# STATE OF NEW HAMPSHIRE BEFORE THE PUBLIC UTILITIES COMMISSION

Docket No. DG 20-105

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Distribution Service Rate Case

# **REBUTTAL TESTIMONY**

**OF** 

**DAVID B. SIMEK** 

**AND** 

KENNETH A. SOSNICK

April 29, 2021



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# **ATTACHMENTS**

Attachment	Title
DBS/KAS-1-Rebuttal	Revenue Requirement Schedules Showing Impact of Rebuttal Adjustments
DBS/KAS-2-Rebuttal	Data Responses
DBS-KAS-3-Rebuttal	December 31, 2017, Regulatory Assets Supporting the Determination of Excess Accumulated Deferred Income Taxes
DBS-KAS-4-Rebuttal	Updated FCOS Model

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# 1 I. INTRODUCTION AND BACKGROUND

- 2 O. Please state your full name, position, and business address.
- 3 A. (DS) My name is David B. Simek. My business address is 15 Buttrick Road,
- 4 Londonderry, New Hampshire.
- 5 (KS) My name is Kenneth A. Sosnick. My business address is 200 State Street, 9th
- 6 Floor, Boston, Massachusetts.
- 7 Q. By whom are you employed, and in what position?
- 8 A. (DS) I am employed by Liberty Utilities Service Company, which provides services to
- 9 Liberty Utilities (EnergyNorth Natural Gas) Corp. ("EnergyNorth" or the "Company").
- My title is Manager, Rates and Regulatory Affairs.
- 11 (KS) I am employed by FTI Consulting ("FTI"), which is a worldwide consulting firm
- dedicated to helping organizations manage change, mitigate risk, and resolve disputes.
- Our Power & Utilities practice brings these services to firms in regulated and competitive
- energy industries. The services we provide our utility clients include expert testimony,
- regulatory advice, support for strategic decision-making, and advice regarding
- investments and capital allocation. Our team is comprised of former utility executives,
- regulators, investors, and financial analysts that combine for hundreds of years of
- experience in the regulated energy space. My title is Managing Director.
- 19 Q. Have you previously submitted testimony in this proceeding?
- A. Yes. We submitted joint pre-filed testimony as part of the Company's July 31, 2020,
- 21 filing for an increase in distribution rates. Our professional backgrounds and

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qualifications are contained in that testimony. Terms defined in our pre-filed direct testimony have the same meaning in this rebuttal testimony.

# 3 II. PURPOSE AND SUMMARY OF TESTIMONY

- 4 Q. What is the purpose of your testimony?
- Our testimony responds to the revenue requirement recommendations of Staff witness
  Donna H. Mullinax. Our testimony explains that the Company agrees with several of
  these recommendations, but that the majority of Staff's proposed adjustments are
  unwarranted and should be rejected by the Commission. As noted below, our testimony
  includes an updated revenue requirement analysis that incorporates the Company's
  rebuttal positions.
- 11 Q. Are you submitting any attachments with your testimony?
- 12 A. Yes, we are submitting the following attachments:
- Attachment DBS/KAS-1-Rebuttal, updated revenue requirement schedules reflecting
   the Company's rebuttal positions.
- Attachment DBS/KAS-2-Rebuttal, copies of certain data responses referred to in this
   rebuttal testimony.
- Attachment DBS-KAS-3-Rebuttal, a breakout of regulatory assets on December 31,
   2017, used in the determination of the excess accumulated deferred income taxes
   ("EADIT").
- Attachment DBS-KAS-4-Rebuttal, the updated functional cost of service model reflecting the Company's rebuttal revenue requirement.

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- 2 A. The Company agrees with four changes proposed by Staff, which are described as
- follows in reference to the schedules where the changes appear in Attachment DBS/KAS-
- 4 1-Rebuttal:

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- Adjustment of Payroll Expense annualization to reflect the actual payroll percent
   increase for 2020 (Adjustment #1 on page 2 of Attachment DBS-KAS-Rebuttal-1,
   reflected on Schedule RR-EN-3-2, lines 4 and 13).
  - Adjustment to normalize CSR 2019 Ratification Bonus over the term of the contract (Adjustment #2 on page 2 of Attachment DBS-KAS-Rebuttal-1, reflected on Schedule RR-EN-3-2, lines 22 and 23).
    - Adjustment to remove the double count of New Hampshire property tax true-up (Adjustment #3 on page 2 of Attachment DBS-KAS-Rebuttal-1, reflected on Schedule RR-EN-3-7, line 89).
    - Adjustment to remove \$5,313 in additional Keene production costs (Adjustment #4
       on page 2 of Attachment DBS-KAS-Rebuttal-1, reflected on Schedule RR-EN-3-10,
       line 21).
- Aside from these changes and those contained in the Company's March 3, 2021,

  Corrections and Updates ("CU") filing, the Company disagrees with the balance of the
  revenue requirement adjustments recommended in Staff's testimony. These additional
  adjustments are unwarranted and should be rejected for reasons discussed below in our
  rebuttal testimony.

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# 1 Q. Did you update the revenue requirement to reflect the Company's rebuttal position?

- A. Yes. The Company last updated the revenue requirement in the CU filing, which
  demonstrated a reduced revenue increase of \$4,933,718. The Company's rebuttal
  position results in an additional decrease of \$358,410 or a total revenue requirement of
  \$4,575,308. The Company's updated schedules are attached as DBS/KAS-1-Rebuttal.
- 6 Q. Please summarize Staff's proposed revenue requirement adjustments.
- A. Ms. Mullinax recommended fourteen<sup>1</sup> adjustments to the Company's revenue requirement. The table below summarizes Staff's proposed adjustments:<sup>2</sup>

	Description	Rate Base	Operating Income	Revenue Deficiency
Adj-1	Normalize M&S Reflected in Rate Base	(849,232)		(77,679)
Adj-2	Cash Working Capital	(72,407)		(6,623)
Adj-3	Modify Amortization of Non-Protected EADIT		533,216	(731,234)
Adj-4	Payroll Expense – 2020 Increase		68,201	(93,528)
Adj-5	Normalize CSR 2019 Ratification Bonus Over Term of Contract		10,500	(14,399)
Adj-6	Long-Term Incentive Compensation		183,978	(252,301)
Adj-7	Payroll Tax		297,051	(407,365)
Adj-8	Sharing of D&O Liability Insurance		10,410	(14,275)
Adj-9	Property Tax-Remove Doubled State of NH TRUE UP		168,225	(230,698)
Adj-10	Remove Additional Keene Production Costs		3,874	(5,313)
Adj-11	Modify Presentation of Pelham Risk Sharing		(47,092)	64,580
Adj-12	Remove Amortization of Depreciation Reserve Imbalance		1,119,705	(1,535,526)
Adj-13	Capitalized Fleet Depreciation	(445,959)	(325,180)	405,149
Adj-15	Interest Synchronization		26,043	(35,714)
	Impact of Staff's Recommended Cost of Capital			(3,797,586)
	Pelham Risk Sharing			(95,837)
	iNATGAS			(301,742)
	Keene Risk Sharing			(43,742)
		(1,367,598)	2,048,930	(7,173,832)

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<sup>&</sup>lt;sup>1</sup> Staff lists fifteen adjustments but in fact only makes fourteen adjustments.

