revenue Adjustments Adjustment 2 - Salary and Wage Expense Adjustment 3 - Payroll Tax Expense Adjustment 4 - Pension and Benefits Expense Schedule RR-EN-3-1 Adjustment 5 - Depreciation Expense Schedule RR-EN-3-5 Adjustment 6 - Amortization Expense Adjustment 7 - Property Tax Adjustment 8 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Schedule RR-EN-3-9 Adjustment 10 - Other Adjustments Schedule RR-EN-3-10 Cost of Capital Weighted Average Cost of Capital Schedule RR-EN-4 Expense - EnergyNorth Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-2 Schedule RR-EN-5-1	6		Schedule RR-EN-2-1
Adjustments - EnergyNorth Adjustment 1 - Revenue Adjustments Adjustment 2 - Salary and Wage Expense Adjustment 3 - Payroll Tax Expense Adjustment 4 - Pension and Benefits Expense Adjustment 5 - Depreciation Expense Adjustment 6 - Amortization Expense Adjustment 7 - Property Tax Adjustment 8 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Cost of Capital Weighted Average Cost of Capital Rate Base Rate Base Rate Base Quarterly Balances - EnergyNorth Schedule RR-EN-5-1 Schedule RR-EN-5-2 Schedule RR-EN-5-1 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-3 Schedule RR-EN-5-1 Schedule RR-EN-5-2 Schedule RR-EN-5-3 Schedule RR-EN-5-5 Schedule RR-EN-	7	Summary of Adjustments	Schedule RR-EN-3
Adjustment 1 - Revenue Adjustments Adjustment 2 - Salary and Wage Expense Schedule RR-EN-3-1 Adjustment 3 - Payroll Tax Expense Adjustment 4 - Pension and Benefits Expense Adjustment 5 - Depreciation Expense Schedule RR-EN-3-5 Adjustment 6 - Amortization Expense Schedule RR-EN-3-5 Adjustment 7 - Property Tax Adjustment 7 - Property Tax Adjustment 8 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Cost of Capital Weighted Average Cost of Capital Each Base Rate Base Rate Base - EnergyNorth Rate Base Quarterly Balances - EnergyNorth Schedule RR-EN-5-1 Cash Working Capital - EnergyNorth Step Increase Step Increase Schedule Step-EN	8		
Adjustment 1 - Revenue Adjustments Adjustment 2 - Salary and Wage Expense Adjustment 3 - Payroll Tax Expense Adjustment 4 - Pension and Benefits Expense Adjustment 5 - Depreciation Expense Adjustment 6 - Amortization Expense Adjustment 7 - Property Tax Adjustment 7 - Property Tax Adjustment 8 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Cost of Capital Weighted Average Cost of Capital Rate Base Rate Base - EnergyNorth Rate Base Quarterly Balances - EnergyNorth Schedule RR-EN-5-1 Schedule RR-EN-5-2 Schedule RR-EN-5-1 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-3 Schedule RR-EN-5-5-3 Schedule RR-EN-5-5-3 Schedule RR-EN-5-5-3 Adjustment 10 - Other Adjustments Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-5-3 Adjustment 10 - Other Adjustments Schedule RR-EN-5-1	9		
Adjustment 2 - Salary and Wage Expense Schedule RR-EN-3-2 Adjustment 3 - Payroll Tax Expense Adjustment 4 - Pension and Benefits Expense Schedule RR-EN-3-3 Adjustment 5 - Depreciation Expense Schedule RR-EN-3-5 Adjustment 6 - Amortization Expense Schedule RR-EN-3-5 Adjustment 7 - Property Tax Adjustment 7 - Property Tax Schedule RR-EN-3-7 Adjustment 8 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Cost of Capital Weighted Average Cost of Capital Eate Base Rate Base - EnergyNorth Rate Base - EnergyNorth Schedule RR-EN-5-1 Cash Working Capital - EnergyNorth Step Increase Step Increase Step Increase Schedule Step-EN Schedule Step-EN Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-3 Schedule RR-EN-5-5-3 Rate Base - EnergyNorth Schedule RR-EN-5-5-3 Adjustment 2 - Schedule RR-EN-5-5-3 Step Increase Step Increase Step Increase - EnergyNorth Schedule Step-EN Rate Case Expense	10	Adjustments - EnergyNorth	
Adjustment 3 - Payroll Tax Expense Adjustment 4 - Pension and Benefits Expense Adjustment 5 - Depreciation Expense Adjustment 6 - Amortization Expense Adjustment 7 - Property Tax Adjustment 8 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Cost of Capital Weighted Average Cost of Capital Rate Base Rate Base - EnergyNorth Rate Base Quarterly Balances - EnergyNorth Cash Working Capital - EnergyNorth Schedule RR-EN-5-1 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-1	11	Adjustment 1 - Revenue Adjustments	Schedule RR-EN-3-1
Adjustment 4 - Pension and Benefits Expense Schedule RR-EN-3-4 Adjustment 5 - Depreciation Expense Adjustment 6 - Amortization Expense Schedule RR-EN-3-5 Adjustment 7 - Property Tax Schedule RR-EN-3-7 Adjustment 8 - Income Tax Expense - Historical Test Year Schedule RR-EN-3-8 Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Schedule RR-EN-3-9 Adjustment 10 - Other Adjustments Schedule RR-EN-3-10 Cost of Capital Weighted Average Cost of Capital Schedule RR-EN-4 Rate Base Rate Base - EnergyNorth Rate Base Quarterly Balances - EnergyNorth Schedule RR-EN-5-1 Cash Working Capital - EnergyNorth Schedule RR-EN-5-1 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-3 Schedule RR-EN-5-3 Rate Base - EnergyNorth Schedule RR-EN-5-3 Schedule RR-EN-5-3 Schedule RR-EN-5-3 Rate Base - EnergyNorth Schedule RR-EN-5-1 Rate Base - EnergyNorth	12	Adjustment 2 - Salary and Wage Expense	Schedule RR-EN-3-2
Adjustment 5 - Depreciation Expense Adjustment 6 - Amortization Expense Adjustment 7 - Property Tax Adjustment 8 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Cost of Capital Weighted Average Cost of Capital Rate Base Rate Base - EnergyNorth Rate Base Quarterly Balances - EnergyNorth Cash Working Capital - EnergyNorth Schedule RR-EN-5-2 Schedule RR-EN-5-3 Schedule Step-EN Rate Case Expense	13	Adjustment 3 - Payroll Tax Expense	Schedule RR-EN-3-3
Adjustment 6 - Amortization Expense Adjustment 7 - Property Tax Schedule RR-EN-3-7 Radjustment 8 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Cost of Capital Weighted Average Cost of Capital Rate Base Rate Base - EnergyNorth Rate Base Quarterly Balances - EnergyNorth Cash Working Capital - EnergyNorth Schedule RR-EN-5-1 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-3 Schedule RR-EN-5-3 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-2 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-2 Rate Base Quarterly Balances - EnergyNorth Schedule RR-EN-5-2 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-1 Schedule RR-EN-5-2 Rate Base Expense	14	Adjustment 4 - Pension and Benefits Expense	Schedule RR-EN-3-4
Adjustment 7 - Property Tax Adjustment 8 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Schedule RR-EN-3-9 Adjustment 10 - Other Adjustments Schedule RR-EN-3-10 Cost of Capital Weighted Average Cost of Capital Rate Base Rate Base - EnergyNorth Rate Base Quarterly Balances - EnergyNorth Cash Working Capital - EnergyNorth Schedule RR-EN-5-1 Schedule RR-EN-5-2 Step Increase Step Increase - EnergyNorth Schedule Step-EN Rate Case Expense	15	Adjustment 5 - Depreciation Expense	Schedule RR-EN-3-5
Adjustment 8 - Income Tax Expense - Historical Test Year Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Cost of Capital Weighted Average Cost of Capital Rate Base Rate Base - EnergyNorth Rate Base Quarterly Balances - EnergyNorth Cash Working Capital - EnergyNorth Step Increase Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-3 Rate Case Expense	16	Adjustment 6 - Amortization Expense	Schedule RR-EN-3-6
Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates Adjustment 10 - Other Adjustments Schedule RR-EN-3-10 21 22 23	17	Adjustment 7 - Property Tax	Schedule RR-EN-3-7
Adjustment 10 - Other Adjustments Schedule RR-EN-3-10 21 22 23	18	Adjustment 8 - Income Tax Expense - Historical Test Year	Schedule RR-EN-3-8
21 22 23	19	Adjustment 9 - Income Tax Expense - Pro Forma Test Year at Current Rates	Schedule RR-EN-3-9
22 Cost of Capital 24 Weighted Average Cost of Capital 25 Schedule RR-EN-4 26 Rate Base 27 Rate Base - EnergyNorth 28 Rate Base Quarterly Balances - EnergyNorth 29 Cash Working Capital - EnergyNorth 30 Step Increase 31 Step Increase 32 Step Increase - EnergyNorth 33 Rate Case Expense	20	Adjustment 10 - Other Adjustments	Schedule RR-EN-3-10
23	21		
Weighted Average Cost of Capital Schedule RR-EN-4 Rate Base Rate Base - EnergyNorth Rate Base Quarterly Balances - EnergyNorth Cash Working Capital - EnergyNorth Schedule RR-EN-5-1 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule RR-EN-5-2 Rate Base Quarterly Balances - EnergyNorth Schedule RR-EN-5-1 Schedule RR-EN-5-2 Rate Case Expense	22		
25 26 Rate Base 27 Rate Base - EnergyNorth 28 Rate Base Quarterly Balances - EnergyNorth 29 Cash Working Capital - EnergyNorth 30 31 Step Increase 32 Step Increase - EnergyNorth 33 34 Rate Case Expense Schedule RR-EN-5-2 Schedule RR-EN-5-2 Schedule Step-EN	23	Cost of Capital	
26 Rate Base 27 Rate Base - EnergyNorth 28 Rate Base Quarterly Balances - EnergyNorth 29 Cash Working Capital - EnergyNorth 30 Step Increase 31 Step Increase 32 Step Increase - EnergyNorth 33 Rate Case Expense	24	Weighted Average Cost of Capital	Schedule RR-EN-4
27Rate Base - EnergyNorthSchedule RR-EN-528Rate Base Quarterly Balances - EnergyNorthSchedule RR-EN-5-129Cash Working Capital - EnergyNorthSchedule RR-EN-5-230Step Increase31Step Increase - EnergyNorthSchedule Step-EN33Rate Case Expense	25		
28 Rate Base Quarterly Balances - EnergyNorth 29 Cash Working Capital - EnergyNorth 30 31 Step Increase 32 Step Increase - EnergyNorth 33 34 Rate Case Expense	26	Rate Base	
29 Cash Working Capital - EnergyNorth 30 31 Step Increase 32 Step Increase - EnergyNorth 33 34 Rate Case Expense	27	Rate Base - EnergyNorth	Schedule RR-EN-5
30 31 Step Increase 32 Step Increase - EnergyNorth 33 34 Rate Case Expense	28	Rate Base Quarterly Balances - EnergyNorth	Schedule RR-EN-5-1
31 Step Increase 32 Step Increase - EnergyNorth 33 34 Rate Case Expense	29	Cash Working Capital - EnergyNorth	Schedule RR-EN-5-2
32 Step Increase - EnergyNorth 33 34 Rate Case Expense	30		
33 34 Rate Case Expense	31	Step Increase	
34 Rate Case Expense	32	Step Increase - EnergyNorth	Schedule Step-EN
	33		
35 Rate Case Expense Schedule RC	34		
	35	Rate Case Expense	Schedule RC

Adjustment No.	Source	Schedule Changed	Description	•	ent Amount - te Base	Cha	nge in Revenue Increase
1	Staff Adjustment 4	RR-EN-3-2	Payroll rate increase to 2.47%	\$	-	\$	(108,956)
2	Staff Adjustment 5	RR-EN-3-2	Normalize CSR 2019 Ratification Bonus		-		(14,400)
3	Staff Adjustment 9	RR-EN-3-7	Remove Double Count NH True Up		-		(230,708)
4	Staff Adjustment 10	RR-EN-3-10	Remove Additional Keene Costs		-		(5,313)
5	Clark/Mullen Rebuttal	RR-EN-3-1	Pelham Risk Sharing Change		-		2,712
6	n/a	RR-EN-5-2	Cash Working Capital True-up		(18,519)		(1,746)
				\$	(18,519)	\$	(358,410)

Liberty Utilities (EnergyNorth) Revenue Deficiency and Revenue Requirement Test Year With Known and Measurable Changes

Line	Description	Reference	F	EnergyNorth
1	Rate Base	RR-5	\$	346,131,311
3	Target Rate of Return on Rate Base	RR-4		7.47%
4 5 6	Operating Income Requirement	Line 1 X Line 3	\$	25,856,009
7 8	Operating Income at Present Rates	RR-2	\$	22,519,695
9 10	Operating Income Deficiency	Line 5 - Line 7	\$	3,336,314
11 12	Gross-up Factor for Additional Income Taxes	Line 19		1.3714
13 14	Revenue Deficiency	Line 9 X Line 11	\$	4,575,308
15 16 17	Gross-up Factor for Income Taxes Federal Income Tax Rate New Hampshire State Income Tax Rate	_		21.00% 7.70%
18 19 20	Combined Income Tax Rate Gross-up Factor	Line $16 + Line 17 - (Line 16 X Line 17)$ 1 / (1-Line 18)		27.08% 1.3714
20 21 22	Additional Income Tax Required	Line 13 - Line 9	\$	1,238,993
23 24	Distribution Revenue at Present Rates	RR-2	\$	94,850,554
25 26	% Increase Needed	Line 13 / Line 23		4.82%
27 28	Revenue with Increase	RR-2	\$	99,425,862
29	% Increase Needed - Total Revenue			2.79%

	Source								RR-EN-3				<u>RR-1</u>		
Lin	e Account	Test Year Ended December 31, 2019		C	ost of Gas & LDAC	Operating Measurable		Measurable Test Year at Propose Current Rates Increase		Proposed Increase		Distribution Operating ncome with Proposed Increase			
1	Revenue														
2	Operating Revenue	\$	157,984,809	S	(72,649,313)	\$	85,335,497	\$	1,348,864	S	86,684,361	\$	2,561,517	\$	89,245,877
3	Decoupling	-	4,965,231	-	-	*	4,965,231	-	-	-	4,965,231	*		*	4,965,231
4	COG Revenue (credit to Account 846)		-		1,993,587		1,993,587		-		1,993,587		2,013,791		4,007,378
5	Other Revenue		1,207,376		· · · · ·		1,207,376		-		1,207,376		· · · · · -		1,207,376
6		\$	164,157,416	\$	(70,655,726)	\$	93,501,690	\$	1,348,864	\$	94,850,554	\$	4,575,308	\$	99,425,862
7															
8	Operating Expenses														
9	Operations and Maintenance - Gas	\$	70,188,045	\$	(68, 365, 777)	\$	1,822,267	\$	(152,771)	\$	1,669,496			\$	1,669,496
10	Operations and Maintenance - Distribution		14,187,750		-		14,187,750		117,974		14,305,724				14,305,724
11	Customer Accounting		4,011,638		983,441		4,995,080		30,109		5,025,189				5,025,189
12	Sales and New Business		663,477		-		663,477		(33,575)		629,902				629,902
13	Administrative & General		8,719,450		-		8,719,450		(643,667)		8,075,783				8,075,783
14	Depreciation and Amortization		25,339,396		(3,025,052)		22,314,344		586,182		22,900,526				22,900,526
15	Taxes other than Income Taxes		14,030,617		-		14,030,617		162,818		14,193,436				14,193,436
16	Income Taxes		3,709,928		-		3,709,928		1,820,876		5,530,804		1,238,993		6,769,798
18		\$	140,850,302	\$	(70,407,388)	\$	70,442,914	\$	1,887,946	\$	72,330,860	\$	1,238,993	\$	73,569,853
19															
20	Utility Net Income	\$	23,307,114	\$	(248,338)	\$	23,058,776	\$	(539,082)	\$	22,519,695	\$	3,336,314	\$	25,856,009
21															
22	Rate Base				_	\$	346,131,311			\$	346,131,311	_		\$	346,131,311
23					_		•	•				_			
24	Rate of Return on Rate Base						6.66%				6.51%				7.47%

Liberty Utilities (EnergyNorth)
Operating Income Statement - Detail - EnergyNorth
Test Year With Known and Measurable Changes