<sup>&</sup>lt;sup>2</sup> Source: Direct Testimony of Donna H. Mullinax dated March 18, 2021, Bates 000006.

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# 1 III. RESPONSE TO STAFF REVENUE REQUIREMENT ADJUSTMENTS

- 2 Q. Please summarize Staff's Adjustment #1 regarding Working Capital.
- 3 A. Staff argues that the most current 13-monthly average of Materials and Supplies are not
- 4 expected to continue during the rate effective period and therefore should be adjusted
- downward based on the average working capital balance for thirty-nine months.<sup>3</sup>

# 6 Q. Is this adjustment appropriate?

7 No, for several reasons. First, Staff's adjustment is not a known and measurable change A. to the test year and is purely speculative. Additionally, Staff's position is based on a 8 misreading of the Company's response to Staff TS 3-14,4 which it cites in support of its 9 adjustment. In this response, the Company answered a question about the Company's 10 expectations for continued *increases* in Materials and Supplies balances going forward: 11 12 "... Pipeline replacement is leveling off and the Company expects to see some improvement in Materials and Supplies planning as a result of the move towards an 13 integrated system under SAP." Staff misconstrues the Company's use of the term 14 15 "leveling off" in this context, which was intended to convey the expectation that Materials and Supplies expense is expected to remain steady and not decline as Staff 16 suggests.<sup>5</sup> Lastly, Staff's adjustment inappropriately relies on annual balances as of 17 18 December 31, which are not representative of actual costs. As acknowledged by Staff in

<sup>&</sup>lt;sup>3</sup> Mullinax Direct Testimony, Bates 000014, lines 23 through 27.

<sup>&</sup>lt;sup>4</sup> Staff did not submit TS 3-14 into the record or cite it directly in its testimony only identifying the source of the Company's response in data response LU 1-1; both responses are included in Attachment DBS/KAS-2-Rebuttal.

<sup>&</sup>lt;sup>5</sup> "Leveling off" is generally defined as "to approach or reach a steady rate, volume or amount." See <a href="https://www.merriam-webster.com/dictionary/level%20off">https://www.merriam-webster.com/dictionary/level%20off</a>

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its response to LU 1-2,<sup>6</sup> the month of December is outside the construction season and at a time when inventory balances are typically lower. In summary, Staff's adjustment is not known and measurable, is not supported by the facts, and does not appropriately reflect an average of inventory balances carried throughout the year, and therefore the proposed adjustment to Materials and Supplies should be rejected.

# 6 Q. Please summarize Staff's Adjustment #2 regarding Cash Working Capital.

- A. Staff proposes to update the amount of Cash Working Capital included in the Company's rate base for changes related to Staff's various revenue and expense adjustments.<sup>7</sup>
- 9 Q. Do you agree with this adjustment?
- 10 A. Yes, in concept. Staff took no issue with the Company's proposed Cash Working Capital
  11 rate. The Company supports updating the Cash Working Capital calculation based on the
  12 outcome of revenue and expense adjustments in this proceeding.
- Q. Please summarize Staff's Adjustment #3 regarding the amortization of Non-Protected EADIT.
- A. Staff adjusts the amortization period for Non-Protected EADIT amortization to five years.<sup>8</sup> For the Non-Protected Non-Property related EADIT, Staff states that because the largest contributor to Non-Protected Non-Property related EADIT was regulatory assets, and regulatory assets are "characteristically short lived," the appropriate amortization

<sup>&</sup>lt;sup>6</sup> Attached as Attachment DBS/KAS-2-Rebuttal, pages 3–4.

<sup>&</sup>lt;sup>7</sup> Mullinax Direct Testimony, Bates 000015, lines 3–9.

<sup>&</sup>lt;sup>8</sup> Mullinax Direct Testimony, Bates 000018, lines 18–22.

<sup>&</sup>lt;sup>9</sup> Mullinax Direct Testimony, Bates 000019, line 7.

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period should be five years. For Non-Protected Property related EADIT, Staff claims
that due to the delay in the start of amortization, Non-Protected Property related EADIT
should be returned over the same five-year period.<sup>10</sup>

# Q. Are these adjustments appropriate?

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A. No. EnergyNorth is proposing the same EADIT treatment that was allowed for its sister company, Granite State, in its recent rate case. That is, the Company proposes to return the Non-Protected EADIT to customers over the same period of time as the protected EADIT.

Staff's generalization that regulatory assets are "characteristically short-lived" is incorrect. Its position is purely speculative and is not based on a detailed analysis of the regulatory assets that were in existence on December 31, 2017. In fact, a review of the EnergyNorth's December 31, 2017, regulatory assets<sup>11</sup> shows the regulatory assets are long-lived items that are primarily related to environmental costs and pension and other post-retirement employment benefits. Environmental regulatory assets, for example, have lives closer to thirty years. More importantly, of the \$77.5 million of regulatory assets in existence on December 31, 2017, environmental regulatory assets make up \$48.1 million or 62 percent of the entire balance. Therefore, Staff's recommendation to amortize Non-Protected Non-Property EADIT related to these assets over five years is not reasonable and should be rejected. The Company continues to believe that

<sup>&</sup>lt;sup>10</sup> Mullinax Direct Testimony, Bates 000019, lines 12–14.

<sup>&</sup>lt;sup>11</sup> Attached as Attachment DBS/KAS-3-Rebuttal.

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amortizing all EADIT over the average remaining life produces an equitable result for both EnergyNorth and its customers, as was allowed for Granite State.

# 3 Q. Do you agree with Staff's proposal to return Non-Protected Property related

**EADIT** over five years?

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No. Staff cites<sup>12</sup> the delay in EADIT amortization the Company requested to determine if it had adequate information to calculate the Average Rate Assumption Method ("ARAM") rate as support for its recommendation for returning Non-Protected Property related EADIT over five years. However, if the Company had failed to utilize ARAM, assuming it had the information required to calculate ARAM, it would have been in direct conflict with the 2017 Tax Act. The 2017 Tax Act required companies with the ability to calculate ARAM to return Protected Property related EADIT under that method. Failure to calculate ARAM would have created a tax normalization violation, thus jeopardizing the Company's ability to utilize accelerated depreciation for income tax purposes, which would be a completely unacceptable outcome for the Company and its customers. Accelerated depreciation allows the Company to access cash free capital while customers enjoy the benefit of that cash free capital through a deduction in rate base. Additionally, customers were not materially harmed by the Commission-approved slight delay in the start of the amortization as all the EADIT created by the tax rate change will flow back to customers. Staff admits that returning Non-Protected Property related EADIT over the average remaining life is not an unreasonable approach. <sup>13</sup> For

<sup>&</sup>lt;sup>12</sup> Mullinax Direct Testimony Bates 00019, lines 8–14.

<sup>&</sup>lt;sup>13</sup> Mullinax Direct Testimony Bates 000019, lines 8 and 9.