Page 1 of 2

	Source						RR-EN-3						<u>R</u>	R-EN-3	
		Account	Test Year End	ed (Cost of Gas &		istribution		wn and	Tes	st Year At			La	bor Pro
Line	Account	Number	December 31, 20	19	LDAC	(Operating Income		surable stments	Cur	rent Rates		Labor	1	Forma
							meome	120,10	J. 11101103						
1	OPERATION AND MAINTENANCE EXPENSES														
2	O&M - Gas Production	710	\$ 976	662	e	ø	076 662	6	12.426	ø	000 000	•	044 645	•	059 071
3	Operation Supervision and Engineering Liquefied Petroleum Gas Expenses	710 717	\$ 9/6	,663	\$ -	\$	976,663	3	13,426	3	990,089	\$	944,645	2	958,071
5	Liquefied Petroleum Gas Expenses	728					-				-				-
6	Gas Mixing Expense	733	185	,703			185,703		(121,666)		64,037		185,703		188,343
7	Miscellaneous Production Expenses	735		,254	-		514,254		(44,534)		469,719		-		-
8	Maintenance of Production Equipment	742		531	-		119,531		-		119,531		_		_
9	Natural Gas City Gate Purchases	804	1,458		(1,458,035)		-		-		-		-		-
10	Other Gas Purchases	805	67,686		(67,686,807)		-		-		_		-		-
11	Gas Withdrawn from Storage	808	1,214		(1,214,522)		-		-		-		-		-
12	Operation Labor and Expenses	841		-	-		-		-		-		-		-
13	Other Expenses	846	(1,967,	471)	1,993,587		26,116		4		26,120		263		267
14	Total O&M - Gas Production		\$ 70,188,)45 \$	(68,365,777)	\$	1,822,267	\$	(152,771)	\$	1,669,496	\$	1,130,611	\$	1,146,680
15															
16	O&M - Distribution Expenses														
17	Measuring and Regulating Station Expenses (Transmission)	857	\$	-	\$ -	. \$	-	\$	-	\$	-	\$	-	\$	-
18	Maintenance of Mains (Transmission)	863		-	-		-		-		-		-		-
19	Operation Supervision and Engineering	870		,299	-		536,299		4,219		540,518		331,359		336,069
20	Distribution Load Dispatching	871		,530	-		575,530		8,173		583,704		575,068		583,241
21	Mains Services Expenses	874	5,633	,309	-		5,633,309		48,327		5,681,636		3,497,946		3,547,661
22	Measuring and Regulating Station Expenses - General	875		-	-		-		-		-		-		-
23	Measuring and Regulating Station Expenses - Industrial	876		-	-		-		-		-		-		-
24	Meter and House Regulator Expenses	878	1,118		-		1,118,308		14,767		1,133,075		1,038,978		1,053,744
25	Customer Installations Expenses	879		,292	-		629,292		8,858		638,150		623,226		632,084
26	Other Expenses	880	1,717		-		1,717,919		12,280		1,730,199		864,000		876,280
27	Rents	881	10	,618	-		10,618		-		10,618		-		-
28	Maintenance Supervision and Engineering	885			-								-		
29	Maintenance of Structures and Improvements	886		,555	-		147,555		1,706		149,261		120,051		121,758
30	Maintenance of Mains	887	2,660	,338	-		2,660,338		11,591		2,671,929		815,525		827,116
31	Maintenance of Measuring and Regulating Station Expenses	889	460	-	-		462.255		2.020		465.205		206.060		200.000
32	Maintenance of Services	892		,357	-		462,357		2,929		465,285		206,069		208,998
33	Maintenance of Meters and House Regulators	893		,020	-		351,020		3,746		354,765		263,554		267,300
34	Maintenance of Other Equipment	894		,205		· S	345,205	6	1,379	e.	346,584	•	97,049	e.	98,428
35 36	Total O&M - Distribution Total O&M - Gas Production and Distribution		\$ 14,187, \$ 84,375,				14,187,750 16,010,018	\$ \$	117,974 (34,797)	\$ \$	14,305,724 15,975,221	<u>\$</u>	8,432,825	\$	8,552,678 9,699,359
37	Total O&M - Gas Production and Distribution		\$ 84,375,	195 3	(08,305,777)	3	10,010,018	•	(34,797)	3	15,975,221		9,563,437	3	9,099,359
38	Customer Accounts Expenses														
39	Supervision	901	\$ 243	,201	\$	\$	243,201	\$	3,457	Φ.	246,658	\$	243,201	¢.	246,658
40	Meter Reading Expenses	901		,371	•	. ф	323,371	Ф	4,231	Ф	327,602	Φ	297,723	Ф	301,954
41	Customer Records and Collection Expenses	903	2,734				2,734,690		22,421		2,757,111		1,577,532		1,599,953
42	Uncollectible Accounts	904 0	1,680				1,680,770				1,680,770		1,577,552		1,377,733
43	Bad Debt Expense - Commodity	904 1	(983,		983,441		1,000,770		_		1,000,770		_		_
44	Miscellaneous Customer Accounts Expenses	905		.047	705,111		13,047		_		13,047		_		
45	Total Customer Accounting	703	\$ 4,011,		983,441	\$	4,995,080	\$	30,109	\$	5,025,189	\$	2,118,456	\$	2,148,565
46	Total Castomer Hecoanting		.,011,	, , , , , , , , , , , , , , , , , , ,	,05,111	Ψ	.,,,,,,,,,,	Ψ	50,107	Ψ	5,025,105		2,110,.00	Ψ	2,110,000
47	Customer Service and Informational & Sales Expenses														
48	Cust Assistance	908	\$	-	\$ -	. \$	-	\$	_	\$	_	\$	_	\$	_
49	Informational and Instructinal Advertising Expenses	909		,856			95,856		(14,122)		81,733		21,409	•	21,713
50	Cust Service Misc	910		,180			15,180		-		15,180		-		-
51	Sales & Advertising	912		,660			449,660		5,946		455,606		418,379		424,325
52	Advertising Expenses	913		,484	-		26,484		(26,484)		0				_
53	Miscellaneous Sales Expenses	916	76	299	-		76,299		1,084		77,383		76,299		77,383
54	Total Customer Service and Informational & Sales Expenses		\$ 663,		-	\$	663,477	\$	(33,575)	\$	629,902	\$	516,086	\$	523,421
55	Total Customer Accounts, Customer Service and Informational		\$ 4,675,	116 \$	983,441	\$	5,658,557	\$	(3,466)	\$	5,655,091	\$	2,634,542	\$	2,671,986
56	•														
57	Administrative and General Expenses														
58	A&G Salaries	920 0	\$ 2,690	,132	\$ -	\$	2,690,132	\$	34,648	\$	2,724,780	\$	2,437,821	\$	2,472,469
59	A&G Salaries - LU Head Office	920 1	3,128	,482	-		3,128,482				3,128,482		Allocat	ed co	sts
60	Office Supplies and Expenses	921	2,214	,501	-		2,214,501		(16,202)		2,198,299		-		-
61	Administrative Expenses Transferred	922 0	(13,438,	703)	-		(13,438,703)		233,952		(13,204,750)		Allocat		-4-
62	LU Labor Allocations Capitalized	922 1	(2,935,	573)	-		(2,935,673)		-		(2,935,673)		Allocat	ea co	StS
63	Outside Services Employed	923 0	1,038		-		1,038,455		(84,318)		954,137		-		-
64	Allocated LU Head Office	923 1	6,179	,915	-		6,179,915		-		6,179,915		-		-
65	Property Insurance	924		,523	-		51,523		-		51,523		-		-
66	Injuries and Damages	925		,179	-		814,179		-		814,179		-		-
67	Employee Pensions and Benefits	926	7,987	,623	-		7,987,623		(732,228)		7,255,395		-		-
68	Regulatory Commission Expenses	928	813	,919	-		813,919		(36,883)		777,036		-		-
69	Miscellaneous General Expenses	930	1	,146	-		1,146		-		1,146		-		-
70	Rents	931	173	,951	-		173,951		(42,637)		131,314		-		-
71	Maintenance of General Plant	932				<u> </u>									
72	Total Administrative & General		\$ 8,719,	450 \$	-	\$	8,719,450	\$	(643,667)	\$	8,075,783	\$	2,437,821	\$	2,472,469
	Total Operation and Maintenance Expenses		\$ 97,770,	361 \$	(67,382,336)	•	30,388,025	\$	(681,930)	\$	29,706,094	•	14,635,799	\$	14,843,813

Liberty Utilities (EnergyNorth)
Operating Income Statement - Detail - EnergyNorth
Test Year With Known and Measurable Changes

Page 2 of 2

	Test Year With Known and Measurable Changes													1 450 2 01	_
	Source	е								RR-EN-3				RR-EN-3	
Line	Account	Account Number		ear Ended per 31, 2019	Co	st of Gas & LDAC		istribution Operating Income	M	nown and leasurable ljustments		est Year At rrent Rates	Labor	Labor Pro Forma	_
75	DEPRECIATION AND AMORTIZATION EXPENSE														
76	Depreciation Expense	403	\$	18,173,439	\$	-	\$	18,173,439	\$	1,836,152	\$	20,009,591			
77	Amortization - Intangibles	405		3,435,643		-		3,435,643		(128,313)		3,307,330			
78	Regulatory Debits - Amortization of Regulatory Assets	407 3		705,261		-		705,261		186,853		892,115			
79	Regulatory Credits - Amortization of Regulatory Liabilities	407 4		3,025,052		(3,025,052)		-		(1,308,511)		(1,308,511)			
80	Total Depreciation and Amortization Expense		\$	25,339,396	\$	(3,025,052)	\$	22,314,344	\$	586,182	\$	22,900,526			
81															
82	TAXES OTHER THAN INCOME TAXES														
83	Taxes other than Income Taxes - Payroll Taxes	408	\$	1,625,755	\$	-	\$	1,625,755	\$	372,220	\$	1,997,975			
84	Taxes other than Income Taxes - Property Taxes	408		12,404,863		-		12,404,863		(209,402)		12,195,461			
85	Total Taxes other than Income Taxes		\$	14,030,617	\$	-	\$	14,030,617	\$	162,818	\$	14,193,436			
86															
87	FEDERAL / STATE INCOME TAXES														
88	Income Tax Expense	409-410	\$	3,709,928		-	\$	3,709,928		1,820,876	_	5,530,804			
89	Subtotal - Income Tax		\$	3,709,928	\$	-	\$	3,709,928	\$	1,820,876	\$	5,530,804			
90															
91															
92	TOTAL EXPENSES			140.050.202	•	(50, 405, 200)	•	70 442 014	•	1 007 046	•	72 220 060	6 14 (25 700	6 14.042.012	_
93 94	TOTAL EXPENSES		3	140,850,302	3	(70,407,388)	3	70,442,914	3	1,887,946	3	72,330,860	\$ 14,635,799	\$ 14,843,813	<u>, </u>
94 95	REVENUES														
95 96	Operating Revenue		\$	157,984,809	•	(72,649,313)	¢	85,335,497	¢	1,348,864	·	86,684,361			
97	Decoupling		J	4,965,231	Ф	(72,049,313)	φ	4,965,231	Φ	1,546,604	Φ	4,965,231			
98	COG Revenue (credit to Account 846)			1,703,231		1,993,587		1,993,587				1,993,587			
99	Other Revenue			1,207,376		-		1,207,376		_		1,207,376			
100	Total Revenue		S	164,157,416		(70,655,726)	\$	93,501,690	\$	1,348,864	\$	94,850,554			
101						(-)		, ,		,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
102	UTILITY NET INCOME		\$	23,307,114	\$	(248,338)	\$	23,058,776	\$	(539,082)	\$	22,519,695			
103				•											
104	TOTAL RATE BASE	RR-EN-5	\$	346,131,311			\$	346,131,311			\$	346,131,311			
105					•					'					
106	Income Tax Rate			13 73%				13 86%				19 72%			
107															
108	Rate of Return			6 73%				6 66%				6 51%			

Liberty Utilities (EnergyNorth) Summary of Adjustments Test Year Ended December 31, 2019

539,082

 Adjustment 1
 Adjustment 2
 Adjustment 3
 Adjustment 4
 Adjustment 5
 Adjustment 6
 Adjustment 7

 (1,348,864)
 208,014
 372,220
 (498,276)
 1,836,152
 (1,249,970)
 (168,070)

347,110 (433,001) Page 1 of 2

1,473,766

Line	Account	Account Number		Total	Revenue Adjustments	Salary and Wage Expense	Payroll Tax Expense	Pension and Benefits Expense	Depreciation Expense	Amortization Expense	Property Tax	Income Tax Expense - Historical Test Year	Income Tax Expense - Pro Forma Test Year at Current Rates	Other Adjustments	Historical Test Year Labor Expense	% Total Labor
1	OPERATION AND MAINTENANCE EXPENSES															
2	O&M - Gas Production															
3	Operation Supervision and Engineering	710	\$	13,426		\$ 13,426									\$ 944,645	
4	Liquefied Petroleum Gas Expenses	717 728		-		-									-	0.00%
6	Liquefied Petroleum Gas Gas Mixing Expense	733		(121,666)		2,639								(124,306)	185,703	
7	Miscellaneous Production Expenses	735		(44,534)		2,037								(44,534)	105,705	0.00%
8	Maintenance of Production Equipment	742		(11,551)										(11,551)		0.00%
9	Natural Gas City Gate Purchases	804		-		-									-	0.00%
10	Other Gas Purchases	805		-		-									-	0.00%
11	Gas Withdrawn from Storage	808		-		-									-	0.00%
12	Operation Labor and Expenses	841														0.00%
13	Other Expenses	846	_	4	_	4		_							263	
14 15	Total O&M - Gas Production		\$	(152,771)	s -	\$ 16,069	\$ -	\$ -	\$ -	\$ -	\$ -	5 -	5 -	\$ (168,840)	\$ 1,130,611	7.72%
16	O&M - Distribution Expenses															
17	Measuring and Regulating Station Expenses (Transmission	857	s	_		s -									s -	0.00%
18	Maintenance of Mains (Transmission)	863	-	_												0.00%
19	Operation Supervision and Engineering (Transmission)	870		4,219		4,710								(491)	331,359	
20	Distribution Load Dispatching	871		8,173		8,173									575,068	3.93%
21	Mains Services Expenses	874		48,327		49,715								(1,388)	3,497,946	
22	Measuring and Regulating Station Expenses - General	875		-		-									-	0.00%
23	Measuring and Regulating Station Expenses - Industrial	876														0.00%
24	Meter and House Regulator Expenses	878 879		14,767		14,767									1,038,978	
25 26	Customer Installations Expenses Other Expenses	880		8,858 12,280		8,858 12,280									623,226 864,000	
27	Rents	881		12,200		12,260									304,000	0.00%
28	Maintenance Supervision and Engineering	885		-		_										0.00%
29	Maintenance of Structures and Improvements	886		1,706		1,706									120,051	
30	Maintenance of Mains	887		11,591		11,591									815,525	5.57%
31	Maintenance of Measuring and Regulating Station Expense	889		-												0.00%
32	Maintenance of Services	892		2,929		2,929									206,069	
33	Maintenance of Meters and House Regulators	893		3,746		3,746									263,554	
34	Maintenance of Other Equipment	894		1 379	-	1 379									97 049	
35	Total O&M - Distribution		_	117,974		119,853	-			-		-	-	(1,879)	8,432,825	57.62%
36 37	Total O&M - Gas Production and Distribution		\$	(34,797)	S -	\$ 135,922	\$ -	S -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (170,719)	\$ 9,563,437	65.34%
38	Customer Accounts Expenses															
39	Supervision Supervision	901	s	3,457		\$ 3,457									\$ 243,201	1.66%
40	Meter Reading Expenses	902		4,231		4,231									297,723	
41	Customer Records and Collection Expenses	903		22,421		22,421									1,577,532	
42	Uncollectible Accounts	904.0		-		´-									-	0.00%
43	Bad Debt Expense - Commodity	904.1		-		-									-	0.00%
44	Miscellaneous Customer Accounts Expenses	905		-	-	-									-	0.00%
45	Total Customer Accounting		\$	30,109	<u>s</u> -	\$ 30,109	\$ -	\$ -	\$ -	S -	\$ -	\$ -	\$ -	\$ -	\$ 2,118,456	14.47%
46	C . C . IV 1861 F															
47 48	Customer Service and Informational & Sales Expenses Cust Assistance	000	s			\$.										0.000/
48	Informational and Instructinal Advertising Expenses	908 909	3	(14,122)		304								\$ (14,426)	\$ - 21,409	0.00% 0.15%
50	Cust Service Misc	910		(14,122)		304								3 (14,420)	21,409	0.13%
51	Sales & Advertising	912		5,946		5,946									418,379	
52	Advertising Expenses	913		(26,484)		5,7.0								\$ (26,484.00)	-	0.00%
53	Miscellaneous Sales Expenses	916		1,084		1,084								. (., ,	76,299	
54	Total Customer Service and Informational & Sales Expens			(33 575)	-	7 335	-	-	-	-	-	-	-	(40 910)	516 086	3.53%
55	Total Customer Accounts Customer Service and Informati	onal	\$	(3 466)	\$ -	\$ 37 444	\$ -	\$ -	\$ -	s -	\$ -	\$ -	s -	\$ (40 910)	\$ 2 634 542	18.00%
56																
57	Administrative and General Expenses															
58 59	A&G Salaries	920.0	\$	34,648		\$ 34,648									\$ 2,437,821	16.66% 0.00%
	A&G Salaries - LU Head Office	920.1		(1 (202)		-								(16,202)	Allocated costs	0.00%
60 61	Office Supplies and Expenses Administrative Expenses Transferred	921.0 922.0		(16,202) 233,952		-		233,952						(10,202)	Allocated costs	0.00%
62	LU Labor Allocations Capitalized	922.1		233,732				255,752							Allocated costs	0.00%
63	Outside Services Employed	923.0		(84,318)		_								(84,318)	Anocated costs	0.00%
64	Allocated LU Head Office	923.1		(0.,0.0)		-								(-1,-1-)		0.00%
65	Property Insurance	924		-		-									-	0.00%
66	Injuries and Damages	925		-		-									-	0.00%
67	Employee Pensions and Benefits	926		(732,228)		-		(732,228)						-	0.00%
68	Regulatory Commission Expenses	928		(36,883)		-								(36,883)	-	0.00%
69	Miscellaneous General Expenses	930				-								/10 /0-	-	0.00%
70 71	Rents Maintenance of General Plant	931		(42,637)		-								(42,637)	-	0.00%
71	Maintenance of General Plant Total Administrative & General	932	-	(643 667)	-	34 648		(498 276	Δ.					(180 040)	2 437 821	0.00%
72	Total Operation and Maintenance Expenses		\$	(681,930)	•	\$ 208.014	•	\$ (498,276		•	•	•	•	\$ (391,669)	\$ 14,635,799	
13	Tom Operation and Frantenance Expenses			(001,730)		9 400,014		· (470,270	, , -	-	· -	-	-	· (371,007)	y 17,000,799	100.00 /0

Docket No. DG 20-105 Attachment DBS/KAS-1-Rebuttal Schedule RR-EN-3(R)

Page 2 of 2

Liberty Utilities (EnergyNorth) Summary of Adjustments Test Year Ended December 31, 2019

539,082 (1,348,864) 208,014 372,220 (498,276) 1,836,152 (1,249,970) (168,070) 1,473,766 347,110 (433,001)

Income Tax Historical Test % Total Pension and Income Tax Expense -Salary and Payroll Tax Depreciation Other Account Revenue Amortization Expense -Pro Forma Test Year at Adjustments Line Account Total Benefits Property Tax Year Labor Number Adjustments Wage Expense Expense Expense Expense Historical Expense Current Rates Expense 74 DEPRECIATION AND AMORTIZATION EXPENSE 75 Depreciation Expense 403.0 \$ 1,836,152 Amortization - Intangibles 405.0 (128,313) Regulatory Debits 407.3 186,853 186,853 Regulatory Credits - Amortization of Regulatory Assets (1,308,511) 407.4 (1,308,511) Total Depreciation and Amortization Expense \$ 1,836,152 \$ (1,249,970) \$ 586,182 TAXES OTHER THAN INCOME TAXES Taxes other than Income Taxes - Payroll Taxes 372,220 \$ 372,220 (168.070) Taxes other than Income Taxes - Property Taxes 408 (209,402)(41,332)Total Taxes other than Income Taxes 162,818 \$ (168,070) \$ \$ (41,332) FEDERAL / STATE INCOME TAXES Income Tax Expense 1,820,876 \$ 1,473,766 \$ 347,110 \$ TOTAL EXPENSES \$ 1,887,946 \$ - \$ 208,014 \$ 372,220 \$ (498,276) \$ 1,836,152 \$ (1,249,970) \$ (168,070) \$ 1,473,766 \$ 347,110 \$ (433,001) REVENUES Operating Revenue 1,348,864 \$ 1,348,864 Other Revenue \$ 1,348,864 \$ 1,348,864 \$ Total Revenue (539,082) \$ 1,348,864 \$ (208,014) \$ (372,220) \$ 498,276 \$ (1,836,152) \$ 1,249,970 \$ 168,070 \$ (1,473,766) \$ UTILITY NET INCOME (347,110) \$ 433,001

Liberty Utilities (EnergyNorth) Adjustments to Test Year Adjustment 1 Revenue Adjustments

		Cur	rent Amounts	
Line	Description	(12/31/2019	Source/Notes
			Test Year)	
1	Operating Revenue	\$	85,335,497	Trial Balance
2	•			
3	Adjustments to Operating Revenue			
4				
5	CNG Station Revenue Requirement Adjustment	\$	(11,187)	Staff Request TS 3-6
6	Low Income Adjustment		(64,825)	
7	Granite Ridge Special Contract		(776,312)	
8	iNATGAS Special Contract		(24,630)	
9	Allowed Base Revenue Adjustment to Test Year		(831,044)	
10	Customer Count Adjustment		734,227	Required by Commission Order No 26,122
11	Pelham Risk Sharing Adjustment		61,871	Mullen Testimony
12	One-time correcting entry - ROR on Concord Steam Adjustment		(45,747)	DBS/KAS-1
13	One-time correcting entry - True-up on LRAM Adjustment		81,406	DBS/KAS-1
14	CIBS Revenue Adjustment		1,612,633	Required by Commission in Docket DG 20-049
15	End of Year Rate Adjustment		612,472	Input (Table 1 of DeCourcey Testimony)
16	Pro Forma Operating Revenue	\$	86,684,361	
17				_
18	Total Adjustment to Operating Revenues	\$	1,348,864	

Liberty Utilities (EnergyNorth) Adjustments to Test Year Adjustment 2 Salary and Wage Expense

Line	Department	Total
	·	
1	Test Year LU NH Labor Charged to EnergyNorth	\$ 14,635,799
2	Less: vacancy adjustment	211,691
3	Net Test Year Labor Charged to EnergyNorth	\$ 14,424,108
4	2019 Salary & Wage Increase Annualization- O&M	2.47%
5	2019 Payroll Increase Annualization (not in test year, effective March 2019)	58,781
6	2019 LU NH Labor Charged to EnergyNorth Annualized	14,482,889
7		
8	2020 Salary & Wage Increase - O&M	357,727
9	Adjustment for pro rated increase (effective March 2020)	(59,621)
10	2020 Payroll Increase - O&M	\$ 298,106
11		
12	Test year LU Regional Allocated Labor (not included in test year labor)	\$ 3,128,482
13	2019 Salary & Wage Increase LU Regional	2.47%
14	2019 Salary & Wage Increase Annualization (not in test year)	12,565
15	2019 Salary & Wages Annualized	\$ 3,141,047
16		
17	2020 Salary & Wage Increase - O&M	77,584
18	Adjustment for pro rated increase (effective March 2020)	(12,931)
19	2020 Payroll Increase - O&M	\$ 64,653
20		·
21	Pro Forma LU NH Labor for 2020 Payroll Increase	17,986,695
22	Less: 2019 Ratification Bonus	18,000
23	Plus: 5 year amortization of 2019 Ratification Bonus	3,600
24	Net Pro Forma LU NH Labor for 2020 Payroll Increase	17,972,295
25		
26	Test Year Labor Charged to EnergyNorth	17,764,281
27		
28	Increase Due to Known and Measurable - Payroll	\$ 208,014

Docket No. DG 20-105 Attachment DBS/KAS-1-Rebuttal Schedule RR-EN-3-3(R) Page 1 of 1

Liberty Utilities (EnergyNorth) Adjustments to Test Year Adjustment 3 Payroll Tax Expense

Line	Particulars	Reference	E	xpense (\$)
1	Unadjusted Test Year Labor Expense	RR-EN-2-1	\$	14,635,799
2	Unadjusted Test Year Payroll Tax Expense	RR-EN-2-1		1,625,755
3	Payroll Tax Rate (%)			11.11%
4				
5	Adjusted Test Year Labor Expense		\$	17,986,695
6	Payroll Tax Rate (%)			11.11%
7	Adjusted Payroll Tax Expense			1,997,975
8	Increase Due to Known and Measurable Payroll Tax Expense		\$	372,220

Liberty Utilities (EnergyNorth) Adjustments to Test Year Adjustment 4 Pension and Benefits Expense

Line	Particulars	Source		Amount
1	Test Year ended 12/31/2019 Benefits Expense	RR-3-04WP	s	4,623,151
2	Adjustment to Benefits Expense		\$	11,974
3				
4	Historical Test Year Pension & OPEB Expense	RR-3-04WP	\$	3,300,364
5	Adjustment to Pension & OPEB Expense	RR-3-04WP	\$	(680,094)
6				
7	Historical Test Year Other Employee Benefits Expense	RR-3-04WP	\$	64,108
8	Adjustment to Other Employee Benefits Expense		\$	(64,108)
9				
10 11	All doubt Led Pro Codd Pal Back of Share and ODER. To Assess 4000		•	(522 220)
12	Adjustment - Including Capitalized Portion of Pensions and OPEBs - To Account 926			(732,228)
13	Total	Ln 5		(680,094)
14	Capitalization Rate	LII J		34 40%
15	Caphanzanon Nate			34 4070
16	Adjustment - Capitalized Portion - To Account 922		S	233,952
17	· · · · · · · · · · · · · · · · · · ·			2009-02
18				
19	Adjustment to Rate Year Expense		\$	(498,276)
20	·			, , , , , , , , , , , , , , , , , , , ,
21				

Liberty Utilities (EnergyNorth) Adjustments to Test Year Adjustment 5 Depreciation Expense

						Plant in Se	ervice			Pro Forma				
Line	Account	Account Number	Depreciation Rates	Balance 1/1/2019	Additions	Account 106	Balance 12/31/2019	Decoupling IT over \$50k	Balance (less IT) 12/31/2019	Depreciation Expense	Accumulated Reserve as of 12/31/2019		Accounts 1084 and 2420 by FERC Account	Adjusted Accumulated Reserve
1	Franchises and Consents	302	0.00%	250,950		_	250,950) -	250,950	_	_		_	_
2	Capital Software	303.0	16.13%	16,411,722	989,181	_	,-		-			_		
3	Capital Software - 3 Years	303.1	33.33%	-	-	9,806	909,17	185,436	723,742	241,247	526,686	41,208		485,478
4	Capital Software - 5 Years	303.2	20.00%		-	141,332	13,103,29	1 -	13,103,294	2,620,659	10,753,219			10,753,219
5	Capital Software - 10 Years	303.4	10.00%		-	34,862	3,232,16		3,232,162	323,216	2,322,064	-		2,322,064
6	Subtotal - INTANGIBLE PLANT			\$ 16,662,672 \$	989,181	\$ 186,000	\$ 17,495,584	1 \$ 185,436	\$ 17,310,148	\$ 3,185,122	\$ 13,601,969	\$ 41,208	S -	\$ 13,560,761
7														
8	Land & Land Rights	304		\$ 97,504	\$ -	\$ -	§ 97,504	1 S -	\$ 97,504	s -	S -	\$ -	\$ -	\$ -
9	Structures and Improvements	305	2.86%	815,122	37,045		852,16	7 -	852,167	24,372	280,124	-		280,124
10	Liquefied Petroleum Gas Equipment	311	2.86%			-					(35,647)) -		(35,647
11	Gas Mixing Equipment	319	5.00%	336,984	31,360	-	368,34	5 -	368,345	18,417	241,392	-		241,392
12	Other Equipment - LNG	320.0	2.86%	294,148	21,422	_	315,570) -	315,570	9,025	(57,148)) -		(57,148
13	Other Equipment	320.1	2.86%	3,478,111	0		3,478,11		3,478,111	99,474	1,389,131	-		1,389,131
13	Purification Equipment	361	2.86%	96,980	-	-	96,98) -	96,980	2,774	17,233	-		17,233
15	Other Equipment	363	2.86%	7 646		_	7 64	5 -	7 646	219	2 044	_		2 044
16	Subtotal - PRODUCTION PLANT			\$ 5 126 494 \$	89 827	S - S	5 216 322	S -	\$ 5 216 322	\$ 154 281	\$ 1 837 129	S -	S -	\$ 1 837 129
17														
18	Land & Land Rights	364.1	0.00%	\$ 57,315 \$		S - S	57,315	S -	\$ 57,315			_		
19	Structures and Improvements	364.2	2.86%	609,078			609,078		609,078	17.420	460,293	_		460,293
20	Other Equipment	364.8	5.26%	3 929 432	(33 412)	-	3 896 019		3 896 019	204 931	2 400 155	-	-	2 400 155
21	Subtotal LNG Terminaling and Processing			\$ 4,595,825 \$	(33,412)	S -	\$ 4,562,413	2 S -	\$ 4,562,412	\$ 222,350	\$ 2,860,448	S -	S -	\$ 2,860,448
22														
23	Land & Land Rights	365	0.00%	S -	s -	S -	\$	- S -	S -	S -	S -	S -	S -	\$ -
24	Structures and Improvements	366.2	2.86%	-	-	-			-		(34,860)) -		(34,860
25	Structures and Improv-Other	366.3	2.86%			-					(48,434)) -		(48,434
26	Mains	367	1.92%	11,722,426	(11,827)	29,863	11,740,463	2 -	11,740,462	225,417	404,274	-		404,274
27	Measuring and Regulating Station Equipment	369	2.86%	115,257	22,924	-	138,183	2 -	138,182	3,952	(18,159)) -		(18,159
28	Land & Land Rights	374	0.00%	357,903		-	357,903	-	357,903			-		-
29	Structures and Improvements	375	2.86%	99,272	1,590,024		1,689,29	5 -	1,689,296	48,314	213,309	-	-	213,309
30	T&D Mains - STL-PLST-CI-Mixed	376.0	1.92%	257,097,448	29,961,341	25,023,889	312,082,67	3 -	312,082,678	5,991,987	72,204,757	-	2,799,937	69,404,820
31	T&D Mains - OTH	376.1	1.92%	288	-	-	28	3 -	288	6	288	-	11	277
32	T&D Mains - PLST	376.2	1.92%	2,783,066	305,297	1,444,003	4,532,36	-	4,532,366	87,021	988,333	-	38,325	950,008
33	T&D Mains - CI	376.3	1.92%	6,137	-	-	6,13	7 -	6,137	118	6,137	-	238	5,899
34	T&D Mains - Valve > 4"	376.4	1.92%	7,061		-	7,06		7,061	136	984	-	38	946
35	Dist-Compressor station equipment	377	1.92%	-	2,246,186	-	2,246,186	-	2,246,186	43,127	192,723	-		192,723
36	Measuring and Regulating Station Equipment - General	378	2.86%	6,490,028	943,675	1,587	7,435,29) -	7,435,290	212,649	4,358,391	-	-	4,358,391
37	Dist-Measuring and regulating station equipment-Ci	379	2.86%	1,883,503	3,411,244	-	5,294,74	-	5,294,746	151,430	1,321,095	-		1,321,095
38	T&D Gas Services - STL	380.0	3.55%	159,518,056	10,726,295	6,311,903	176,556,254	1 -	176,556,254	6,267,747	86,081,825	-	872,591	85,209,235
39	T&D Gas Services - OTH	380.1	3.55%	893,282	124,699	371,956	1,389,93	7 -	1,389,937	49,343	151,982	-		151,982
40	T&G Gas Services - PLST	380.2	3.55%	757,753	153,465	66,375	977,594	1 -	977,594	34,705	250,267	-		250,267
41	Meters	381.0	3.13%	13,446,533	(201,985)	1,550,680	14,795,22	3 -	14,795,228	463,091	4,544,359	-	919	4,543,440
42	Meters - Instrument	381.1	3.13%	276,522		-	276,52	2 -	276,522	8,655	113,499	-	-	113,499
43	Meters - ERTS	381.2	6.67%	6,073,154	(27,801)	-	6,045,35	-	6,045,353	403,225	2,744,146	-	-	2,744,146
44	Meter Installations	382	3.13%	18,597,177	-	7,464,547	26,061,72	1 -	26,061,724	815,732	4,122,684	-	-	4,122,684
45	Indust meas and reg station equip	385	2.86%	-	53,375	-	53,37		53,375	1,527	5,332	-	1,229	
46	Other Equipment	387	5.26%	1 714 172	24 435	939 163	2 677 770		2 677 770	140 851	1 078 797	-		1 078 797
47	Subtotal - DISTRIBUTION PLANT			\$ 481,839,040 \$	49,321,346	\$ 43,203,966 \$	574,364,353	S -	\$ 574,364,353	\$ 14,949,031	\$ 178,681,730	S -	\$ 3,713,289	\$ 174,968,441

Liberty Utilities (EnergyNorth) Adjustments to Test Year Adjustment 5 Depreciation Expense