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- these reasons, Staff's recommendation to return Non-Protected Property related EADIT over five years should be rejected.
- Q. Please summarize Staff's Adjustment #6 regarding long term incentive
   compensation (LTIP).
- 5 A. Staff proposes to remove LTIP costs from the Company's revenue requirement. 14
- 6 Q. Is it reasonable to exclude LTIP costs from recovery in the Company's revenue
  7 requirement?
  - No. These plans are part of the Company's market-based compensation and enable the Company to attract and retain a highly qualified senior management team. Incentives are part of the Company's overall compensation package. The incentive compensation (i.e. variable pay) is tied to the Company's performance, which is a widely utilized method of compensating employees by placing a portion of compensation at risk. The plan includes financial performance goals that are designed to drive cost efficiencies in Company operations. The Company's compensation program creates incentives for its employees to reduce costs to the ultimate benefit of customers. Because the Company operates in a return-regulated environment with an obligation to serve its customers, the incentive plan serves an important purpose of aligning the interests of the Company and its customers to reduce costs and identify operational efficiencies. Further, the LTIP program also measures achievements in the areas of safety and customer satisfaction, which have direct customer benefit and are not associated with Company earnings (Staff's witness did not

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<sup>&</sup>lt;sup>14</sup> Mullinax Direct Testimony Bates 000027, lines 13–16.

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- make note of these additional areas, although they were recognized by Staff's revenue requirements witness in EnergyNorth's prior rate case). For these reasons, the Commission should reject Staff's proposal to exclude these costs.
- 4 Q. Please summarize Staff's Adjustment #7 regarding payroll taxes.
- A. Staff makes two adjustments to the Company's payroll taxes. First, Staff substitutes the
  Company's payroll tax loading factor with that of its sister company, Granite State, from
  Docket No. DE 19-064. Second, Staff updates the payroll tax expense amount based on
  other proposed changes to the Company's proposed labor expense. 

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- 9 Q. Do you agree with Staff's adjustment to substitute Granite State's payroll tax load 10 factor for the Company's?
- No. Staff's adjustment fails to consider the Company's accounting for capitalized payroll 11 A. tax expense. The Company records all payroll taxes in FERC Account No. 408 Taxes 12 Other Than Income Taxes, for both capitalized and operating labor. The capitalized 13 portion is then removed from Account No. 408 through a credit to FERC Account No. 14 922 Administrative Expenses Transferred – Credit, and a debit to FERC Account No. 107 15 Construction Work in Progress – Gas as part of the overhead burden rate applied to 16 construction projects. Staff's adjustment essentially only calculates, and would only 17 allow the Company to recover, payroll tax expense related solely to operating labor. If 18 payroll tax expense is calculated solely applied to operating labor, the Company will 19 under-collect. The Company's method of calculating payroll tax expense provides a 20

<sup>&</sup>lt;sup>15</sup> Mullinax Direct Testimony Bates 000028, lines 10–18.

<sup>&</sup>lt;sup>16</sup> Mullinax Direct Testimony Bates 000028, lines 20–23.

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1		more accurate estimate of payroll tax expense for both capitalized and operating labor on
2		a prospective basis while Staff's adjustment would result in a revenue deficiency for the
3		Company.
4	Q.	Do you agree with Staff's proposed adjustment to include the effects of its labor
	ν.	
5		increase percentage and CSR Ratification Bonus amortization in the calculation of
6		payroll tax expense?
7	A.	Yes, in theory. Any changes to labor expense should be considered when determining
8		the appropriate amount of payroll tax expense going forward.
9	Q.	Please summarize Staff's Adjustment #8 regarding Directors and Officers ("D&O")
10		Liability Insurance.
11	A.	Staff adjusted the Company's requested D&O insurance to assign fifty percent of the cost
12		responsibly to the Company's shareholders.
13	Q.	Do you agree with Staff's proposed adjustment to assign fifty percent of D&O cost
14		to shareholders?
15	A.	No. D&O insurance is a necessary business expense and is prudently incurred by the
16		Company. D&O insurance, like property insurance or any other type of insurance the
17		Company requires to operate its business, is designed to protect the Company from
18		financial risks in conducting its business, which, in effect, protects customer interests.
19		D&O insurance policies not only protect the directors and officers individually, but also
20		protect the assets of the Company. As such, recovery of the entire amount of D&O

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- insurance costs through distribution rates is appropriate. Accordingly, Staff's proposal to assign fifty percent of the cost to shareholders should be rejected.
- Q. Please summarize Staff's Adjustment #11 regarding the presentation of Pelham risk
   sharing.
- 5 A. Staff adjusted the Company's revenue requirement for Pelham risk sharing based on the
  6 Company's inclusion of projected revenues from a committed large industrial customer
  7 that has yet to take service.<sup>17</sup>
- 8 Q. Is this adjustment appropriate?
- 9 A. No. The joint rebuttal testimony of Company witnesses William J. Clark and Steven E.
- Mullen discusses the Company's position regarding Pelham risk sharing. Attachment
- DBS/KAS-1-Rebuttal includes no adjustment related to Pelham risk sharing.
- 12 Q. Please summarize Staff's Adjustment #12 regarding the amortization of the
- 13 Company's depreciation reserve imbalance.
- 14 A. Staff recommends that the Company's current depreciation imbalance should stop, and
  15 the amortization removed from the Test Year. 18
- 16 Q. Is this a reasonable adjustment?
- 17 A. No. The rebuttal testimony of Mr. Mullen discusses the Company's response to the 18 Staff's position on the depreciation reserve imbalance amortization. Attachment

<sup>&</sup>lt;sup>17</sup> Frink Direct Testimony Bates 000037, line 20–Bates 00038, line 2

<sup>&</sup>lt;sup>18</sup> Frink Direct Testimony Bates 000042, lines 12–16.

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l		DBS/KAS-1-Rebuttal includes no adjustment related to EnergyNorth's current
2		depreciation imbalance amortization.
3	Q.	Please summarize Staff's Adjustment #13 regarding capitalized fleet depreciation.
4	A.	Staff recommended the Company remove from its rate base allocated capitalized fleet
5		depreciation expense and recover the removed amount in depreciation expense. <sup>19</sup>
6		Specifically, Staff's position is that the Company is incorrectly capitalizing a portion of
7		its fleet vehicle depreciation expense as a component of gas plant costs and should
8		instead expense the entire amount.
9	Q.	Is Staff's position correct?
10	A.	No. The Company's accounting treatment of these costs complies with the FERC
11		Uniform System of Accounts ("FERC USoA"). The Gas Plant Instructions in 18 C.F.R
12		Pt. 201, 3 - Components of construction cost, sections (4) and (5) state:
13 14 15 16 17		(4) "Transportation" includes the cost of transporting employees, materials and supplies, tools, purchased equipment, and other work equipment (when not under power) to and from points of construction. It includes amounts paid to others as well as the cost of operating the utility's own equipment. (See item 5 following.)
18 19 20 21 22 23 24 25 26 27		(5) Special machine service includes, the cost of labor (optional), materials and supplies, <i>depreciation</i> , and other expenses incurred in the maintenance, operation and use of special machines, such as steam shovels, pile drivers, derricks, ditchers, scrapers, material unloaders, and other labor saving machines; also expenditures for rental, maintenance and operation of machines of others. It does not include the cost of small value or short life which are include in the cost of materials and supplies. (See item 3, above.) When a particular construction job requires the use for an extended period of time of special machines, transportation or other equipment, the net book value thereof, less the appraised or salvage value

<sup>&</sup>lt;sup>19</sup> Mullinax Direct Testimony Bates 000042, lines 8–13.

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1 2		at the time of release from the job, shall be included in the cost of construction. (Emphasis added)
3		Fleet vehicles are routinely utilized to perform activities and to transport employees to
4		and from construction sites. Section 4 above makes it clear that the cost of operating the
5		"utility's own equipment" is an allowable capitalized cost. Depreciation is a cost of
6		operating the fleet vehicles and is even called out specifically under section 5 of FERC's
7		components of construction costs. Further, Note B to the instructions for Account 403
8		Depreciation Expense states:
9 10 11 12 13		Depreciation expenses applicable to transportation equipment, shop equipment, tools, work equipment, power operated equipment and other general equipment may be charged to clearing accounts as necessary in order to obtain a proper distribution of expenses between construction and operation.
14		Thus, the capitalization of depreciation expense under these conditions is necessary and
15		appropriate under US GAAP standard ASC 360, and the Uniform System of Accounts.
16		For those reasons, Staff's proposed adjustment to capitalized fleet depreciation expense is
17		unfounded and should be rejected.
18	Q.	Do you have any other concerns with Staff's testimony regarding its adjustment to
19		rate base and depreciation expense for capitalized fleet depreciation?
20	A.	Yes. Contrary to Staff's view, the accounting treatment in question is a benefit to
21		customers. For rate making purposes, uncapitalized operating expenses are recovered
22		annually while capitalized expenses are recovered over the life of the underlying asset.
23		In essence, what the Company does is take a small amount of depreciation expense,

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recognizing it as a cost of construction and therefore correctly including it in the cost of a long-lived asset, and amortizing recovery of that amount over many years. Through capitalization, future customers will pay their fair share of all of the costs involved with installation of a new asset, including fleet depreciation, while under Staff's approach costs would only be borne by the current generation of customers.

# 6 Q. Please summarize Staff's Adjustment #15 regarding interest synchronization.

A. Staff's adjustment synchronizes rate base and cost of capital with the tax calculation using Staff's proposed weighted cost of debt.<sup>20</sup>

# 9 Q. Do you agree with this adjustment?

10 A. Yes, in theory. The Company agrees that interest synchronization should be adjusted to
11 reflect any final adjustments to rate base and the cost of capital. That approach is
12 consistent with the approach taken by the Company in its original filing and CU filing.
13 Schedule RR-EN-3-8, line 11 shows the adjusted amount of synchronized interest
14 expense of \$7,626,555, which is \$407 lower than the \$7,626,962 included in the CU
15 filing.

<sup>&</sup>lt;sup>20</sup> Mullinax Direct Testimony Bates 000042, lines 16–19.

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1	Q.	Does the Company agree with Staff's proposed adjustments relative to the cost of
2		capital?
3	A.	No. Liberty supports its initial filing with respect to the return on equity and capital
4		structure. This is discussed in the rebuttal testimony of Company witness John Cochrane
5		of FTI Consulting.
6	Q.	Ms. Mullinax's testimony also includes adjustments that are labeled "iNATGAS"
7		and "Keene Risk Sharing." What is the Company's position with respect to those
8		adjustments?
9	A.	Both of Staff's proposed adjustments should be rejected. These topics are addressed in
10		the joint rebuttal testimony of Messrs. Clark and Mullen.
11	Q.	Did you update the functional cost of service model to reflect the Company's
12		rebuttal revenue requirement position?
13	A.	Yes. We have provided an updated functional cost of service model based on the
14		Company's rebuttal revenue requirement. <sup>21</sup> The proposed revenue increase related to the
15		cost of gas has decreased by \$20,207 from the CU filing amount of \$2,033,998, to
16		\$2,013,791.
17	Q.	Does this conclude your rebuttal testimony?
18	A.	Yes, it does.

<sup>&</sup>lt;sup>21</sup> Attached as Attachment DBS/KAS-4-Rebuttal.

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

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

Adjustment No.	Source	Schedule Changed	Description	•	ent Amount - te Base	Cha	ange 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	EnergyNorth				
1	Rate Base	RR-5	\$	346,131,311			
2	Nate Dase	KK-3	Ф	340,131,311			
3	Target Rate of Return on Rate Base	RR-4		7.47%			
4							
5	Operating Income Requirement	Line 1 X Line 3	\$	25,856,009			
6							
7	Operating Income at Present Rates	RR-2	\$	22,519,695			
8							
9	Operating Income Deficiency	Line 5 - Line 7	\$	3,336,314			
10							
11	Gross-up Factor for Additional Income Taxes	Line 19		1.3714			
12 13	Davanya Dafiaianay	Line 9 X Line 11	¢	1 575 200			
13	Revenue Deficiency	Line 9 X Line 11	<b>3</b>	4,575,308			
15	Gross-up Factor for Income Taxes						
16	Federal Income Tax Rate	_		21.00%			
17	New Hampshire State Income Tax Rate			7.70%			
18	Combined Income Tax Rate	Line 16 + Line 17 - (Line 16 X Line 17)		27.08%			
19	Gross-up Factor	1 / (1- Line 18)		1.3714			
20	1	, ,					
21	Additional Income Tax Required	<i>Line 13 - Line 9</i>	\$	1,238,993			
22							
23	Distribution Revenue at Present Rates	RR-2	\$	94,850,554			
24							
25	% Increase Needed	<i>Line 13 / Line 23</i>		4.82%			
26							
27	Revenue with Increase	RR-2	\$	99,425,862			
28	0/2						
29	% Increase Needed - Total Revenue			2.79%			