Structures ar	Account and Rights and Improvements and Improvements - Boiler and Improvements iture and Equipment iture and Equipment - Computers iture and Equipment - Laptop Computers iture and Equipment - Auto	389 390.0 390.1 390.2 391.0	Depreciation Rates 0.00% 2.86% 2.86%	Balance 1/1/2019 \$ 174,525 \$ 18,958,404	Additions (53,036)	Account 106	Balance 12/31/2019	Decoupling IT over \$50k	Balance (less IT)	Depreciation Expense	Accumulated Reserve as of 12/31/2019	Decoupling IT over \$50k	Accounts 1084 and 2420 by FERC	Adjusted Accumulated Reserve
49 Land & Land 50 Structures ar 51 Structures ar 52 Structures ar 53 Office Furnit 54 Office Furnit 55 Office Furnit 56 Transportatic 57 Transportatic 68 Transportatic 60 Stores Equip 61 Tools, Shop, 62 Tools, Shop, 62 Power Opera 64 Power Opera 65 Power Opera 66 Office Furnit 67 Missellaneo 68 Subtotal - GI 69 69 60 TOTAL 71 71 72 OPI-LAND 73 74 PLANT HEL 75 76 66 GRAND TO 77	ind Improvements and Improvements - Boiler and Improvements iture and Equipment iture and Equipment - Computers iture and Equipment - Laptop Computers	390.0 390.1 390.2	2.86%		(53,036)				12/31/2019			II OVEL 350K	Account	Accumulated Reserve
Structures ar	ind Improvements and Improvements - Boiler and Improvements iture and Equipment iture and Equipment - Computers iture and Equipment - Laptop Computers	390.0 390.1 390.2	2.86%		(53,036)					\$ -		\$.	s -	\$
Structures ar	nd Improvements - Boiler nd Improvements iture and Equipment iture and Equipment - Computers iture and Equipment - Laptop Computers	390.1 390.2			2,605,825		121,489 22,632,412		\$ 121,489 22,632,412	\$ - 647,287	5,559,722	\$ -	26,833	5,532,889
Structures are	nd Improvements iture and Equipment iture and Equipment - Computers iture and Equipment - Laptop Computers	390.2	2.8076	20,705	2,605,825	1,068,183	22,632,412		22,632,412	592	21,812	-	26,833	5,532,889 21,812
53 Office Furnii 54 Office Furnii 55 Office Furnii 56 Transportatic 57 Transportatic 60 Stores Equip 61 Tools, Shop, 62 Tools, Shop, 63 Power Opera 64 Power Opera 65 Power Opera 66 Communicat 67 Miscellance 68 Subtotal - Gl 69 TOTAL 71 OPI-LAND I 73 OPI-STRUC 74 PLANT HEL 75 GRAND TO	iture and Equipment iture and Equipment - Computers iture and Equipment - Laptop Computers		2.86%	20,705			20,705		20,705	392		-		21,812 5,360
Office Furnit	iture and Equipment - Computers iture and Equipment - Laptop Computers		5.28%	357,246	176,299		636,368	-	636,368	33,600	5,360 119,886	-	-	5,360 119,886
55 Office Furnits 56	iture and Equipment - Laptop Computers	391.1	10.00%	357,246 846,215		1.71.1	867,103		867,103	86,710	(403,214)	-	-	(403,214)
56												-	-	
Transportatic	on Equipment - Auto	391.2	20.00%	834,476	44,256		899,621	-	899,621	179,924	440,849	-	-	440,849
Transportatic		392.0	20.00%	5,380,959	1,102,627		7,714,115	-	7,714,115	1,542,823	3,451,477	-	-	3,451,477
59 Transportatio 60 Stores Equip 61 Tools, Shop, 62 Tools, Shop, 63 Power Opera 64 Power Opera 65 Power Opera 66 Communicat 67 Miscellaneou 68 Subtotal - Gi 69 70 TOTAL 71 72 OPI-LAND I 73 OPI-STRUC 74 PLANT HEL 75 76 GRAND TO 77		392.1	20.00%	170,840	(20,060)		150,780	-	150,780	30,156	150,780	-	-	150,780
60 Stores Equip 61 Tools, Shop, 62 Tools, Shop, 63 Power Opera 64 Power Opera 65 Power Opera 66 Communicat 67 Miscellaneot 68 Subtotal - Gl 70 TOTAL 71 72 OPI-LAND 1 73 OPI-STRUC 74 PLANT HEL 75 76 GRAND TO 77	ion Equipment - Van	392.2	20.00%	13,613	128,607	-	142,220	-	142,220	28,444	13,613	-	-	13,613
61 Tools, Shop, 62 Tools, Shop, 63 Power Opera 64 Power Opera 65 Power Opera 66 Communicat 67 Miscellaneo 68 Subtotal - Gl 69 70 TOTAL 71 72 OPI-LAND 1 73 OPI-STRUC 74 PLANT HEL 75 76 GRAND TO 77	ion Equipment - Van	392.3	20.00%	-		-	-	-	-	-	34,070	-	-	34,070
62 Tools, Shop, 63 Power Opera 64 Power Opera 65 Power Opera 66 Communicat 67 Miscellance 68 Subtotal - Gil 69 70 TOTAL 71 72 OPI-LAND I 73 OPI-STRUC 74 PLANT HEL 75 76 GRAND TO 77		393	3.33%	99,421			138,142	-	138,142	4,600	35,198	-	-	35,198
63 Power Opera 64 Power Opera 65 Power Opera 66 Communicat 67 Miscellaneou 68 Subtotal - Gl 69 70 TOTAL 71 72 OPI-LAND I 73 OPI-STRUC 74 PLANT HEL 75 76 GRAND TO 77	, and Garage Equipment	394.0	5.26%	1,041,043	2,099,550	198,864	3,339,457	-	3,339,457	175,655	787,804	-		787,804
64 Power Opera 65 Power Opera 66 Communicat 67 Miscellanco 68 Subtotal - Gl 69 70 TOTAL 71 OPI-LAND I 72 OPI-LAND I 73 OPI-STRUC 74 PLANT HEI 75 76 GRAND TO 77	, and Garage Equipment - CNG Station	394.1	5.26%	-		-	-	-	-	-	(33,749)	-	-	(33,749)
65 Power Opera 66 Communicat 67 Miscellaneou 68 Subtotal - Gi 69 70 TOTAL 71 72 OPI-LAND 1 73 OPI-STRUC 74 PLANT HEL 75 76 GRAND TO 77	rated Equipment <=12,000 lbs	396.0	20.00%	454,189	214,302	532,868	1,201,359	-	1,201,359	240,272	177,393	-	-	177,393
66 Communicat 67 Miscellances 68 Subtotal - Gl 69 70 TOTAL 71 72 OPI-LAND I 73 OPI-STRUC 74 PLANT HEL 75 76 GRAND TO 77	rated Equipment >=12,000 lbs	396.1	20.00%	177,393		-	177,393	-	177,393	35,479	461,164	-	-	461,164
68 Miscellaneon Subtotal - Gl 69 70 TOTAL 71 72 OPI-LAND 1 73 OPI-STRUC 74 PLANT HEL 75 76 GRAND TO 77	rated Equipment <=12,000 lbs	396.2	20.00%				-	-	-		44,952	-		44,952
68 Subtotal - Gl 69 70 TOTAL 71 72 OPI-LAND I 73 OPI-STRUC 74 PLANT HEI 75 6 GRAND TO 77	itions Equipment	397	10.00%	507,407	165,492	219,503	892,402	-	892,402	89,240	433,204	-		433,204
69 70 TOTAL 71 72 OPI-LAND I 73 OPI-STRUC 74 PLANT HEI 75 GRAND TO 77	ous Equipment	398	6.67%	485,924		317,050	802,973	-	802,973	53,558	251,165	-		251,165
70 TOTAL 71 72 OPI-LAND I 73 OPI-STRUC 74 PLANT HEI 75 76 GRAND TO 77	GENERAL PLANT			\$ 29 522 360 \$	6 463 862	\$ 3 750 318 \$	39 736 540	S -	\$ 39 736 540	\$ 3 148 341	\$ 11 551 486	S -	\$ 26 833	11 524 653
71 72 OPI-LAND I 73 OPI-STRUC 74 PLANT HEL 75 76 GRAND TO														
72 OPI-LAND I 73 OPI-STRUC 74 PLANT HEL 75 76 GRAND TO				\$ 537,746,391 \$	56,830,804	\$ 47,140,284 \$	641,375,210	\$ 185,436	\$ 641,189,774	\$ 21,659,125	\$ 208,532,762	\$ 41,208	\$ 3,740,121	\$ 204,751,433
73 OPI-STRUC 74 PLANT HEI 75 76 GRAND TO				-										
74 PLANT HEI 75 76 GRAND TO	RETAINED	121					13,665		Non-Rate Base					
75 76 GRAND TO 77	CTURES-RETAINED	121.1					133,284		Non-Rate Base		133,284			Not In Rate Base
75 76 GRAND TO 77	LD FOR FUTURE USE	105					852,305		Non-Rate Base		,			
76 GRAND TO							,							
77	OTAL.			\$ 537,746,391 \$	56 830 804	\$ 47,140,284 \$	642,374,464	\$ 185.436	\$ 641,189,774	\$ 21,659,125	\$ 208,666,046	\$ 41,208	\$ 3,740,121	\$ 204,751,433
	,			\$ 557,7 TO,5571 \$	20,020,001	ψ 17,110,201 q	012,571,101	0 100,100	0 011,102,771	0 21,007,120	200,000,010	0 11,200	9 3,710,121	201,701,100
	tization expense included above						To RR-EN-3-6			\$ (3,185,122)				
	n Expense, as Calculated						10 MI-EN-5-0			\$ 18,474,003				
	n Reserve Imbalance									\$ 9,213,530				
81 Amortization										3 7,213,330				
		(A account 402)								\$ 1,535,588				
	A Recerve Imbalance Adjustment Amortization	(Account 405)								\$ 20,009,591				
	n Reserve Imbalance Adjustment Amortization (\$ 20,009,391 \$ 18 173 439				
	Depreciation Expense													
85 Adjustment										\$ 1,836,152				

Liberty Utilities (EnergyNorth) Adjustments to Test Year Adjustment 6 Amortization Expense

Line	Description	Reference	Amortization Expense
1	Adjustment 1: Account 1929-4073 - Amortization of Costs to Achieve		
2			
3	Amount in Historical Test Year	RR-EN-2-1	\$ 705,261
4 5	Remove Cost to Achieve		(195,850)
6	New Costs to Achieve Proposed Cost to Achieve		48,197 3
7	Add New Cost to Achieve Amortization		16,066
8	Remove Test Year Amortization for Concord Steam		(500,658)
9	Add New Concord Steam Amortization		518,100
10	Adjustment		\$ (162,343)
11	rajuotinent		ψ (102,313)
12	Adjustment 2: NHDAS Special Contract Amortization		
13	Total NHDAS Special Contract Amount		\$ 1,047,589
14	Proposed Amortization Period (Years)		3
15	Adjustment		\$ 349,196
16	·		
17	Adjustment to Test Year Account 407.3		\$ 186,853
18			
19	Adjustment 3: Amortization of Excess Accumulated Deferred Income Taxes (EADIT)		
20	Total EADIT (inclusive of gross-up)		\$ (37,855,214)
21	Protected EADIT		\$ (33,434,927)
22	Weighted Average Remaining Life (years)		28 93
23	Protected EADIT Amortization		\$ (1,155,718)
24			
25	Unprotected EADIT (inclusive of gross-up)		\$ (4,420,287)
26	Unprotected EADIT Amortization Period (years)		28 93
27	Unprotected EADIT Amortization		\$ (152,792)
28			
29	Adjustment to Test Year Account 407.4		\$ (1,308,511)
30			
31	Adjustment 4: Account 8640-4050 - Amortization of Intangibles		
32	Annual Amortization Expense, as Calculated	RR-EN-3-5	\$ 3,185,122
33	Deprecation Reserve Imbalance (Account 405)		\$ 733,248
34	Amortization Period		6
35	Depreciation Reserve Impalance Amortization		\$ 122,208
36	Pro Forma Annual Amortization Expense	DD EN 2.1	3,307,330
37	Historical Test Year Expense	RR-EN-2-1	3,435,643 \$ (128,313)
38 39	Adjustment		\$ (128,313)
39 40	Adjustment to Test Veen Assessed 405.0		e (120.212)
40	Adjustment to Test Year Account 405.0		\$ (128,313)
41	Total Adjustment		\$ (1.240.070)
42	Total Adjustment		\$ (1,249,970)

Liberty Utilities (EnergyNorth) Adjustments to Test Year Adjustment 7 Property Tax

				Tax Year 2019	
Line	Municipality	Parcel	Installment #1	Installment #2	Total Due
1	Allenstown	0400-001	\$ 30,526	\$ 32,637	\$ 63,163
2	Amherst	002-033-008	48,942	47,884	96,826
3	Amherst	002-033-007	4,171	4,081	8,252
4	Auburn	000001/000001/000UTL	604	743	1,347
5	Bedford	1-1-A	45,894	59,286	105,180
6	Belmont	999-000-000-001	21,788	20,272	42,060
7	Berlin	000404-000051.0000L1	10,810	11,418	22,228
8	Boscawen	000099-000002-000000	10,906	12,263	23,169
9	Bow	0-9-99	71,941	78,266	150,207
10	Canterbury	000000-000002-000000	3,726	2,682	6,408
11	Derry	35-102	37,832	57,824	95,656
12	Franklin	000-001-00	44,651	47,057	91,709
13	Gilford	210-002.000	53	70	123
14	Gilford	210-002.000	49	67	116
15	Gilford	210-003.000	47	65	110
16	Gilford	210-004.000	47	67	116
	Gilford				
17	Goffstown	200-003.000	3,336	3,954	7,290
18		99-4-2 99-4-1	29,805	48,006	77,811
19	Goffstown		2,780	(478)	2,302
20	Hollis	056-027-001	2,647	2,614	5,261
21	Hooksett	0GAS-0001	148,146	139,528	287,674
22	Hooksett	0036-0041-0001	3,009	2,834	5,843
23	Hudson	100-006-000	191,528	179,829	371,357
24	Hudson	167-030-000	788	807	1,594
25	Hudson	167-029-000	752	770	1,522
26	Laconia	425/44/83/1	119,581	134,274	253,855
27	Litchfield	000UTL-000UTL-000001	10,892	11,171	22,063
28	Londonderry	81-7-0	221,407	232,117	453,524
29	Londonderry	81-14-0	19,889	19,464	39,353
30	Loudon	000070-000004-000000	112,584	121,342	233,926
31	Manchester	0999A-0075	992,725	1,031,464	2,024,189
32	Manchester	0752-0001	22,843	24,254	47,097
33	Manchester	0508-0002A	72	76	148
34	Manchester	0394-0004	310	329	639
35	Manchester	0471-0008	529	562	1,091
36	Merrimack	006D-3-000000-000000	180,814	180,650	361,464
37	Milford	036-183-000-000	884	690	1,575
38	Milford	055-007-000-000	56,819	63,292	120,111
39	Nashua	0039-00026	2,676	2,681	5,357
40	Nashua	0038-00063	88	93	181
41	Nashua	0038-00020	139	146	285
42	Nashua	0041-00011	1,122,729		2,159,806
43	Nashua	0000PC-00005	50,409	22,535	72,944
44	Northfield	000999-000001-000001	33,990	35,226	69,216
45	Pembroke	999-11	67,304	51,160	118,464
46	Sanborton	00.003.000.000	1,156	1,969	3,125
47	Tilton	000R23-000013-000000	110,104	108,282	218,386
	Tilton	000R23-000014-000000	13,102	11,615	24,717

Liberty Utilities (EnergyNorth) Adjustments to Test Year Adjustment 7 Property Tax

91

92

Less Education Tax Removal (adjustment to book)

Increase (Decrease) in Property tax expense

					Tax Year			
ie	Municipality	Parcel	Insta	allment #1	Instal	lment #2]	otal Due
	Concord	109/1/2	\$	8,484	\$	8,275	¢	16,759
	Concord	109/1/2	Φ	8,484	Φ	8,275	Ψ	16,759
	Concord	109/1/2		601		586		1,18
	Concord	109/1/3		601		586		1,18
	Concord	109/1/3		6,954		6,783		13,73
	Concord	109/1/4		6,954		6,783		13,73
	Concord	109/2/1		338		330		66
	Concord	109/2/1		338		330		66
	Concord	109/2/3		619		604		1,22
	Concord	109/2/3		619		604		1,22
	Concord	109/2/4		978		954		1,93
	Concord	109/2/4		978		954		1,932
	Concord	NO00/1/13		1,326		1,293		2,61
	Concord	NO00/1/13		1,326		1,293		2,61
	Concord	P000/1/6		228		236		464
	Concord	P000/1/6		228		236		464
	Concord	P000/1/3		30,567		37,111		67,67
	Concord	P000/1/3		30,567		37,111		67,67
	Concord	NO00/1/2		319,552		370,457		690,00
	Concord	NO00/1/2 NO00/1/2		319,552		370,457		690,00
	Concord	202Z/21		276		269		54
	Concord	202Z/21		276		269		54.
	Concord	26/1/6		1,912		1,865		3,77
	Concord	26/1/6		1,912		1,865		3,77
	Concord	494Z/3		315		307		62
	Concord							62
	Concord	494Z/3		315		307		1
	Concord	109/2/4/A 109/2/4/A		6		6 6		
				O				220.70
	State of NH	TRUE UP		(05.0(7		230,708		230,708
	State of NH	NH DRA 1-2		605,067		605,067		1,210,134
	State of NH	NH DRA 3-4		605,067		605,067		1,210,134
	Keene	583038000001000		45,598		43,361		88,95
	Keene	11603900000000		8,012		8,264		16,27
	R&M REALTY	582014000000000		5,249		5,385		10,63
	Keene Propane	047020020000		21,051		20,281		41,33
	State of NH	NH DRA 1-2		3,858		3,858		7,710
	State of NH	NH DRA 3-4	<u> </u>	3,858		3,858		7,710
	Total		\$	5,897,896	\$	6,227,020	\$	12,124,910
	D. F. D T.			12 454 020	-			
	Pro Forma Property Ta		\$	12,454,039	=			
		Utility Property (adjustment to Pro Forma)		3,514				
		ble Count (adjustment to Pro Forma)		230,708				
	Property Tax expense,	1 est y ear		12,404,863				

16,976

(168,070)

Liberty Utilities (EnergyNorth) Adjustments to Test Year Adjustment 8 Income Tax Expense - Historical Test Year

Line	Description	Reference	Amount
1	Test Year Actual to Statutory	Rates	
2			
3	Normalized Revenue	RR-EN-2, line 6	\$ 93,501,690
4	Normalized Expenses, Excluding Income Tax	RR-EN-2, lines 9-15	66,732,986
5	Income (Loss) Before Taxes		\$ 26,768,704
6			
7	Rate Base	RR-1	\$ 346,131,311
8	Debt Portion	RR-4	49.85%
9	Debt Component		172,546,459
10	Debt Cost	RR-4	4.420%
11	Synchronized Interest Expense		7,626,553
12	Pre-Tax Income		\$ 19,142,151
13			
14	Combined Income Tax Rate	Line 20	27.08%
15	Income Tax Expense (Credit) at Statutory Rates		\$ 5,183,694
16	Income Tax Expense (Credit) Recorded		3,709,928
17	Adjustment to Normalize Historical Test Year		\$ 1,473,766
18	•		
19	Federal Statutory Rate		21.00%
20	New Hampshire Business Tax Rate		7.70%
21	Combined Income Tax Rate		27.08%
22			
23	This adjustment normalizes income tax expense in t statutory rates.	he Test Year before adju	istments to reflect

Liberty Utilities (EnergyNorth)
Adjustments to Test Year
Adjustment 9
Income Tax Expense - Pro Forma Test Year at Current Rates

Line	Description	Reference		Adjustment Amount	Items with	Tax Effects
1	Adjustments to increase (decrease) taxable income:				() = Lov	er income
2	Revenue Adjustments	RR-EN-3-1	\$	1,348,864	\$	1,348,864
3	Salary and Wage Expense	RR-EN-3-2		(208,014)		(208,014)
4	Payroll Tax Expense	RR-EN-3-3		(372,220)		(372,220)
5	Pension and Benefits Expense	RR-EN-3-4		498,276		498,276
6	Depreciation Expense	RR-EN-3-5		(1,836,152)		(1,836,152)
7	Amortization Expense	RR-EN-3-6		1,249,970		1,249,970
8	Property Tax	RR-EN-3-7		168,070		168,070
9	Income Tax Expense - Historical Test Year	RR-EN-3-8		(1,473,766)		
10	Income Tax Expense - Pro Forma Test Year at Current Rates	RR-EN-3-9		(347,110)		
11	Other Adjustments	RR-EN-3-10		433,001		433,001
12			\$	(539,082)	\$	1,281,795
13	Tax Rate		-			27.08%
14	Adjustment to Test Year at Current Rates				\$	347,110
15						

¹⁶ This adjustment reflects income tax expense related to the Company's adjustments, computed at statutory rates.

Line	Description	Account		Amount
1	Adjustment for PUC Annual Assessment			
2	Liberty Utilities (ENNG) - Gas		\$	579,781
3	Liberty Utilities (ENNG) - IESR		*	149,295
4	•			,
5	Liberty Utilities (ENNG) - GPSP		\$	39,717
6	Liberty Utilities (ENNG) - PIESR			7,805
7	Regulatory Expenses- Test Year			(813,481)
8				
9				
10	Total PUC Annual Assessment Adjustment Adjustment	count 928	\$	(36,883)
11				
12	Adjustment for Concord Rental Expense Credit			
13	Test Year Concord Training Center Lease Credit		\$	(267,014)
14	Going forward Concord Training Center Lease Credit			(309,651)
15 16				
	T-t-1 C Dt-1 F C12	4 021		(42, (27)
17	Total Concord Rental Expense Credit Adjustment Ac	count 931	\$	(42,637)
18	A l'addition de Daniel Viene Daniel d'a Contra			
19 20	Adjustment to Remove Keene Production Costs Keene Production Cost Adjustment to Remove Keene Production Costs	722	¢.	(110,002)
20		ecount 733	\$ \$	(118,993)
22		count 735	\$ \$	(5,313) (41,034)
23		count 921	\$	(10,202)
24		count 408	Ψ	(41,332)
25	A	200mi 400		(41,332)
26	Total Keene Production Cost Adjustment		\$	(216,874)
27	Total Recite Frontection Cost Aujustinent		Ψ	(210,074)
28	Adjustment to Exclude GSE Related Costs			
29	· ·	count 874	\$	(888)
30		count 870	Ψ	(491)
31				(1, 1)
32	Total GSE Related Cost Adjustment		\$	(1,379)
33	·			
34	Adjustment to Remove NHPUC Penalty Expenses			
35	Penalty Expenses Ad	count 735	\$	(3,500)
36	Ac	count 874		(500)
37	Acc	count 921.4		(3,000)
38	Ac	count 923		(78,000)
39				
40	Total Adjustment to Remove NHPUC Penalty Expenses		\$	(85,000)
41				
42	Adjustment to Remove Lobbying Expense			
43	American Gas Association		\$	(2,955)
44	New England Council			(45)
45				
46	Total Adjustment to Remove Lobbying Expense Ac	count 921	\$	(3,000)
47				
48	Adjustment to Outside Services		_	
49	CBIZ Cottonwood 2018 Removal		\$	(21,025)
50	CBIZ Cottonwood 2019 Addition			26,833
51	K&Y Removal			(4,830)
52	KPMG Removal			(7,296)
53 54	Total Outside Services Adjustment Ac	count 923	\$	(6.210)
	Total Outside Services Adjustment Ac	count 923	<u> </u>	(6,318)
55 56	Adjustment to Demous Non Deservable Advantage Everynous			
56 57	Adjustment to Remove Non-Recoverable Advertising Expenses	1000 mt 000	c	(14.004)
58	S	count 909 count 909	\$ \$	(14,084) (342)
59		count 913	\$ \$	(26,484)
60	Actioning Expenses Act	Count /13	Ψ	(20,404)
61	Total Adjustment for Non-Recoverable Advertising Expenses		\$	(40,910)
01	Total Adjustification from Accordance Advertising Expenses		Ψ	(40,910)

Liberty Utilities (EnergyNorth) Weighted Average Cost of Capital Test Year Ended December 31, 2019

50.15% t 49.85%	4.420%	5.27% 2.20%	27.08%	7.23% 2.20% 9.43%
	t 49.85%		t 49.85% 4.420% 2.20%	t 49.85% 4.420% 2.20%

Liberty Utilities (EnergyNorth) Rate Base - EnergyNorth Balances at December 31, 2019

Line	Description	Reference	Rate Base
1	Utility Plant (Balance at 12/31/2019)	RR-EN-3-5	\$ 641,189,774
2	Depreciation Allowance (Balance at 12/31/2019)	RR-EN-3-5	(204,751,433)
3	Net Utility Plant		\$ 436,438,341
4			
5	Materials and Supplies (Average of 5 Quarterly Balances)	RR-EN-5-1	\$ 5,936,060
6	Customer Deposits (Average of 5 Quarterly Balances)	RR-EN-5-1	(3,019,271)
7			
8	Cash Working Capital	RR-EN-5-2	\$ 3,239,217
9			
10	Deferred Tax Liability, Net (Balance at 12/31/2019)	RR-EN-5-WP1	\$ (58,607,821)
11			
12	Excess Accumulated Deferred Income Taxes	RR-EN-5-WP1	\$ (37,855,214)
13			· · · · · · · · · · · · · · · · · · ·
14	Rate Base		\$ 346,131,311

Liberty Utilities (EnergyNorth) Rate Base Quarterly Balances - EnergyNorth Test Year Ended December 31, 2019

Line	e Description	2018 Q4	2019 Q1	2019 Q2	2019 Q3	2019 Q4	5 Quarter Average
1 2 3	Materials and Supplies	\$ 5,281,934	\$ 5,460,957	\$ 6,220,835	6,712,826	6,003,746	\$ 5,936,060
4 5	Customer Deposits	\$(2,989,774)	\$ (2,978,394)	\$ (3,062,985)	(3,000,070)	(3,065,133)	\$(3,019,271)

Liberty Utilities (EnergyNorth) Cash Working Capital - EnergyNorth Test Year Ended December 31, 2019

Line	Description	Reference	Т	est Year Pro Forma
1	O&M Expenses			
2	Distribution, before Adjustments	RR-EN-2-1	\$	70,442,914
3	Less: Depreciation and Amortization	RR-EN-2-1		(22,314,344)
4	Less: Deferred Income Taxes	RR-EN-2-1-WP		(3,483,997)
5	Known and Measurable Adjustments (excluding depreciation and amortization)	RR-EN-2-1		1,301,764
6			\$	45,946,337
7				
8	Cash Working Capital Required - Days	25.72		7.05%
9				
10	Cash Working Capital Required		\$	3,239,217

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY DISTRIBUTION SERVICE RATE CASE

DOCKET NO. DG 20-105

Staff's Responses to Liberty Utilities' First Set of Data Requests

Date Request Received: March 25, 2021

Date of Response: April 8, 2021

Data Request No.: LU 1-1

Witness: Donna H. Mullinax

Request:

Reference the Direct Testimony of Donna H. Mullinax at Bates 000013, lines 4-13, regarding Staff's adjustment to material and supplies ("M&S"). Please confirm that Witness Mullinax reviewed Energy North's M&S quarterly balances for 2020. If so, please explain why the quarterly balances for 2020 were not addressed.

Response:

The Company used a five-quarter average (M&S balances for December 2018, March 2019, June 2019, September 2019, and December 2019) to calculate the \$5.94 million proposed to be included in rate base. On November 11, 2020, the Company's response to Staff 2-5 provided the monthly M&S balances for the test year and each of the three preceding calendar years. Staff's analysis of this information found significant increases in the M&S balances since the last base rate case. The 2018 balance increased by \$4.9 million, 35.8% over 2017. The 2019 balance increased by \$6.0 million, 25.3% over 2019.

In Staff TS 3-14, Staff asked the Company whether the "Company expects the reason(s) for the increase to continue such that the M&S balance in 2019 is expected during the rate effective period." The Company responded, "No. Pipeline replacement is leveling off and the Company expects to see some improvement in materials planning as a result of move towards an integrated system under SAP." The Company's response was provided on February 24, 2021, and did not state when the pipeline replacement was leveling off or when the Company *expects* to see "some improvement in materials planning as a result of move towards an integrated system under SAP." The response implied a future event (after February 2021). Thus, Staff disregarded the 2020 balances and did not review them.

Since the Company is anticipating the leveling off of pipeline replacement and improvements in material planning process, the amount included within the Company's requested M&S balance should be adjusted to be reflective of the M&S balance expected during the rate-effective period. Staff used the provided historical amounts to normalize the M&S balance.

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty

DG 20-105 Distribution Service Rate Case

Staff Technical Session Data Requests - Set 3

Date Request Received: 2/8/21

Request No. Staff TS 3-14

Date of Response: 2/24/21

Respondent: David Simek

Kenneth Sosnick

REQUEST:

M&S. Reference Staff 2-5. The response provided the monthly balances for M&S items for the test year and each of the three preceding years. Staff's analysis shows the average total balances (for EnergyNorth and Keene) are as follows:

- 2016 \$3.3 million
- 2017 \$3.6 million (7.8% increase over 2016)
- 2018 \$4.9 million (35.8% increase over 2017)
- 2019 \$6.0 million (25.2% increase over 2018)
- a. Please explain the significant increase from 2017 to 2018.
- b. Please explain the significant increase from 2018 to 2019.
- c. Does the Company expect the reason(s) for the increase to continue such that the M&S balance in 2019 is expected during the rate effective period?

RESPONSE:

- a. During 2017, the Company was informed that one of the suppliers of regulators was moving to Mexico. The Company made additional purchases in order to avoid any potential delays in the delivery of meter sets and assemblies arising from the supplier's move. The Company also increased its inventories to accommodate for the expected increase in main replacement associated with the CIBS program.
- b. During 2019, the Company added an additional contractor to provide sufficient resources to meet the increased pipeline replacement. To meet that requirement, the Company purchased additional materials to support the new contractor.
- c. No. Pipeline replacement is leveling off and the Company expects to see some improvements in materials planning as a result of move towards an integrated system under SAP.

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY DISTRIBUTION SERVICE RATE CASE

DOCKET NO. DG 20-105

Staff's Responses to Liberty Utilities' First Set of Data Requests

Date Request Received: March 25, 2021 Date of Response: April 8, 2021 Witness: Donna H. Mullinax

Request:

Reference the Direct Testimony of Witness Mullinax, at Bates 000013 through 000014.

- a. Please explain the use of year-end M&S balances for a rate base recommendation rather than using a five-quarter average or 13-month average approach. Please explain whether Witness Mullinax typically use year-end balances for M&S when making revenue requirement recommendations.
- b. Given the typical construction season in EnergyNorth's service territory due to seasonal climate and ground conditions, please explain whether Staff would expect the M&S balance to be higher or lower at the end of December than compared to the balances required during the construction season.

Response:

a. The Company used a five-quarter average (M&S balances for December 2018, March 2019, June 2019, September 2019, and December 2019) to calculate the \$5.94 million proposed to be included in rate base. Staff's analysis found significant increases in the M&S balances since the last base rate case. The 2018 balance increased by \$4.9 million, 35.8% over 2017. The 2019 balance increased by \$6.0 million, 25.3% over 2019.

In Staff TS 3-14, Staff asked the Company whether the "Company expects the reason(s) for the increase to continue such that the M&S balance in 2019 is expected during the rate effective period." The Company responded, "No. Pipeline replacement is leveling off and the Company *expects* to see some improvement in materials planning as a result of move towards an integrated system under SAP."

Based upon the Company's response, Staff determined that the Company's proposed five-quarter average M&S balance of \$5.94 million would not be reflective of the M&S balance expected during the rate-effective period and that an adjustment was appropriate.

In selecting the basis for an adjustment, Staff considered several approaches in determining the M&S balance to be included in rate base. The 2020 M&S balances were disregarded. The Company's response to Staff TS 3-14 (provided on February 24, 2021) stated that pipeline replacement is leveling off and that additional improvements were *expected*, and thus Staff assumed them to have not been realized yet. Staff considered using (1) the average of three-year end balances (December 2017, December 2018, and

December 2019); (2) the average of three 13-month averages; and (3) a 36-month average. The results of that analysis are shown below.

Method	Amount	Dif	ference from Company Proposed Balance
5-Quarter Average Used by Company	\$ 5,936,060		
Average of 3 Year End Balances Recommended by Staff	\$ 5,086,828	\$	(849,231)
3 - 13 Month Averages	\$ 4,851,297	\$	(1,084,762)
36 Month Average	\$ 4,908,650	\$	(1,027,410)

Staff selected the average of three-year end balances to develop a proxy for the M&S balance during the rate effective period. Use of the other methods would have resulted in a larger adjustment.

b. Assuming good inventory control practices, Staff would expect M&S balances to be higher during the construction season.

2

048

Energy North	NH Gas Co	
77,557,708	692,196	78,249,904
48,163,464	-	
27,075,097	-	27,075,097
20,964,352	-	20,964,352
124,016	-	124,016
21,625,753	-	
21,625,753	-	21,625,753
2,499,338	-	
486,876	-	486,876
2,012,462	-	2,012,462
1,157,159	-	
425,019	-	425,019
732,140	-	732,140
4,111,994	692,196	
3,444,180	692,196	4,136,376
667,813	-	667,813
	77,557,708 48,163,464 27,075,097 20,964,352 124,016 21,625,753 21,625,753 2,499,338 486,876 2,012,462 1,157,159 425,019 732,140 4,111,994 3,444,180	77,557,708 692,196 48,163,464 - 27,075,097 - 20,964,352 - 124,016 - 21,625,753 - 21,625,753 - 2,499,338 - 486,876 - 2,012,462 - 1,157,159 - 425,019 - 732,140 - 4,111,994 692,196 3,444,180 692,196

FUNCTIONAL COST STUDY SUMMARY OF RESULTS

Line

No.	Description	:	System Total		Delivery Costs	D	irect Gas Costs		LPG & LNG	Misc	Pro	duction Costs
	(A)		(B)		(C)		(D)		(E)	(F)	-	(G)
	Rate Base											
1	Plant in Service	\$	641,189,774	\$	631,599,724	\$	-	\$	9,590,051 \$	-	\$	9,590,051
2	Accumulated Reserve		(204,751,433)		(200,951,293)		-		(3,800,140)	-		(3,800,140
3	Other Rate Base Items		(90,307,030)		(89,340,674)		-		(987,780)	21,425		(966,355
4	Total Rate Base	\$	346,131,311	\$	341,307,756	\$	-	\$	4,802,130 \$	21,425	\$	4,823,555
	Revenues at Current Rates											
5	Sales Revenue	\$	93,643,178	\$	91,649,591	\$	-	\$	1,980,418		\$	1,993,587
6	Miscellaneous Revenues		1,207,376		1,206,507		-		800	69		869
7	Total Revenues	\$	94,850,554	\$	92,856,098	Ş	-	\$	1,981,218 \$	13,238	\$	1,994,456
	Expenses at Current Rates											
8	Operations & Maintenance Expenses	\$	29,706,094	\$	27,196,266	\$	-	\$	2,225,393 \$		\$	2,509,828
9	Depreciation Expense		22,900,526		22,208,248		-		661,449	30,828		692,277
10	Taxes Other Than Income Taxes Interest on Customer Deposits		14,193,436 -		13,841,955		-		351,481 -	-		351,481 -
11	Total Expenses - Current	\$	66,800,055	\$	63,246,469	\$	-	\$	3,238,323 \$	315,264	\$	3,553,587
12	Total Income Taxes	\$	5,530,804	\$	5,981,798	\$	-	\$	(369,077) \$	(81,916)	\$	(450,993
13	Current Operating Income	\$	22,519,695	\$	23,627,832	\$	-	\$	(888,028) \$	(220,109)	\$	(1,108,137
14	Return at Current Rates		6.51%	_	6.92%		0 00%		-18.49%	-1027.35%		-22.97%
15	Index Rate of Return		1.00		1.06		-		(2.84)	(157.91)		(3.53
	Revenue Requirement at Equal Rates of Return											
16	Required Return		7.47%		7.47%		7.47%		7.47%	7.47%		7.47%
17	Required Operating Income	\$	25,856,009	\$	25,495,689	Ś	-	Ś	358,719 \$	1,600	\$	360,320
18	Operating Income (Deficiency)/Surplus	\$	(3,336,314)	\$	(1,867,858)			\$	(1,246,747) \$		\$	(1,468,456)
	Expenses at Required Return											
10	·	Ś	29,706,094	<u> </u>	27,196,266	Ś		Ś	2,225,393	204.425		2 500 020
19	Operations & Maintenance Expenses	Ş		\$		>	-	Þ		•	\$	2,509,828
20	Depreciation Expense		22,900,526		22,208,248		-		661,449	30,828		692,277
21	Taxes Other than Income		14,193,436		13,841,955		-		351,481	-		351,481
22	Interest on Customer Deposits				-				-			
23	Total Expenses Required	\$	66,800,055	\$	63,246,469	\$	-	\$	3,238,323 \$	315,264	\$	3,553,587
24	Income Taxes	\$	6,769,798	\$	6,675,456	\$	-	\$	93,922 \$	419	\$	94,341
25	Total Revenue Requirement at Equal Return	\$	99,425,862	\$	95,417,615	\$	-	\$	3,690,964 \$	317,283	\$	4,008,247
26	Revenue (Deficiency)/Surplus	\$	(4,575,308)	\$	(2,561,517)	Ċ		\$	(1,709,747) \$	(304,045)	\$	(2,013,791
20	Mevenue (Deniciency)/ Jui plus	ې	(4,373,306)	Ş	(2,301,317)	ş	-	ڔ	(1,/UJ,/4/) Þ	(304,043)	۶	(2,013,/91

Line No.	Description	LPG	i & LNG Costs	F	Misc. Production Costs	Debts Excl. G & LNG	W	as Cost /orking Capital	To	otal Indirect Costs
	(A)		(B)		(C)	(D)		(E)		(F)
	Summary of Results at Present Rates									
	Rate Base									
1	Gas Plant in Service	\$	9,590,051	\$	-	\$ -	\$	-	\$	9,590,051
2	Accumulated Reserve		(3,800,140)		-	-		-		(3,800,140)
3	Net Utility Plant in Service	\$	5,789,911	\$	-	\$ -	\$	-	\$	5,789,911
	Other Rate Base Items:									
4	Fuel Stock	\$	-	\$	-	\$ -	\$	-	\$	-
5	Materials and Supplies		77,309.14	\$	-	\$ -	\$	-		77,309.14
6	Gas Stored Underground		-		-	-		-		-
7	LNG Inventory		-		-	-		-		-
8	Cash Working Capital		191,211		21,425	-		-		212,636
9	Accumulated Deferred Income Taxes		(763,288)		-	-		-		(763,288)
10	Excess Accum. Deferred Income Taxes		(493,013)		-	 -		-		(493,013)
11	Total Rate Base	\$	4,802,130	\$	21,425	\$ -	\$	-	\$	4,823,555
	Revenues									
12	Total Sales Revenue	\$	1,980,418	\$	13,170	\$ -	\$	-	\$	1,993,587
13	Other Operating Revenues		800		69	 -		-		869
14	Total Operating Revenues	\$	1,981,218	\$	13,238	\$ -	\$	-	\$	1,994,456
	Expenses									
15	Purchased Gas Costs	\$	-	\$	-	\$ -	\$	-	\$	-
16	Other O&M excl. Uncollectible		2,162,998		279,072	-		-		2,442,070
17	Uncollectible Expense		62,395		-	5,364		-		67,758
18	Depreciation Expense		661,449		30,828	-		-		692,277
19	Other Taxes		351,481		-	-		-		351,481
20	Income Taxes		(369,077)		(80,464)	 (1,453)		-		(450,993)
21	Total Operating Expenses	\$	2,869,246	\$	229,436	\$ 3,911	\$	-	\$	3,102,593
22	Operating Income	\$	(888,028)	\$	(216,198)	\$ (3,911)	\$	-	\$	(1,108,137)
23	Rate of Return		-18.49%		-1009.10%	0.00%		0.00%		-22.97%
24	Index Rate of Return		1.00		54.57	-		-		1.24
25	Net Revenues	\$	1,980,418	\$	13,170	\$ -	\$	-	\$	1,993,587