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

	Source							RR-EN-3				RR-1		
Line Account		Test Year Ended December 3 2019		Ended Cost of Gas & cember 31, LDAC		Distribution Operating Income		Known and Measurable Adjustments		Test Year at Current Rates		Proposed Increase		Distribution Operating ncome with Proposed Increase
1	Revenue													
2	Operating Revenue	\$	157,984,809	\$	(72,649,313)	\$ 85,335,497	\$	1,348,864	\$	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		- 1	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								F	R-EN-3					R	<u> R-EN-3</u>
Line	Account	Account Number		Year Ended ber 31, 2019	Co	ost of Gas & LDAC	0	stribution perating Income	Me	own and asurable ustments		st Year At rrent Rates		Labor		bor Pro Forma
1	OPERATION AND MAINTENANCE EXPENSES															
2	O&M - Gas Production	=40		0.000				0.000						0.44.64.		0.50 0.54
3	Operation Supervision and Engineering	710 717	\$	976,663	\$	-	\$	976,663	\$	13,426	\$	990,089	\$	944,645	\$	958,071
5	Liquefied Petroleum Gas Expenses Liquefied Petroleum Gas	728		-		-		-		-		-		-		_
6	Gas Mixing Expense	733		185,703		_		185,703		(121,666)		64,037		185,703		188,343
7	Miscellaneous Production Expenses	735		514,254		-		514,254		(44,534)		469,719		-		-
8	Maintenance of Production Equipment	742		119,531		-		119,531		-		119,531		-		-
9	Natural Gas City Gate Purchases	804		1,458,035		(1,458,035)		-		-		-		-		-
10	Other Gas Purchases	805		67,686,807		(67,686,807)		-		-		-		-		-
11	Gas Withdrawn from Storage	808		1,214,522		(1,214,522)		-		-		-		-		-
12 13	Operation Labor and Expenses	841		(1.067.471)		1 002 597		26 116		4		26,120		263		267
14	Other Expenses Total O&M - Gas Production	846	\$	(1,967,471) 70,188,045	\$	1,993,587 (68,365,777)	\$	26,116 1,822,267	\$	(152,771)	\$	1,669,496	\$	1,130,611	\$	1,146,680
15	Total Octivi - Gas Froduction		<u> </u>	70,100,043	Ψ	(00,303,777)	Ψ	1,022,207	Ψ	(132,771)	Ψ	1,000,400	Ψ	1,130,011	Ψ	1,140,000
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		536,299		-		536,299		4,219		540,518		331,359		336,069
20	Distribution Load Dispatching	871		575,530		-		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	876 878		1 110 200		-		1 110 200		14.767		1 122 075		1,038,978		1 052 744
24 25	Meter and House Regulator Expenses Customer Installations Expenses	879		1,118,308 629,292		-		1,118,308 629,292		14,767 8,858		1,133,075 638,150		623,226		1,053,744 632,084
26	Other Expenses	880		1,717,919		-		1,717,919		12,280		1,730,199		864,000		876,280
27	Rents	881		10,618		_		10,618		12,200		10,618		-		670,200
28	Maintenance Supervision and Engineering	885		-		_		-		_				_		_
29	Maintenance of Structures and Improvements	886		147,555		-		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		-		-		-		-		-		-		-
32	Maintenance of Services	892		462,357		-		462,357		2,929		465,285		206,069		208,998
33	Maintenance of Meters and House Regulators	893		351,020		-		351,020		3,746		354,765		263,554		267,300
34	Maintenance of Other Equipment	894	_	345,205	_	-		345,205		1,379		346,584	_	97,049		98,428
35	Total O&M - Distribution		\$	14,187,750	\$	((0.2(5.777)	\$	14,187,750	\$	117,974	\$	14,305,724	\$	8,432,825	\$	8,552,678 <b>9,699,359</b>
36 37	Total O&M - Gas Production and Distribution		<u> </u>	84,375,795	\$	(68,365,777)	\$	16,010,018	\$	(34,797)	\$	15,975,221	\$	9,563,437	\$	9,099,359
38	<b>Customer Accounts Expenses</b>															
39	Supervision Supervision	901	\$	243,201	\$	-	\$	243,201	\$	3,457	\$	246,658	\$	243,201	\$	246,658
40	Meter Reading Expenses	902		323,371		-		323,371		4,231		327,602		297,723		301,954
41	Customer Records and Collection Expenses	903		2,734,690		-		2,734,690		22,421		2,757,111		1,577,532		1,599,953
42	Uncollectible Accounts	904 0		1,680,770		-		1,680,770		-		1,680,770		-		-
43	Bad Debt Expense - Commodity	904 1		(983,441)		983,441		-		-		-		-		-
44	Miscellaneous Customer Accounts Expenses	905	_	13,047		-		13,047		-		13,047	_	-		-
45	Total Customer Accounting		\$	4,011,638	\$	983,441	\$	4,995,080	\$	30,109	\$	5,025,189	\$	2,118,456	\$	2,148,565
46 47	Customer Service and Informational & Sales Expenses															
48	Cust Assistance	908	\$	_	\$		\$	_	\$		\$	_	\$	_	\$	
49	Informational and Instructinal Advertising Expenses	909	Ψ	95,856	Ψ	_	Ψ	95,856	Ψ	(14,122)	Ψ	81,733	Ψ	21,409	Ψ	21,713
50	Cust Service Misc	910		15,180		-		15,180		(11,122)		15,180				-
51	Sales & Advertising	912		449,660		-		449,660		5,946		455,606		418,379		424,325
52	Advertising Expenses	913		26,484		-		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		\$	663,477	\$	-	\$	663,477	\$	(33,575)	\$	629,902	\$		\$	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	Alice Condition of the															
57	Administrative and General Expenses	020.0	e.	2 (00 122	6		6	2 (00 122	e.	24.640	6	2 724 700	6	2 427 921	e.	2 472 460
58 59	A&G Salaries	920 0 920 1	\$	2,690,132	2	-	\$	2,690,132	3	34,648	3	2,724,780	\$	2,437,821 Allocate		2,472,469
60	A&G Salaries - LU Head Office Office Supplies and Expenses	920 1		3,128,482 2,214,501		-		3,128,482 2,214,501		(16,202)		3,128,482 2,198,299		Allocati	eu co:	SIS
61	Administrative Expenses Transferred	922 0		(13,438,703)		-		(13,438,703)		233,952		(13,204,750)				-
62	LU Labor Allocations Capitalized	922 1		(2,935,673)		_		(2,935,673)		-		(2,935,673)		Allocate	ed co	sts
63	Outside Services Employed	923 0		1,038,455		-		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		51,523		-		51,523		-		51,523		-		-
66	Injuries and Damages	925		814,179		-		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 Rents	930		1,146		-		1,146		(42.627)		1,146		-		-
		931		173,951		-		173,951		(42,637)		131,314		-		-
70		022														
70 71	Maintenance of General Plant	932	\$	-	ç		\$	8 719 450	\$	(643 667)	\$	8 075 782		2 437 821	\$	2 472 460
70		932	\$ \$	8,719,450 <b>97,770,361</b>	\$ <b>\$</b>	(67,382,336)	\$ <b>\$</b>	8,719,450 <b>30,388,025</b>	\$ <b>\$</b>	(643,667) (681,930)		8,075,783 <b>29,706,094</b>	\$ \$		\$ \$	2,472,469 <b>14,843,813</b>

Docket No. DG 20-105 Attachment DBS/KAS-1-Rebuttal Schedule RR-EN-2-1(R)