Line No.	No. Description	LPG	i & LNG Costs	P	Misc. roduction Costs	Debts Excl. G & LNG	W	as Cost /orking Capital	To	otal Indirect Costs
	(A)		(B)		(C)	 (D)		(E)		(F)
	Summary of Results at Claimed Rates									
	Rate Base									
26	Gas Plant in Service	\$	9,590,051	\$	-	\$ -	\$	-	\$	9,590,051
27	Accumulated Reserve		(3,800,140)		-	-		-		(3,800,140)
28	Net Utility Plant in Service	\$	5,789,911	\$	-	\$ -	\$	-	\$	5,789,911
	Other Rate Base Items:									
29	Fuel Stock	\$	-	\$	-	\$ -	\$	-	\$	-
30	Materials and Supplies		77,309							77,309
31	Gas Stored Underground		-							-
32	LNG Inventory		-							-
33	Cash Working Capital		191,211		21,425	-		-		212,636
34	Accumulated Deferred Income Taxes		(763,288)		-	-		-		(763,288)
35	Excess Accum. Deferred Income Taxes		(493,013)							(493,013)
36	Total Rate Base	\$	4,802,130	\$	21,425	\$ -	\$	-	\$	4,823,555
37	Required Rate of Return		7.47%		7.47%	7.47%		7.47%		7.47%
38	Required Operating Income	\$	358,719	\$	1,600	\$ -	\$	-	\$	360,320
	Expenses									
39	Purchased Gas Costs	\$	-	\$	-	\$ -	\$	-	\$	-
40	Other O&M excl. Uncollectible		2,162,998		279,072	-		-		2,442,070
41	Uncollectible Expense		62,395		-	5,364		-		67,758
42	Depreciation Expense		661,449		30,828	-		-		692,277
43	Other Taxes		351,481		-	 -		-		351,481
44	Total Expenses Required	\$	3,238,323	\$	309,900	\$ 5,364	\$	-	\$	3,553,587
45	Income Taxes		93,922		419	 (0)		-	\$	94,341
46	Total Rev.Req. at Required Return	\$	3,690,964	\$	311,920	\$ 5,363	\$	-	\$	4,008,247
	Revenues									
47	Total Sales Revenue	\$	3,690,164	\$	311,851	\$ 5,363	\$	-	\$	4,007,379
48	Other Operating Revenues		800		69			-		869
49	Total Operating Revenues	\$	3,690,964	\$	311,920	\$ 5,363	\$	-	\$	4,008,247

			Delivery Co	sts			Direct Ga	s Costs	
Account Description	Amount Alloc. Factor	DEM	cus	сом	TOTAL	DEM	cus	сом	TOTAL
RATE BASE									
Plant in Service									
Intangible Plant									
Misc. Intangible Plant	17,059,198 LABOR	8,865,727	6,749,844		15,615,571	_	-	-	
Sub-total	17,310,148	8,996,147	6,849,138		15,845,285		_	_	
		,,			.,.,				
Production Plant									
Production Plant EN	5,216,322 DPROD	453,820	-	-	453,820	-	-	-	-
Production Plant Keene	- DPROD_K		-	-		-	-	-	-
Sub-total	5,216,322	453,820			453,820		-	-	-
Distribution Plant									
Land & Land Rights	- DIST	-	-	-	-	-	-	-	-
M&R Stations	- DIST	-	-	-	-	-	-	-	-
Mains	11,740,462 DIST	11,740,462	-	-	11,740,462	-	-	-	-
Compressor Station Equipment	2,246,186 DIST	2,246,186	-	-	2,246,186	-	-	-	-
M&R Stations	7,435,290 DIST	7,435,290	-	-	7,435,290	-	-	-	-
Services	178,923,785 CUST	-	178,923,785	-	178,923,785	-	-	-	-
Meters & Meter Installations	21,117,103 CUST	-	21,117,103	-	21,117,103	-	-	-	-
Other Equipment	2,677,770 DIST	2,677,770	-	-	2,677,770	-	-	-	-
Sub-total	578,926,765	352,824,153	226,102,612	-	578,926,765	-	-	-	
General Plant									
Land & Land Rights	121,489 LABOR	63,138	48,070	-	111,208	-	-	-	-
Structures & Improvements	22,653,117 LABOR	11,772,907	8,963,200	-	20,736,107	-	-	-	-
Office Furniture & Equipment	2,403,092 LABOR	1,248,896	950,836	-	2,199,732	-	-	-	
Transportation Equipment	8,007,116 LABOR	4,161,327	3,168,190	-	7,329,517	-	-	-	-
Stores Equipment	138,142 LABOR	71,793	54,659	-	126,452	-	-	-	
Tools, Shop & Garage Equip.	3,339,457 LABOR	1,735,528	1,321,329	-	3,056,857	-	-	-	
Laboratory Equip.	- LABOR	· · · · -		-	-	-	-	-	-
Power Operated Equip.	1,378,752 LABOR	716,542	545,533	-	1,262,075	-	-	-	-
Communication Equip.	892,402 LABOR	463,785	353,098	-	816,883	-	-	-	-
Miscellaneous Equip.	802,973 LABOR	417,308	317,714	-	735,022	-	-	-	-
Sub-total Sub-total	39,736,540	20,651,224	15,722,630	-	36,373,854	-	-	-	
TOTAL PLANT-IN-SERVICE	641,189,774	382,925,343	248,674,380		631,599,724				
TOTAL PLANT-IN-SERVICE	641,189,774	382,925,343	248,674,380	-	631,599,724	-			-
Accumulated Reserve for Depreciation									
Intangible Plant									
Misc. Intangible Plant	(13,560,761) LABOR	(7,047,577)	(5,365,611)		(12,413,188)	-	-	-	-
Sub-total Sub-total	(13,560,761)	(7,047,577)	(5,365,611)		(12,413,188)				
	, ,, , ,		1-77- 7		. , ., .,				
Production Plant									
Production Plant	(1,837,129) DPROD	(159,830)	-	-	(159,830)	-	-	-	
Production Plant Keene	- DPROD_K		-	-		-	-	-	
Sub-total Sub-total	(1,837,129)	(159,830)	-		(159,830)	-	-	-	
Distribution Plant									
Land & Land Rights	- DIST	-	-	-		-	-	-	
M&R Stations	83,294 DIST	83,294	-	-	83,294	-	-	-	-
Mains	(404,274) DIST	(404,274)		-	(404,274)	-	-	-	-
Compressor Station Equipment	(192,723) DIST	(192,723)	-	-	(192,723)	-	-	-	-
M&R Stations	(4,358,391) DIST	(4,358,391)	-	-	(4,358,391)	-	-	-	-
Services	(85,611,484) DIST	(85,611,484)	-	-	(85,611,484)	-	-	-	-
Meters & Meter Installations	(7,401,085) DIST	(7,401,085)		-	(7,401,085)	-	-	-	
Meters Installations	(4,122,684) CUST		(4,122,684)	-	(4,122,684)	-	-	-	
Land & Land Rights	- CUST	-	-	-		-	-	-	-
Structures and Improvements	(460,293) CUST	-	(460,293)	-	(460,293)	-	-	-	
Other Equipment	(2,400,155) DIST	(2,400,155)	-	-	(2,400,155)	-	-	-	
Other Equipment	(1,078,797) DIST	(1,078,797)	-	-	(1,078,797)	-	-	-	
Measuring and Regulating Station Equipment	18,159 DIST	18,159	-	-	18,159	-	-	-	
Dist-Measuring and regulating station equipment-Ci	(1,321,095) DIST	(1,321,095)	-	-	(1,321,095)	-	-	-	
Indust meas and reg station equip	(4,103) DIST	(4,103)	-	-	(4,103)	-	-	-	
Structures and Improvements	(213,309) DIST	(213,309)	-	-	(213,309)	-	-	-	
~	- ~		-	-		-	-	-	
~	- ~	-	-	-	-	-	-	-	
~	- ~	-	-	-	-	-	-	-	
~	- ~	-	-	-	-	-	-	-	-
~	- ~	-	-	-	-	-	-	-	-
~	- ~	-	-	-	-	-	-	-	-
~	- ~	-	-	-	-	-	-	-	-
Sub-total	(177,828,890)	(173,245,912)	(4,582,977)	-	(177,828,890)	-	-	-	-

				LPG & LN	G			Misc		
Account Description	Amount	Alloc. Factor	DEM	CUS	сом	TOTAL	DEM	CUS	сом	TOTAL
RATE BASE										
Plant in Service										
Plant in Service										
Intangible Plant										
Misc. Intangible Plant	17,059,198	LABOR	1,443,627	-	-	1,443,627	-	_	-	_
Sub-total	17,310,148		1,464,863			1,464,863			-	-
Production Plant										
Production Plant EN	5,216,322		4,762,502	-	-	4,762,502	-	-	-	-
Production Plant Keene Sub-total	5,216,322	DPROD_K	4,762,502	-	-	4,762,502	-	-	-	-
Sub-totul	3,210,322		4,702,302	•	-	4,702,302	-	-	-	-
Distribution Plant										
Land & Land Rights	-	DIST	-	-	-	-	-	-	-	-
M&R Stations		DIST	-	-	-	-	-	-	-	-
Mains	11,740,462		-	-	-	-	-	-	-	-
Compressor Station Equipment	2,246,186	DIST	-	-	-	-	-	-	-	-
M&R Stations Services	7,435,290 178,923,785	CLICT	-	-	-	-	-	-	-	-
Meters & Meter Installations	21,117,103				-	-		-		
Other Equipment	2,677,770							-	-	
Sub-total	578,926,765		-	-	-		-	-	-	-
General Plant										
Land & Land Rights Structures & Improvements	121,489 22,653,117		10,281 1,917,009	-	-	10,281 1,917,009	-	-	-	-
Office Furniture & Equipment	22,653,117		1,917,009	-	-	1,917,009	-		-	
Transportation Equipment	8,007,116		677,598			677,598		-		-
Stores Equipment	138,142		11,690			11,690		-	-	
Tools, Shop & Garage Equip.	3,339,457		282,600	-	-	282,600	-	-	-	-
Laboratory Equip.		LABOR	-	-	-	-	-	-	-	-
Power Operated Equip.	1,378,752		116,676	-	-	116,676	-	-	-	-
Communication Equip.	892,402 802,973		75,519 67,951	-	-	75,519	-	-	-	-
Miscellaneous Equip. Sub-total	39,736,540	LABUK	3,362,686	-	-	67,951 3,362,686	-	-	-	
Sub-total	33,730,340		3,302,000	-	-	3,302,000	-	_	-	-
TOTAL PLANT-IN-SERVICE	641,189,774		9,590,051	-	-	9,590,051	-	-	-	-
Accumulated Reserve for Depreciation										
Intangible Plant Misc. Intangible Plant	(13,560,761)	LABOR	(1,147,573)			(1,147,573)				
Sub-total	(13,560,761)	LABUR	(1,147,573) (1,147,573)	-	-	(1,147,573) (1,147,573)		-	-	-
Sub-total	(13,300,701)		(1,147,373)			(1,147,373)				
Production Plant										
Production Plant	(1,837,129)		(1,677,299)	-	-	(1,677,299)	-	-	-	-
Production Plant Keene		DPROD_K	-	-	-	-	-	-	-	-
Sub-total	(1,837,129)		(1,677,299)	-	-	(1,677,299)	-	-	-	-
Distribution Plant										
Land & Land Rights	-	DIST	_	-	-	-	-	_	-	_
M&R Stations	83,294		-	-	-	-	-	-	-	-
Mains	(404,274)		-	-	-	-	-	-	-	-
Compressor Station Equipment	(192,723)		-	-	-	-	-	-	-	-
M&R Stations	(4,358,391)		-	-	-	-	-	-	-	-
Services Meters & Meter Installations	(85,611,484) (7,401,085)		-	-	-	-	-	-	-	-
Meters Installations	(4,122,684)				-	-		-		
Land & Land Rights		CUST	-	-	-	-	-	-	-	-
Structures and Improvements	(460,293)		-	-	-	-	-	-	-	-
Other Equipment	(2,400,155)		-	-	-	-	-	-	-	-
Other Equipment	(1,078,797)		-	-	-	-	-	-	-	-
Measuring and Regulating Station Equipment Dist-Measuring and regulating station equipment-Ci	18,159 (1,321,095)		-	-	-	-	-		-	
Indust meas and reg station equip	(4,103)	DIST	-	-	-	-	-		-	-
Structures and Improvements	(213,309)		-	-	-		-		-	_
~	-	~	-	-	-	-	-	-	-	-
~	-		-	-	-	-	-	-	-	-
~	-	~	-	-	-	-	-	-	-	-
~	-	~	-	-	-	-	-	-	-	-
~	-		-	-	-	-	-	-	-	-
~			-	-	-	-	-	-	-	
Sub-total	(177,828,890)			-	-		-	-	-	-

				Delivery Co	ists			Direct G	as Costs	
Account Description	Amount	Alloc. Factor	DEM	CUS	COM	TOTAL	DEM	CUS	COM	TOTAL
General Plant										
Land & Land Rights		0			-		-	-	-	-
Structures & Improvements	(5,560,061)		(2,889,584)	(2,199,960)	-	(5,089,543)	-	-	-	-
Office Furniture & Equipment	(157,522)		(81,865)	(62,327)	-	(144,192)	-	-	-	-
Transportation Equipment	(3,649,940)		(1,896,887)	(1,444,178)	-	(3,341,065)	-	-	-	-
Stores Equipment	(35,198)		(18,293)	(13,927)	-	(32,219)	-	-	-	-
Tools, Shop & Garage Equip. Laboratory Equip.	(754,055)	LABOR	(391,885)	(298,358)	•	(690,244)	-	-	-	-
Power Operated Equip.	(683,509)		(355,222)	(270,445)	•	(625,667)	-	-	-	-
Communication Equip.	(433,204)		(225,138)	(171,407)		(396,544)				
Miscellaneous Equip.	(251,165)		(130,531)	(99,379)	-	(229,910)				
Other		PLANT	(130,331)	(33,373)	-	(225,510)				
Sub-total	(11,524,653)		(5,989,404)	(4,559,981)	-	(10,549,385)	-	-	-	-
TOTAL DEPRECIATION ACCRUAL	(204,751,433)		(186,442,724)	(14,508,570)	-	(200,951,293)				
NET PLANT	436,438,341		196,482,620	234,165,811	_	430,648,430	_			-
Rate Base Adjustments										
Additions										
Fuel Stock		PDGPLT	-	-	-	-	-	-	-	-
Gas Materials and Supplies	5,936,060	PDGPLT	3,557,843	2,300,907	-	5,858,751	-	-	-	-
Gas Stored Underground - Current A/C 164		PDGPLT	-	-	-	-	-	-	-	-
LNG Inventory - Current A/C 164		PDGPLT	-	-	-	-	-	-	-	-
Gas Stored Underground - Non-Current A/C 117		PDGPLT	-	-	-	-	-	-	-	-
Cash Working Capital (Other)	3,239,217		1,842,826	1,164,663	19,092	3,026,581	-	-	-	-
Prepayments		PDGPLT	-	-	-	-	-	-	-	-
Sub-total	9,175,276		5,400,669	3,465,570	19,092	8,885,331	-	-	-	-
Deductions										
Customer Deposits	(3,019,271)	CUST	-	(3,019,271)	-	(3,019,271)	-	-	-	-
Excess Accum. Deferred Income Taxes	(37,855,214)		(22,688,944)	(14,673,257)	-	(37,362,201)	-	-	-	-
Accum. Deferred Income Taxes	(58,607,821)		(35,127,250)	(22,717,284)	-	(57,844,533)	-	-	-	-
~		~	-	-	-	-	-	-	-	-
~	-		-	-	-	-	-	-	-	-
~		~	-	-	-	-	-	-	-	-
~	-	~	-	-	-	-	-	-	-	-
~	-	~	-	-	-	-	-	-	-	-
~		~	-	-	-	-	-	-	-	-
~		~	•	-	-	-	-	-	-	-
-	-	~	-	-	-	-	-	-	-	-
_		-	-	-	-	-	-	-	-	-
~	-	~	-	-	-	-	-	-	-	-
~	•	~	•	•	•	•	-	-	-	-
~		~								
~		~								
~		~								
~		~			-					
~		~								
~		~	-							
~		~		-	-		-	-		
Sub-total	(99,482,306)		(57,816,193)	(40,409,812)	-	(98,226,006)	-	-	-	-
TOTAL RATE BASE ADJ.	(90,307,030)		(52,415,524)	(36,944,242)	19,092	(89,340,674)	-	-	-	-
TOTAL RATE BASE	346,131,311		144,067,096	197,221,569	19,092	341,307,756				

				IDC 9	ING			NA		
Account Description	Amount	Alloc. Factor	DEM	LPG &	COM	TOTAL	DEM	CUS	COM	TOTAL
Account Description	Amount	Alloci i detoi	22	203	2011	101712	52	200	20	101712
General Plant										
Land & Land Rights	-	0	-	-	-	-	-	-	-	-
Structures & Improvements	(5,560,061) l		(470,518)	-	-	(470,518)	-	-	-	-
Office Furniture & Equipment	(157,522) l		(13,330)	-	-	(13,330)	-	-	-	-
Transportation Equipment	(3,649,940) L		(308,874)	-	-	(308,874)	-	-	-	-
Stores Equipment	(35,198) l		(2,979)	-	-	(2,979)	-	-	-	-
Tools, Shop & Garage Equip.	(754,055) l		(63,812)	-	-	(63,812)	-	-	-	-
Laboratory Equip.		ABOR	-	-	-	-	-	-	-	-
Power Operated Equip.	(683,509) L		(57,842)	-	-	(57,842)	-	-	-	-
Communication Equip.	(433,204) L		(36,660)	-	-	(36,660)	-	-	-	-
Miscellaneous Equip.	(251,165) l		(21,255)	-	-	(21,255)	-	-	-	-
Other Sub-total	- + (11,524,653)	PLANT	(975,268)			(975,268)				
TOTAL DEPRECIATION ACCRUAL	(204,751,433)		(3,800,140)	•	-	(3,800,140)		-		
NET PLANT	436,438,341		5,789,911		-	5,789,911	-		-	-
Rate Base Adjustments										
Additions										
Fuel Stock	- 1	PDGPLT						-		
Gas Materials and Supplies	5,936,060 F		77,309	-	-	77,309	-	-	-	-
Gas Stored Underground - Current A/C 164		PDGPLT		-	-		-	-	-	-
LNG Inventory - Current A/C 164		PDGPLT	-	-	-		-	-	-	-
Gas Stored Underground - Non-Current A/C 117	- F	PDGPLT	-	-	-		-	-	-	-
Cash Working Capital (Other)	3,239,217 (OMEXPX	191,211	-	-	191,211	-	-	21,425	21,425
Prepayments		PDGPLT		-	- `		-	-		
Sub-total	9,175,276		268,520	-	-	268,520	-	-	21,425	21,425
Deductions										
Customer Deposits	(3,019,271)	THET								
Excess Accum. Deferred Income Taxes	(37,855,214) F		(493,013)			(493,013)				
Accum. Deferred Income Taxes	(58,607,821) F		(763,288)			(763,288)				
~	(30,007,021)		(703,200)			(703,200)				
~										
~										
~										
~										
~										
~										
~										
~										
~						_		-	-	-
~						_		-	-	-
~		~		_	_	_		_		-
~		~		_	_	_		_		-
~		~		_	_	_		_		-
~		~		_	_	_		_		-
~		~		_	_	_		_		-
~		~		_	_	_		_		-
~		~		_	_	_		_		-
~		~		_	_	_		_		-
Sub-total	(99,482,306)		(1,256,300)	-	-	(1,256,300)	-	-	-	-
TOTAL RATE BASE ADJ.	(90,307,030)		(987,780)	•	-	(987,780)	-	-	21,425	21,425
TOTAL RATE BASE	346,131,311		4,802,130	-	-	4,802,130	-	-	21,425	21,425