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 Source	0							RR-EN-3				ا	RR-EN-3
Line	Account	Account		t Year Ended mber 31, 2019	Co	st of Gas & LDAC	istribution Operating Income	K M	nown and leasurable ljustments	est Year At rrent Rates	_	Labor	L	abor Pro Forma
75 76 77 78 79 80	DEPRECIATION AND AMORTIZATION EXPENSE Depreciation Expense Amortization - Intangibles Regulatory Debits - Amortization of Regulatory Assets Regulatory Credits - Amortization of Regulatory Liabilities Total Depreciation and Amortization Expense	403 405 407 3 407 4	\$	18,173,439 3,435,643 705,261 3,025,052 25,339,396		(3,025,052) (3,025,052)	\$ 18,173,439 3,435,643 705,261 - 22,314,344		1,836,152 (128,313) 186,853 (1,308,511) 586,182	20,009,591 3,307,330 892,115 (1,308,511) 22,900,526				
81 82 83 84 85	TAXES OTHER THAN INCOME TAXES Taxes other than Income Taxes - Payroll Taxes Taxes other than Income Taxes - Property Taxes Total Taxes other than Income Taxes	408 408	\$	1,625,755 12,404,863 14,030,617		- - -	\$ 1,625,755 12,404,863 14,030,617		372,220 (209,402) 162,818	1,997,975 12,195,461 14,193,436				
86 87 88 89 90	FEDERAL / STATE INCOME TAXES Income Tax Expense Subtotal - Income Tax	409-410	\$	3,709,928 3,709,928	\$	-	\$ 3,709,928 3,709,928	\$	1,820,876 1,820,876	\$ 5,530,804 5,530,804				
92 93 94	TOTAL EXPENSES		\$	140,850,302	\$	(70,407,388)	\$ 70,442,914	\$	1,887,946	\$ 72,330,860	\$	14,635,799	\$	14,843,813
95 96 97 98 99 100 101	REVENUES Operating Revenue Decoupling COG Revenue (credit to Account 846) Other Revenue Total Revenue		\$	157,984,809 4,965,231 1,207,376 164,157,416		(72,649,313) - 1,993,587 - (70,655,726)	85,335,497 4,965,231 1,993,587 1,207,376 <b>93,501,690</b>		1,348,864 - - - 1,348,864	86,684,361 4,965,231 1,993,587 1,207,376 <b>94,850,554</b>				
102 103 104	UTILITY NET INCOME TOTAL RATE BASE	RR-EN-5	\$ \$	23,307,114	\$	(248,338)	23,058,776	\$	(539,082)	22,519,695 346,131,311				
105 106 107	Income Tax Rate			13 73%			13 86%			19 72%				
108	Rate of Return			6 73%			6 66%			6 51%				

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

2,437,821 ated costs

(84,318)

(36,883)

(42,637)

Page 1 of 2

Income Tax Income Tax
Expense Historical
Test Year
Test Year Historical Test Year Labor Expense Pension and Account Number Revenue Salary and Payroll Tax Adjustments Wage Expense Expense Depreciation Expense Amortization Other Line Account Total Property Tax Adjustments Expense OPERATION AND MAINTENANCE EXPENSES
O&M - Gas Production
Operation Supervision and Engineering
Liquefied Petroleum Gas Expenses
Liquefied Petroleum Gas Expenses
Liquefied Petroleum Gas
Gas Mixing Expense
Miscellamens Production Expenses
Maintenance of Production Expenses
Maintenance of Production Expenses
Maintenance of Production Expenses
Other Gas Purchases
Other Gas Purchases
Other Gas Purchases
Other Gas Purchases
Operation Labor and Expenses
Operation Labor and Expenses
Total O&M - Gas Production 13,426 13,426 944,645 6.45% 0.00% 0.00% 1.27% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 710 717 728 733 735 742 804 805 808 841 846 185,703 (152,771) Total Odd - Gas Production

O&M - Distribution Expenses

Measuring and Regulating Station Expenses (Transmissi
Maintenance of Mains (Transmission)
Maintenance of Mains (Transmission)
Maintenance of Mains (Transmission)
Maintenance of Maintenance of Maintenance
Measuring and Regulating Station Expenses - General
Measuring and Regulating Station Expenses - Industrial
Meter and House Regulating Station Expenses - Industrial
Meter and House Regulation (Station Expenses)
Customer Installations Expenses
Customer Installations Expenses
Rents
Maintenance of Storeutene and Improvements
Maintenance of Storeutene and Improvements
Maintenance of Measuring and Regulating Station Expenses
Maintenance of Measuring and Regulating Station Expendiantenance of Storeutenes
Maintenance of Measuring and Regulations
Maintenance of Measuring and Regulations
Maintenance of Merse and House Regulators
Maintenance of Starishution
Total O&M - Starishution
Total O&M - Starishution (491) (1,388) 1,038,978 623,226 864,000 14,767 8,858 12,280 14,767 8,858 12,280 1,706 11,591 1,706 11,591 120,051 815,525 Customer Accounts Expenses
Supervision
Supervision
George Records and Collection Expenses
Customer Records and Collection Expenses
Unstoner Records and Collection Expenses
Hard Debt Expense - Commodity
Miscellamoous Customer Accounts Expenses
Total Customer Accounting 30,109 S 30,109 \$ 2,118,45 Customer Service and Informational & Sales Expense
Cust Assistance
Informational and Instructinal Advertising Expenses
Cust Service Mise
Sales & Advertising
Advertising Expenses
Miscullineous Sales Expenses
Miscullineous Sales Expenses
Total Customer Accounts Customer Service and Informational & Sales Expensed
Total Customer Accounts Customer Service and Inform (14,122) 304 \$ (14,426) 21,409 5,946 5,946 (26,484) 418,379 \$ (26,484.00) 1,084 (33 575) (3 466) Total Customer Accounts Customer Serv Administrative and General Expenses AGO Salaries AGO Salaries and Salaries AGO Salaries 1-U Head Office Office Supplies and Expenses Customer Salaries (Capital Salaries) Outside Services Employed Allocated LU Head Office Imprires and Dumpes Employee Pensions and Benefits Regulatory Commission Expenses Miscellaneous General Expenses Miscellaneous General Expenses Resets

233,952

(732 228)

Kents Maintenance of General Plant Total Administrative & General Total Operation and Maintena

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

539,082

34,648

(16,202) 233,952

(84,318)

(732,228) (36,883)

(42,637)

34,648

(1,348,864)

208,014

372,220

(498,276)

1,836,152

(1,249,970)

(168,070)

1,473,766

347,110

(433,001)

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

Liberty Utilities (Energy North)
Summary of Adjustments
Test Vear Ended December 31, 2019

Account

Total

Revenue
Adjustments
Varies

Adjustments
Varies
Va

Line	Account	Account Number	Total		Revenue Adjustments	Salary and Wage Expen		oll Tax pense	Pension and Benefits Expense	Deprecia Expen		Amortization Expense	Property Tax	Expense - Historical Test Year	Inc	come Tax Expense - Forma Test Year at Current Rates	Other Adjustments	Historical Test Year Labor Expense	% Tota Labor
74																			
75	DEPRECIATION AND AMORTIZATION EXPENSE																		
76	Depreciation Expense	403.0		36,152						\$ 1,834	6,152								
77	Amortization - Intangibles	405.0		28,313)								(128,313							
78	Regulatory Debits	407.3		86,853								186,853							
79	Regulatory Credits - Amortization of Regulatory Assets	407.4		08,511)								(1,308,511						-	
80	Total Depreciation and Amortization Expense		S 5	86,182	S -	S -	S	-	S -	\$ 1,830	6,152	\$ (1,249,970	) S -	S -	S		\$ -	_	
81																			
82	TAXES OTHER THAN INCOME TAXES																		
83	Taxes other than Income Taxes - Payroll Taxes	408		72,220			S :	372,220											
84	Taxes other than Income Taxes - Property Taxes	408		09,402)									(168,070)				(41,332)		
85	Total Taxes other than Income Taxes		S 1	62,818	S -	S -	S	372,220	S -	S	-	S -	\$ (168,070)	S -	S		\$ (41,332)	<u>!</u>	
86																			
87	FEDERAL / STATE INCOME TAXES																	_	
88	Income Tax Expense		S 1,8	20,876	S -	S -	S	-	S -	S	-	S -	S -	\$ 1,473,76	6 S	347,110	S -	_	
89																			
90																			
91																		_	
92	TOTAL EXPENSES		\$ 1,8	7,946	S -	\$ 208,01	4 \$ 3	372,220	\$ (498,276)	\$ 1,830	6,152	\$ (1,249,970	) \$ (168,070)	\$ 1,473,76	6 S	347,110	\$ (433,001)	<u> </u>	
93																			
94	REVENUES																		
95	Operating Revenue		\$ 1,3	48,864	\$ 1,348,864														
96	Other Revenue			-	-														
97	Total Revenue		\$ 1,3	48,864	\$ 1,348,864	S -	S	-	S -	\$	-	S -	S -	S -	S		\$ -	-	
98																		-	
99	UTILITY NET INCOME		S (5)	9,082)	S 1,348,864	S (208,01	(4) S (3	372,220)	\$ 498,276	S (1,83)	6,152)	\$ 1,249,970	\$ 168,070	\$ (1,473,76	6) S	(347,110)	\$ 433,001	-	
						. (20000		/										-	

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

	Current Amounts										
Line	Description	(	12/31/2019	Source/Notes							
		7	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								

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

1	Test Year LU NH Labor Charged to EnergyNorth Less: vacancy adjustment	s	
1	e es	2	
	Less: vacancy adjustment	Ψ	14,635,799
			211,691
_	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
	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			
	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

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

Line	Particulars	Expense (\$)			
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	

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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	\$	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	Adjustment - Including Capitalized Portion of Pensions and OPEBs - To Account 926		(732,228)
12			(500.004)
13	Total Ln 5		(680,094)
14 15	Capitalization Rate		34 40%
16	Adjustment - Capitalized Portion - To Account 922	· ·	222 052
17	Aujustinent - Capitanzeu Fortion - 10 Account 222	•	233,952
18			
19	Adjustment to Rate Year Expense	· ·	(498,276)
20	Aujustinent to Nate Tear Expense	3	(478,270)
21			

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

						Plant in Se	rvice			Pro Forma	Accumulated Reserve			
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 Reser
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	909,178	185,436	723,742	241,247	526,686	41,208		485,47
4	Capital Software - 5 Years	303.2	20.00%		-	141,332	13,103,294		13,103,294	2,620,659	10,753,219			10,753,21
5	Capital Software - 10 Years	303.4	10.00%		-	34,862	3,232,162	-	3,232,162	323,216	2,322,064	-		2,322,06
6	Subtotal - INTANGIBLE PLANT			\$ 16,662,672 \$	989,181	\$ 186,000	17,495,584	S 185,436	\$ 17,310,148	\$ 3,185,122	S 13,601,969	\$ 41,208	\$ -	\$ 13,560,76
7										•				
8	Land & Land Rights	304		\$ 97,504	S -	S - 5					S -	S -	S -	S -
9	Structures and Improvements	305	2.86%	815,122	37,045	-	852,167	-	852,167	24,372	280,124	-		280,12
10	Liquefied Petroleum Gas Equipment	311	2.86%		-	-	-	-		-	(35,647)	) -		(35,64
11	Gas Mixing Equipment	319	5.00%	336,984	31,360	-	368,345	-	368,345	18,417	241,392	-		241,39
12	Other Equipment - LNG	320.0	2.86%	294,148	21,422	-	315,570		315,570	9,025	(57,148)	) -		(57,14
13	Other Equipment	320.1	2.86%	3,478,111	0	-	3,478,111	-	3,478,111	99,474	1,389,131	-		1,389,13
13	Purification Equipment	361	2.86%	96,980	-	-	96,980	-	96,980	2,774	17,233	-		17,23
15	Other Equipment	363	2.86%	7 646	-	-	7 646	-	7 646	219	2 044	-		2 04
16	Subtotal - PRODUCTION PLANT			\$ 5126494 \$	89 827	s - s	5 216 322	\$ -	\$ 5216322	S 154 281	S 1 837 129	s -	S -	\$ 1 837 12
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	-		460,29
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 15
21	Subtotal LNG Terminaling and Processing			\$ 4,595,825 \$	(33,412)	\$ - :	8 4,562,412	\$ -	\$ 4,562,412	S 222,350	S 2,860,448	\$ -	\$ -	S 2,860,44
22														
23	Land & Land Rights	365	0.00%	S -	S -	S -	S -	S -	S -	S -	S -		S -	S -
24	Structures and Improvements	366.2	2.86%	-	-	-	-	-	-	-	(34,860)		-	(34,86
25	Structures and Improv-Other	366.3	2.86%	-	-	-	-	-	-	-	(48,434)		-	(48,43
26	Mains	367	1.92%	11,722,426	(11,827)	29,863	11,740,462	-	11,740,462	225,417	404,274	-		404,27
27	Measuring and Regulating Station Equipment	369	2.86%	115,257	22,924	-	138,182		138,182	3,952	(18,159)	) -		(18,15
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	-	1,689,296	-	1,689,296	48,314	213,309	-	-	213,30
30	T&D Mains - STL-PLST-CI-Mixed	376.0	1.92%	257,097,448	29,961,341	25,023,889	312,082,678		312,082,678	5,991,987	72,204,757	-	2,799,937	
31	T&D Mains - OTH	376.1	1.92%	288	-	-	288		288	6	288	-	11	
32	T&D Mains - PLST	376.2	1.92%	2,783,066	305,297	1,444,003	4,532,366		4,532,366	87,021	988,333	-	38,325	
33	T&D Mains - CI	376.3	1.92%	6,137	-	-	6,137	-	6,137	118	6,137	-	238	
34	T&D Mains - Valve > 4"	376.4	1.92%	7,061	-	-	7,061	-	7,061	136	984	-	38	
35	Dist-Compressor station equipment	377	1.92%	-	2,246,186	-	2,246,186	-	2,246,186	43,127	192,723	-	-	192,72
36	Measuring and Regulating Station Equipment - General	378	2.86%	6,490,028	943,675	1,587	7,435,290		7,435,290	212,649	4,358,391	-		4,358,39
37	Dist-Measuring and regulating station equipment-Ci	379	2.86%	1,883,503	3,411,244	-	5,294,746		5,294,746	151,430	1,321,095	-		1,321,09
38	T&D Gas Services - STL	380.0	3.55%	159,518,056	10,726,295	6,311,903	176,556,254	-	176,556,254	6,267,747	86,081,825	-	872,591	
39	T&D Gas Services - OTH	380.1	3.55%	893,282	124,699	371,956	1,389,937	-	1,389,937	49,343	151,982	-		151,98
40	T&G Gas Services - PLST	380.2	3.55%	757,753	153,465	66,375	977,594		977,594	34,705	250,267	-	-	250,26
41	Meters	381.0	3.13%	13,446,533	(201,985)	1,550,680	14,795,228	-	14,795,228	463,091	4,544,359	-	919	
42	Meters - Instrument	381.1	3.13%	276,522	-	-	276,522	-	276,522	8,655	113,499	-	-	113,49
43	Meters - ERTS	381.2	6.67%	6,073,154	(27,801)	-	6,045,353		6,045,353	403,225	2,744,146	-	-	2,744,14
44	Meter Installations	382	3.13%	18,597,177	-	7,464,547	26,061,724		26,061,724	815,732	4,122,684	-	-	4,122,68
45	Indust meas and reg station equip	385	2.86%	-	53,375	-	53,375	-	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 79
47	Subtotal - DISTRIBUTION PLANT			\$ 481,839,040 \$	49,321,346	\$ 43,203,966 \$	574,364,353	\$ -	\$ 574,364,353	\$ 14,949,031	\$ 178,681,730	\$ -	\$ 3,713,289	\$ 174,968,44