			Delivery Co	elivery Costs			Direct Ga	s Costs	
Account Description	Amount Alloc. Factor	DEM	cus	сом	TOTAL	DEM	CUS	сом	TOTAL
EXPENSES									
O & M Expenses									
Production (LPG LNG) - Operation									
Supervision	990,089 DPROD	86,138		-	86,138		-	-	-
LPG - Production	- DPROD	-							
LPG - Materials	- DPROD	-	-	-	-	-	-	-	-
Gas Mixing & Misc Exp - Keene	64,037 DPROD	5,571			5,571				
Misc. Prod. Exp.	469,719 DPROD	40,866			40,866				
Operation Labor & Expenses	- DPROD	-			-				
Other	26,120 DPROD	2,272	_		2,272		_		_
Indirect Expenses	- INDIRECT	_,	_		_,		_		_
Sub-total	1,549,966	134,847			134,847				
Sub total	2,3-13,300	15-,0-7			13-1,0-17				
Production (LPG LNG) - Maintenance									
Maint. of Prod. Equip	119,531 DPROD	10,399			10,399		_		
Sub-total	119,531	10,399			10,399				
Sub-totui	115,531	10,333	•		10,333		•	-	•
Total Production	1,669,496	145,246			145,246				
Total Floadction	1,003,430	143,240	•		143,240		•	-	•
Purchased Gas Expenses									
Gas Supply	- GASCOST								
		-	•	•	-	-	-	-	-
Storage Gas	- GASCOST	-	-	-	-	-	-	-	-
Other Gas Supply	- GASSPLY	-	-	-	-	-	-	-	-
Sub-total	-	-			-	-	-	-	-
Bright de German									
Distribution Operation Expenses									
Operation Supervision & Engineering	540,518 DISTOPX	442,600	97,918		540,518	-	-	-	
Distribution Load Dispatch	583,704 DIST	583,704	-	-	583,704	-	-	-	-
Mains & Services Expenses	5,681,636 DIST	5,681,636	-	-	5,681,636	-	-	-	-
M&R Station Expenses - General	- DIST	-	-	-	-	-	-	-	-
M&R Station Expenses - Industrial	- DIST	-	-	-	-	-	-	-	-
Meter & House Regulator Expenses	1,133,075 CUST	-	1,133,075	-	1,133,075	-	-	-	-
Customer Installation Expenses	638,150 CUST	-	638,150	-	638,150	-	-	-	-
Other Expenses	1,730,199 DIST	1,730,199	-	-	1,730,199	-	-	-	-
Rents	10,618 DIST	10,618	-	-	10,618	-	-	-	-
Sub-total	10,317,899	8,448,756	1,869,143	-	10,317,899	-	-	-	-
Distribution Maintenance Expenses									
Maint. Supervision & Engineering	- DISTMNX	-	-	-	-	-	-	-	-
Maint. of Structures & Improv.	149,261 DIST	149,261	-	-	149,261	-	-	-	-
Maint. of Mains	2,671,929 DIST	2,671,929	-	-	2,671,929	-	-	-	-
Maint. of M&R Station Equip General	- DIST		-	-	-	-	-	-	-
Maint. of Services	465,285 CUST		465,285	-	465,285	-	-	-	-
Maint. of Meters & House Regulators	354,765 CUST		354,765	-	354,765		-	-	-
Maint. of Other Equip.	346,584 DIST	346,584			346,584				
Sub-total	3,987,825	3,167,775	820,051		3,987,825		_		
		·, · , ·							
Total Distribution	14,305,724	11,616,531	2,689,194		14,305,724				
		,,	-,,						

			LPG 8	k LNG			Miso		
Account Description	Amount Alloc. Fact	or DEM	cus	сом	TOTAL	DEM	cus	сом	TOTAL
EXPENSES									
EAFERSES									
O & M Expenses									
Production (LPG LNG) - Operation									
Supervision	990,089 DPROD	903,952	-	-	903,952	-	-	-	-
LPG - Production	- DPROD	-	-	-	-	-	-	-	-
LPG - Materials	- DPROD	-	-	-	-	-	-	-	-
Gas Mixing & Misc Exp - Keene	64,037 DPROD	58,466	-	-	58,466	-	-	-	-
Misc. Prod. Exp.	469,719 DPROD	428,854	-	-	428,854	-	-	-	-
Operation Labor & Expenses	- DPROD	-	-	-	-	-	-	-	-
Other	26,120 DPROD	23,847	-	-	23,847	-	-	-	-
Indirect Expenses	- INDIRECT	-	-		-	-	-	-	-
Sub-total Sub-total	1,549,966	1,415,119	-	-	1,415,119	-	-	-	-
Production (LPG LNG) - Maintenance									
Maint. of Prod. Equip	119,531 DPROD	109,132			109,132			-	
Sub-total Sub-total	119,531	109,132			109,132		-	-	-
		-			•				
Total Production	1,669,496	1,524,250	-	-	1,524,250	-	-	-	-
Purchased Gas Expenses									
Gas Supply	- GASCOST	-	-	-	-	-	-	-	-
Storage Gas	- GASCOST	-	-	-	-	-	-	-	-
Other Gas Supply	- GASSPLY	-	-	-	-	-	-	-	-
Sub-total Sub-total	-	-	-	-	-	-	-	-	-
Distribution Operation Expenses									
Operation Supervision & Engineering	540,518 DISTOPX	-							
Distribution Load Dispatch	583,704 DIST	-							
Mains & Services Expenses	5,681,636 DIST	-							
M&R Station Expenses - General	- DIST	-							
M&R Station Expenses - Industrial	- DIST	-							
Meter & House Regulator Expenses	1,133,075 CUST	-	_	_	-	_		_	_
Customer Installation Expenses	638,150 CUST	-							
Other Expenses	1,730,199 DIST	-							
Rents	10,618 DIST	_		_		_	_	_	_
Sub-total	10,317,899	-	-	-		-	-	-	-
Distribution Maintenance Expenses									
Maint. Supervision & Engineering	- DISTMNX	_							
Maint. of Structures & Improv.	149,261 DIST	-				-	-	-	-
Maint. of Mains	2,671,929 DIST	-			-		-		
Maint. of M&R Station Equip General	- DIST	-			-		-		
Maint. of Services	465,285 CUST	_		_	-	_	_	_	_
Maint. of Meters & House Regulators	354,765 CUST	_	-	-	-	-	-	-	
Maint. of Other Equip.	346,584 DIST								
Sub-total	3,987,825		-	-		-	-	-	-
Jan-totui	3,307,023	•	-	•	•	-	•		-
Total Distribution	14,305,724	-	-	-	-	-	-	-	-

						Direct Gas Costs			
Account Description	Amount Alloc. Factor	DEM	cus	сом	TOTAL	DEM	cus	сом	TOTAL
Customer Account									
	DAC CED CACCEY		246.650		246.650				
Supervision	246,658 CACCTX	-	246,658 327,602	-	246,658 327,602	-	-	-	-
Meter Reading	327,602 CUST 2,757,111 CUST	-	2,757,111		2,757,111	-	-	-	-
Customer Records & Collection		-	2,/5/,111	1 (12 012	1,613,012	-	-	-	-
Uncollectable Accounts - Delivery	1,613,012 PREV_DEL 67,758 PREV PROD	-	•	1,613,012	1,013,012	-	-	-	-
Uncollectable Accounts - Production		-	42.047	-	42.047	-	-	-	-
Misc. Customer Accounts Sub-total	13,047 CUST 5,025,189		13,047 3,344,419	1,613,012	13,047 4,957,430	-	-	-	-
Customer Service & Information Expenses	91 722 CUST		81,733		81,733				
Informational and Instructional Advertisign Expenses	81,733 CUST	-				-	-	-	-
Misc Customer Assistance Expense	15,180 CUST	-	15,180	-	15,180	-	-	-	-
Sub-total	96,913	-	96,913	•	96,913	-	-	-	
Sales Expenses									
Demostrating & Selling Expenses	455,606 CUST	-	455,606	-	455,606	-	-	-	-
Advertising Expenses	0 CUST	-	0	-	0	-	-	-	-
Misc. Sales Expenses	77,383 CUST	-	77,383	-	77,383	-	-	-	-
Sub-total	532,989	-	532,989	-	532,989	-	-	-	-
Administrative and General Expenses									
Administrative & General Salaries	5,432,241 LABOR	2,823,156	2,149,385	-	4,972,541	-	-	-	-
A&G Salaries - Energy Procurement	421,021 GASSPLY	-	-	-	-	-	-	-	-
Office Supplies	2,029,906 LABOR	1,054,949	803,177	-	1,858,126	-	-	-	-
Office Supplies - Energy Procurement	168,393 GASSPLY	-		-	-	-	-	-	-
A&G Transferred	(16,140,423) AGxTRANSFER	(7,840,061)	(5,968,963)	(497,026)	(14,306,050)	-	-	-	-
A&G Transferred - Energy Procurement	- GASSPLY	-			-	-	-	-	-
Outside Services	6,917,962 LABOR	3,595,290	2,737,243	-	6,332,533	-	-	-	-
Outside Serv Gas Acquistion	216,091 GASSPLY	-	-	-	-	-	-	-	-
Property Insurance	51,523 LABOR	26,777	20,386	-	47,163	-	-	-	-
Injuries & Damages	814,179 LABOR	423,132	322,148		745,280				
Employee Pension & Benefits	7,255,395 LABOR	3,770,655	2,870,756		6,641,411				
Regulatory Commission - Delivery	745,711 PREV DEL	-, -,		745,711	745,711				
Regulatory Commission - Production	31,325 REG COMM	-							
Misc. General Expenses	1,146 LABOR	595	453		1,049				
Office Rent	131,314 LABOR	68,244	51,957		120,202	_	_		
Maintenance of General Plant	- LABOR		,		,				_
Sub-total	8,075,783	3,922,737	2,986,542	248,685	7,157,963	-	-	-	-
TOTAL O & M EXPENSES	29,706,094	15,684,514	9,650,056	1,861,696	27,196,266	_			
		,	2,423,222	-,,					
Labor Expense									
Production - Operation									
Supervision	958,071 DPROD	83,352	-	-	83,352	-	-	-	-
LPG - Production	- DPROD	-	-	-	-	-	-	-	-
LPG - Materials	- DPROD	-	-	-	-	-	-	-	-
Gas Mixing & Misc Exp - Keene	188,343 DPROD	16,386		-	16,386	-	-	-	-
Misc. Prod. Exp.	- DPROD	-		-	-	-	-	-	-
Operation Labor & Expenses	- DPROD	-	-	-	-	-	-	-	-
Sub-total	1,146,680	99,761	-	-	99,761	-	-	-	-
Production - Maintenance									
Maint. of Prod. Equip	- DPROD	-	-	-	-	-	-	-	-
Sub-total	•	•	-	•	-	-	-	-	-
Total Production	1,146,680	99,761	-	-	99,761	-			

			LPG & LNG			Misc				
Account Description	Amount Alloc. Factor	DEM	CUS	сом	TOTAL	DEM	CUS	СОМ	TOTAL	
Customer Account										
Supervision	246.658 CACCTX									
	327,602 CUST	•	-	•	•	-	-	-	-	
Meter Reading Customer Records & Collection	2,757,111 CUST	•	-	•	-	-	-	-	-	
Uncollectable Accounts - Delivery		•	-	•	-	-	-	-	-	
Uncollectable Accounts - Production	1,613,012 PREV_DEL 67,758 PREV_PROD	•	-	62,395	C2 20F	-	-	F 2C4	5,364	
Misc. Customer Accounts	13,047 CUST	•	-	02,393	62,395	-	-	5,364	5,304	
Sub-total	5,025,189	-	-	62,395	62,395	-	-	5,364	5,364	
				, , , , , , , , , , , , , , , , , , , ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Customer Service & Information Expenses										
Informational and Instructional Advertisign Expenses		-	-	-	-	-	-	-	-	
Misc Customer Assistance Expense	15,180 CUST	-	-	-	-	-	-	-	-	
Sub-total	96,913	-	-	-	•	-	•	-	-	
Sales Expenses										
Demostrating & Selling Expenses	455,606 CUST	-	-	-	-	-	-	-	-	
Advertising Expenses	0 CUST	-	-	-	-	-	-	-	-	
Misc. Sales Expenses	77,383 CUST	-	-	-	-	-	-	-	-	
Sub-total	532,989	-	-	-	-	-		-	-	
Administrative and General Expenses										
Administrative & General Salaries	5,432,241 LABOR	459,701	-	-	459,701	-	-	-	-	
A&G Salaries - Energy Procurement	421,021 GASSPLY	-	-	-	-	-	-	421,021	421,021	
Office Supplies	2,029,906 LABOR	171,780	-	-	171,780	-	-	-	-	
Office Supplies - Energy Procurement	168,393 GASSPLY	-	-	-	-	-	-	168,393	168,393	
A&G Transferred	(16,140,423) AGXTRANSFER	(1,276,615)	-	-	(1,276,615)	-	-	(557,758)	(557,758)	
A&G Transferred - Energy Procurement	- GASSPLY	-	-	-	-	-	-			
Outside Services	6,917,962 LABOR	585,429	-	-	585,429	-	-	-	-	
Outside Serv Gas Acquistion	216,091 GASSPLY		-	-		-	-	216,091	216,091	
Property Insurance	51,523 LABOR	4,360	-	-	4,360	-	-			
Injuries & Damages	814,179 LABOR	68,900			68,900		-		-	
Employee Pension & Benefits	7,255,395 LABOR	613,984	-	-	613,984	-	-	-	-	
Regulatory Commission - Delivery	745,711 PREV_DEL		-	-		-	-	-	-	
Regulatory Commission - Production	31,325 REG_COMM	-	-	-	-	-	-	31,325	31,325	
Misc. General Expenses	1,146 LABOR	97	-	-	97	-	-			
Office Rent	131,314 LABOR	11,112			11,112		-		-	
Maintenance of General Plant	- LABOR		-	-		-	-	-	-	
Sub-total	8,075,783	638,748	-	-	638,748	-	-	279,072	279,072	
TOTAL O & M EXPENSES	29,706,094	2,162,998	-	62,395	2,225,393	_		284,435	284,435	
Labor Expense										
Production - Operation										
Supervision	958,071 DPROD	874,719	-	-	874,719	-	-	-	-	
LPG - Production	- DPROD		-	-		-	-	-	-	
LPG - Materials	- DPROD	-	-	-	-	-	-	-	-	
Gas Mixing & Misc Exp - Keene	188,343 DPROD	171,957	-	-	171,957	-	-	-	-	
Misc. Prod. Exp.	- DPROD		-	-		-	-	-	-	
Operation Labor & Expenses	- DPROD		-				-		-	
Sub-total	1,146,680	1,046,919	-	-	1,046,919	-	-	-	-	
Production - Maintenance										
Maint. of Prod. Equip	- DPROD				_		-	_	_	
Sub-total	-						_		_	
Total Production	1,146,680	1,046,919	-	-	1,046,919	-	-	-	-	

			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						ct Gas Costs			
Account Description	Amount Allo	oc. Factor DEM	cus	СОМ	TOTAL	DEM	cus	СОМ	TOTAL			
Distribution Operation Expenses												
Operation Supervision & Engineering	336,069 DISTO	PX 275,188	60,881		336,069							
Distribution Load Dispatch	583,241 DIST	583,241	,	_	583,241			_				
Mains & Services Expenses	3,547,661 DIST	3,547,661		_	3,547,661			_				
M&R Station Expenses - General	- DIST	-,,		_	-,,			_				
M&R Station Expenses - Industrial	- DIST	_		_	_			_				
Meter & House Regulator Expenses	1,053,744 CUST	_	1,053,744		1,053,744							
Customer Installation Expenses	632,084 CUST	_	632,084		632,084							
Other Expenses	876,280 DIST	876,280	-		876,280							
Rents	- DIST	-	_		0,0,200		_	_				
Sub-total	7,029,078	5,282,370	1,746,709	-	7,029,078	-	-	-				
Distribution Maintenance Expenses												
Maint. Supervision & Engineering	- DISTN	INX -			-							
Maint. of Structures & Improv.	121,758 DIST	121,758			121,758							
Maint, of Mains	827,116 DIST	827,116			827,116							
Maint. of M&R Station Equip General	- DIST	- , -										
Maint. of Services	208,998 CUST	-	208,998		208,998							
Maint. of Meters & House Regulators	267,300 CUST	-	267,300		267,300							
Maint. of Other Equip.	98,428 DIST	98,428	-		98,428							
Sub-total	1,523,600	1,047,302	476,298	-	1,523,600	-		-				
Total Distribution	8,552,678	6,329,672	2,223,007	-	8,552,678	-	-	-				
Customer Account												
Supervision	246,658 CACC	ΓX -	246,658	-	246,658	-	-	-				
Meter Reading	301,954 CUST	-	301,954	-	301,954	-	-	-				
Customer Records & Collection	1,599,953 CUST	-	1,599,953	-	1,599,953	-	-	-				
Uncollectable Accounts	-	0 -		-	-	-	-	-				
Misc. Customer Accounts	- CUST	-	-	-	-	-	-	-				
Sub-total	2,148,565		2,148,565	-	2,148,565	-	-					
Customer Service & Information Expenses												
Informational and Instructional Advertising Expenses	21,713 CUST	-	21,713	-	21,713	-	-	-				
Misc Customer Assistance Expense	- CUST	-	-	-	-	-	-	-				
Sub-total	21,713	•	21,713	-	21,713	-	-					
Sales Expenses												
Demostrating & Selling Expenses	424,325 CUST	-	424,325	-	424,325	-	-	-				
Advertising Expenses	- CUST	-	-	-	-	-	-	-				
Misc. Sales Expenses	77,383 CUST	-	77,383	-	77,383	-	-	-				
~ Sub-total	- ~ 501,708		- 501,708		- 501,708	-	-	-				
	·		•	-		-						
TOTAL O & M LABOR EXP.	12,371,345	6,429,433	4,894,993	-	11,324,425		-	-				

				LPG 8	k LNG			Mis	С	
Account Description	Amount Allo	oc. Factor	DEM	cus	сом	TOTAL	DEM	cus	СОМ	TOTAL
Distribution Operation Expenses										
Operation Supervision & Engineering	336,069 DISTO	PX	-	-	-	-	-	-	-	-
Distribution Load Dispatch	583,241 DIST		-	-	-	-	-	-	-	-
Mains & Services Expenses	3,547,661 DIST		-	-	-	-	-	-	-	-
M&R Station Expenses - General	- DIST		-	-	-	-	-	-	-	-
M&R Station Expenses - Industrial	- DIST		-	-	-	-	-	-	-	-
Meter & House Regulator Expenses	1,053,744 CUST		-	-	-	-	-	-	-	-
Customer Installation Expenses	632,084 CUST		-	-	-	-	-	-	-	-
Other Expenses	876,280 DIST		-	-	-	-	-	-	-	-
Rents	- DIST		-	-	-	-	-	-	-	-
Sub-total	7,029,078		-	-	-	-	-			
Distribution Maintenance Expenses										
Maint. Supervision & Engineering	- DISTM	1NX	-	-	-	-	-	-	-	-
Maint. of Structures & Improv.	121,758 DIST		-	-	-	-	-	-	-	-
Maint. of Mains	827,116 DIST		-	-	-	-	-	-	-	-
Maint. of M&R Station Equip General	- DIST		-	-	-	-	-	-	-	-
Maint. of Services	208,998 CUST		-	-	-	-	-	-	-	-
Maint. of Meters & House Regulators	267,300 CUST		-	-	-	-	-	-	-	-
Maint. of Other Equip.	98,428 DIST		-	-	-	-	-	-	-	-
Sub-total	1,523,600		-	-	-	-	-	-	-	-
Total Distribution	8,552,678		-	-	-	-	-	-	-	-
Customer Account										
Supervision	246,658 CACCT	ΓX				_		_	_	_
Meter Reading	301,954 CUST					_		_	_	_
Customer Records & Collection	1,599,953 CUST					_		_	_	_
Uncollectable Accounts	-	0								
Misc. Customer Accounts	- CUST	Ü						_		
Sub-total	2,148,565									
	2)140,303									
Customer Service & Information Expenses										
Informational and Instructional Advertising Expenses	21,713 CUST		-	-	-	-	-	-	-	-
Misc Customer Assistance Expense	- CUST		-	-	-	-	-	-	-	-
Sub-total	21,713		-	-	-	-	-	-		-
Sales Expenses										
Demostrating & Selling Expenses	424,325 CUST		-	-	-	-	-	-	-	-
Advertising Expenses	- CUST		-	-	-	-	-	-	-	-
Misc. Sales Expenses	77,383 CUST		-	-	-	-	-	-	-	-
Sub-total	501,708				-	-	-			-
TOTAL O & M LABOR EXP.	12,371,345		1,046,919			1,046,919				
TOTAL O & IVI LABOR EAF.	12,3/1,343		1,040,313	-		1,040,319	-	-	-	-

			Delivery Co	sts			Direct Ga	as Costs	
Account Description	Amount Alloc. Factor	DEM	CUS	СОМ	TOTAL	DEM	cus	сом	TOTAL
Depreciation Expense									
Intangible Plant									
Misc. Intangible Plant	3,185,122 LABOR	1,655,320	1,260,263	_	2,915,583		_	_	_
Sub-total	3,185,122	1,655,320	1,260,263		2,915,583				
Sub-total	3,103,122	1,033,320	1,200,203		2,313,303				
Production Plant									
Production Plant EN	154,281 DPROD	13,422	-	-	13,422	-	-	-	-
Production Plant Keene	- DPROD		-	-		-	-	-	-
Sub-total	154,281	13,422	•	•	13,422	-	-	-	-
Other									
Depr Amort of Reserve Surplus	1,657,796 PLANT	990,054	642,948	-	1,633,001	-	-	-	-
Regulatory Debits	892,115 AGEXP	433,336	329,917	27,472	790,725	-	-	-	-
Amort. Of Regulatory Asset	(1,308,511) LABOR	(680,038)	(517,741)	-	(1,197,779)	-	-	-	-
Ratemaking Adjustment	- PDGPLT	-	-	-	-	-	-	-	-
Sub-total	1,241,400	743,352	455,124	27,472	1,225,948	-	-	-	-
Distribution Plant									
Land & Land Rights	- 0	-	-	-	-	-	-	-	-
M&R Stations	- 0	-	-	-	-	-	-	-	-
Mains	225,417 DIST	225,417	-	-	225,417	-	-	-	-
Compressor Station Equipment	43,127 DIST	43,127	-	-	43,127	-	-	-	-
M&R Stations	212,649 CUST	-	212,649	-	212,649	-	-	-	-
Services	6,351,794 CUST	-	6,351,794	-	6,351,794	-	-	-	-
Meters & Meter Installations	874,971 CUST		874,971	-	874,971	-	-	-	-
Other Equipment	140,851 DIST	140,851			140,851	-	-		-
Sub-total	15,171,381	7,731,966	7,439,414	•	15,171,381	-	-	-	-
General Plant Plant									
Land & Land Rights	- 0	-		-		-	-	-	-
Structures & Improvements	647,879 LABOR	336,705	256,348	-	593,053	-	-	-	-
Office Furniture & Equipment	300,235 LABOR	156,033	118,794	-	274,827	-	-	-	-
Transportation Equipment	1,601,423 LABOR	832,265	633,638	-	1,465,903	-	-	-	-
Stores Equipment	4,600 LABOR	2,391	1,820	-	4,211	-	-	-	-
Tools, Shop & Garage Equip.	175,655 LABOR	91,289	69,502	-	160,791	-	-	-	-
Laboratory Equip.	- 0	-	-	-	-	-	-	-	-
Power Operated Equip.	275,750 LABOR	143,308	109,107	-	252,415	-	-	-	-
Communication Equip.	89,240 LABOR	46,378	35,310	-	81,688	-	-	-	-
Miscellaneous Equip.	53,558 LABOR	27,834	21,192	-	49,026	-	-	-	-
Sub-total	3,148,341	1,636,204	1,245,710	-	2,881,915	-	-	-	-
TOTAL DEPRECIATION EXPENSES	22,900,526	11,780,265	10,400,511	27,472	22,208,248	-	-	-	-
Taxes Other Than Income Taxes									
Payroll	1,997,975 LABOR	1,038,355	790,542	-	1,828,897	-	-	-	-
Property	12,195,461 PLANT	7,283,259	4,729,799	-	12,013,058	-	-	-	-
Sub-total	14,193,436	8,321,613	5,520,341	-	13,841,955	-	-	-	-
TOTAL TAXES OTHER THAN INCOME TAX	14,193,436	8,321,613	5,520,341	-	13,841,955	-	-	-	-
Operating Revenues									
Distribution Rate Revenue	93,643,178 CUR_REV	-	-	91,649,591	91,649,591	-	-	-	-
Late Payment Charges - Delivery	20,686 PREV_DEL	-	-	20,686	20,686	-	-	-	-
Late Payment Charges - Production	869 PREV_PROD	-		-		-	-	-	-
Connect/Reconnect Fees	386,715 CUST	-	386,715		386,715	-	-	-	-
Other Revenues	799,106 OTH_REV	-	-	799,106	799,106	-	-	-	-
Sub-total	94,850,554	-	386,715	92,469,383	92,856,098	-	-	-	-
TOTAL	94,850,554	-	386,715	92,469,383	92,856,098			-	-

				LPG & LNG			Misc				
	Account Description	Amount A	Alloc. Factor	DEM	cus	сом	TOTAL	DEM	cus	сом	TOTAL
Depreciation Ex	eznenye										
Depreciation	tpense										
Intangible											
	angible Plant	3,185,122 LAE	SOR	269,539	-	-	269,539	-	-	-	-
Sub-tota	1	3,185,122		269,539	-	-	269,539	-	-	-	-
Productio	on Plant										
	on Plant EN	154,281 DPI	ROD	140,858	-		140,858	-	-	-	_
	on Plant Keene	- DPI		,	-			-	-	-	
Sub-tota		154,281		140,858	-	-	140,858	-	-	-	-
Other		4 557 705 814		24.705			24.705				
	ort of Reserve Surplus	1,657,796 PLA		24,795	-	-	24,795	-	-	20.020	30,828
	ory Debits Of Regulatory Asset	892,115 AGI (1,308,511) LAE		70,561 (110,732)	-	•	70,561 (110,732)	-	-	30,828	30,828
	ring Adjustment	(1,308,311) EAE		(110,732)			(110,732)			-	
Sub-tota		1,241,400	J. L.	(15,376)			(15,376)		-	30,828	30,828
										•	-
Distributi											
	and Rights	-	0	-	-	-	-	-	-	-	-
M&R Sta	itions		0	-	-	-	-	-	-	-	-
Mains		225,417 DIS		-	-	-	-	-	-	-	
	ssor Station Equipment	43,127 DIS		-	-	-	-	-	-	-	-
M&R Sta Services		212,649 CUS 6,351,794 CUS		-	-	-	-	-	-	-	-
	& Meter Installations	874,971 CUS		-	-	•		-	-	-	-
Other Eq		140,851 DIS			-	-		-		-	
Sub-tota		15,171,381	•						-		
		., ,									
	Plant Plant										
	and Rights	-	0	-	-	-	-	-	-	-	-
	es & Improvements	647,879 LAE		54,826	-	-	54,826	-	-	-	-
	rniture & Equipment	300,235 LAE		25,407	-	-	25,407	-	-	-	-
	rtation Equipment	1,601,423 LAE		135,520	-	-	135,520	-	-	-	-
	quipment	4,600 LAE		389	-	-	389	-	-	-	-
Laborato	nop & Garage Equip.	175,655 LAE	0 0	14,865	-	-	14,865	-	-	-	-
	perated Equip.	275,750 LAE		23,335			23,335				
	nication Equip.	89,240 LAE		7,552	-	-	7,552	-		-	
	neous Equip.	53,558 LAE		4,532	-		4,532	-	-	-	_
Sub-tota		3,148,341		266,427	-	-	266,427	-	-	-	-
TOTAL D	EPRECIATION EXPENSES	22,900,526		661,449		-	661,449	-	-	30,828	30,828
Towns Oak at Th	an Income Towns										
Payroll	an Income Taxes	1,997,975 LAE	ı On	169,078			169,078				
Property		1,997,975 LAE 12,195,461 PLA		182,403	-	•	182,403	-	-	-	-
Sub-tota		14,193,436	av i	351,481			351,481			-	
				,			,				
TOTAL T	AXES OTHER THAN INCOME TAX	14,193,436		351,481	-	-	351,481	-	-	-	-
Operating Reve											
	ion Rate Revenue	93,643,178 CUI		-	-	1,980,418	1,980,418	-	-	13,170	13,170
	ment Charges - Delivery	20,686 PRE		-	-	-	-	-	-	-	-
	ment Charges - Production	869 PRE		-	-	800	800	-	-	69	69
	/Reconnect Fees	386,715 CUS		-	-	-	-	-	-	-	-
Other Re		799,106 OTI	H_REV	-	-	-		-	-	-	40.055
Sub-tota	II .	94,850,554		-	-	1,981,218	1,981,218	-	•	13,238	13,238
TOTAL		94,850,554		_	_	1,981,218	1,981,218		-	13,238	13,238

Functional Cost Study External Allocation Factors

Name DEMAND AL	Description LOCATORS		Total	Delivery Costs	Direct Gas Costs	Production Costs	Misc. Costs
LPG LNG	Production	DEM	1 -	0.00%	0.00%	100.00%	0.00%
LI O_LIVO	Test Yr - Energy North	DLIVI	1	0.0070	0.0076	1	0.0070
DIST	Distribution	DEM		100.00%	0.00%	0.00%	0.00%
DIST	Test Yr - Energy North	DEIVI	1	100.00%	0.00%	0.00%	0.00%
DDDOD	Delivery 9 Production	DEM	ı —	8.70%	0.00%	91.30%	0.000/
DPROD	Delivery & Production Test Yr - Energy North	DEM	1	0.087	0.00%	0.913	0.00%
DPROD K	Keene Production	DEM		100.00%	0.00%	0.00%	0.00%
DI NOD_K	Test Yr - Energy North	DEIVI	1	1	0.0070	0.0070	0.0070
CUSTOMER	ALLOCATORS						
CUST	Distribution Customer	CUS		100.00%	0.00%	0.00%	0.00%
	Test Yr - Energy North		1	1			
COMMODITY	ALLOCATORS						
PROPANE	Propane Commodity	COM	1 -	0.00%	0.00%	100.00%	0.00%
	Test Yr - Energy North		1			1	
LNG	LNG Commodity	COM		0.00%	0.00%	100.00%	0.00%
	Test Yr - Energy North		1			1	
GASCOST	Allocated Gas Costs	COM		0.00%	100.00%	0.00%	0.00%
	Test Yr - Energy North		1		1		
GASSPLY	Gas Supply	СОМ		0.00%	0.00%	0.00%	100.00%
	Test Yr - Energy North		1				1
CUR_REV	Revenues at Current Rates	СОМ		97.87%	0.00%	2.11%	0.01%
	Test Yr - Energy North		93,645,932	91,652,286	-	1,980,476	13,170
PROP_REV	Proposed Revenues	СОМ]	95.97%	0.00%	3.71%	0.32%
	Test Yr - Energy North		99,425,862	95,417,615		3,690,964	317,283
PREV_DEL	Proposed Revenues Delivery	СОМ		100.00%	0.00%	0.00%	0.00%
_	Test Yr - Energy North		1	1			
PREV_PROD	Proposed Production Revenue	COM		0.00%	0.00%	92.08%	7.92%
	Test Yr - Energy North		4,008,247			3,690,964	317,283
INDIRECT	Settlement Indirect Expenses	СОМ		0.00%	0.00%	99.34%	0.66%
	Test Yr - Energy North		(1,993,598)			(1,980,428)	(13,170)
REG_COMM	Production Regulatory Comm. Exp	СОМ		0.00%	0.00%	0.00%	100.00%
	Test Yr - Energy North		1				1
OTH_REV	Other Revenue	СОМ		100.00%	0.00%	0.00%	0.00%
_	Test Yr - Energy North		1	1			

Functional Cost Study Internal Allocators

Allocator						
Name	Description	Total	Dalissams Casta	Direct Gas Costs	Production Costs	Misc. Costs
Name	Description	Iotai	Delivery Costs	Costs	Production Costs	wisc. Costs
PLANT	Total Plant in Service	641,189,774	631,599,724	-	9,590,051	-
	Percent	100.00%	98.50%	0.00%	1.50%	0.00%
OMEXPX	TOI and O&M Exp. excl. gas costs & uncollectible	42,192,640	39,422,936	_	2,490,632	279,072
OIVIEAPA	Percent	100.00%	93.44%	0.00%	5.90%	0.66%
PRODOEXP	Production Operations Expenses	559,876	48,709	-	511,167	-
	Percent	100.00%	8.70%	0.00%	91.30%	0.00%
PRODMNTX	Production Maintenance Expenses	119,531	10,399	_	109,132	-
	Percent	100.00%	8.70%	0.00%	91.30%	0.00%
DISTOPX	Distribution Operations Expense	9,777,381	9,777,381	- 0.000/	-	-
	Percent	100.00%	100.00%	0.00%	0.00%	0.00%
DISTMNX	Distribution Maintenance Expense	3,987,825	3,987,825	-	-	-
	Percent	100.00%	100.00%	0.00%	0.00%	0.00%
CACCTY	Customer Associating Funences	2 007 761	2 007 761		_	_
CACCTX	Customer Accounting Expenses Percent	3,097,761 100.00%	3,097,761 100.00%	0.00%	0.00%	0.00%
	refeelit	100.0070	100.00%	0.0070	0.0070	0.00%
LABOR	Labor expense excluding A&G	12,371,345	11,324,425	-	1,046,919	-
	Percent	100.00%	91.54%	0.00%	8.46%	0.00%
GENPLT	General Plant	39,736,540	36,373,854	_	3,362,686	_
GLWI LI	Percent	100.00%	91.54%	0.00%	8.46%	0.00%
AGxTRANSFER	A&G Expenses excluding transfer	24,216,206	21,464,013	-	1,915,363	836,830
	Percent	100.00%	88.63%	0.00%	7.91%	3.46%
AGEXP	Total A&G Expense	8,075,783	7,157,963	_	638,748	279,072
	Percent	100.00%	88.63%	0.00%	7.91%	3.46%
DISTRPLT	Distribution Plant	578,926,765 100.00%	578,926,765 100.00%	0.00%	0.00%	0.00%
	Percent	100.00%	100.00%	0.00%	0.00%	0.00%
RTBASE	Rate Base	346,131,311	341,307,756	-	4,802,130	21,425
	Percent	100.00%	98.61%	0.00%	1.39%	0.01%
DDCDLT	Draduation Distribution & Canaval Dlant	622 970 626	C1E 7E4 420		0.135.100	
PDGPLT	Production, Distribution & General Plant Percent	623,879,626 100.00%	615,754,439 98.70%	0.00%	8,125,188 1.30%	0.00%
	rerecit	100.00%	30.70%	0.00%	1.30%	0.00%