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

						Plant in S	ervice			Pro Forma	Accumulated Reserve			
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
48														
49	Land & Land Rights	389	0.00%	\$ 174,525 \$	(53,036)						S -	S -	S -	S -
50	Structures and Improvements	390.0	2.86%	18,958,404	2,605,825	1,068,183	22,632,412		22,632,412	647,287	5,559,722	-	26,833	5,532,889
51	Structures and Improvements - Boiler	390.1	2.86%	20,705	-	-	20,705	-	20,705	592	21,812	-		21,812
52	Structures and Improvements	390.2	2.86%	-	-	-		-	-	-	5,360	-		5,360
53	Office Furniture and Equipment	391.0	5.28%	357,246	176,299	102,823	636,368		636,368	33,600	119,886	-	-	119,886
54	Office Furniture and Equipment - Computers	391.1	10.00%	846,215	-		867,103		867,103	86,710	(403,214)	-		(403,214)
55	Office Furniture and Equipment - Laptop Computers	391.2	20.00%	834,476	44,256	20,888	899,621		899,621	179,924	440,849	-		440,849
56	Transportation Equipment - Auto	392.0	20.00%	5,380,959	1,102,627	1,230,529	7,714,115		7,714,115	1,542,823	3,451,477	-	-	3,451,477
57	Transportation Equipment - Truck	392.1	20.00%	170,840	(20,060)	-	150,780		150,780	30,156	150,780	-		150,780
58	Transportation Equipment - Van	392.2	20.00%	13,613	128,607		142,220	-	142,220	28,444	13,613	-		13,613
59	Transportation Equipment - Van	392.3	20.00%		-	-		-			34,070	-		34,070
60	Stores Equipment	393	3.33%	99,421	-	38,722	138,142	-	138,142	4,600	35,198	-		35,198
61	Tools, Shop, 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
62	Tools, Shop, and Garage Equipment - CNG Station	394.1	5.26%		-			-			(33,749)	-		(33,749)
63	Power Operated 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
64	Power Operated Equipment >=12,000 lbs	396.1	20.00%	177,393			177,393	-	177,393	35,479	461,164			461,164
65	Power Operated Equipment <=12,000 lbs	396.2	20.00%								44,952			44,952
66	Communications Equipment	397	10.00%	507,407	165,492	219,503	892,402		892,402	89,240	433,204			433,204
67	Miscellaneous Equipment	398	6,67%	485,924		317,050	802,973		802,973	53,558	251,165			251,165
68	Subtotal - GENERAL PLANT			S 29 522 360 S	6 463 862				\$ 39 736 540	S 3 148 341		s -	S 26 833	11 524 653
69					0.100.002							-		
70	TOTAL			S 537,746,391 S	56,830,804	S 47,140,284 S	641,375,210	\$ 185.436	\$ 641,189,774	S 21,659,125	S 208,532,762	S 41,208	S 3.740.121	S 204.751.433
71	TOTAL			9 3311140,331 9	30,030,004	3 47,140,204 0	041,575,210	9 105,450	9 041,102,774	0 21,007,1125	0 200,002,102	9 41,200	9 5,740,121	3 204(/31(433
72	OPI-LAND RETAINED	121					13,665		Non-Rate Base					
73	OPI-STRUCTURES-RETAINED	121.1					133,284		Non-Rate Base		133,284			Not In Rate Base
74	PLANT HELD FOR FUTURE USE	105					852,305		Non-Rate Base		133,284			NOT III Rate Dase
75	PLANT HELD FOR FUTURE USE	103					832,303		Non-Rate base					
76	GRAND TOTAL			S 537,746,391 S	56 930 904	S 47.140.284	S 642.374.464	\$ 195.426	S 641.189.774	\$ 21,659,125	\$ 208,666,046	S 41.208	S 3,740,121	S 204,751,433
77	GRAND TOTAL			3 337,740,391 3	30,830,804	3 47,140,284	3 042,374,404	3 183,430	3 041,189,774	3 21,039,123	3 208,000,040	3 41,208	3 3,/40,121	5 204,/31,433
78	Less Amortization expense included above						To RR-EN-3-6			S (3.185,122)				
79	Depreciation Expense, as Calculated						10 KK-EN-3-0			S 18,474,003				
80	Depreciation Expense, as Calculated Depreciation Reserve Imbalance									S 9.213.530				
81	Amortization Period									3 9,213,330				
81		+ 402)								S 1,535,588				
82 83	Depreciation Reserve Imbalance Adjustment Amortization (Accoun	it 403)								S 1,535,588 S 20,009,591				
83	Pro Forma Depreciation Expense									\$ 20,009,591 \$ 18 173 439				
	Test Year Actual Depreciation Expense													
85	Adjustment to Depreciation Expense									\$ 1,836,152				

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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	- Lagutonian		<u> </u>
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	A II		
31	Adjustment 4: Account 8640-4050 - Amortization of Intangibles	DD ENIA 5	A 2 105 122
32	Annual Amortization Expense, as Calculated	RR-EN-3-5	\$ 3,185,122 \$ 733,248
33	Deprecation Reserve Imbalance (Account 405)		ψ /55,2.0
34	Amortization Period		\$ 122,208
35 36	Depreciation Reserve Impalance Amortization Pro Forma Annual Amortization Expense		\$ 122,208 3,307,330
37	Historical Test Year Expense	RR-EN-2-1	3,435,643
38	Adjustment	KK-EIN-2-1	\$ (128,313)
39	Augustinent		ψ (120,313)
40	Adjustment to Test Year Account 405.0		\$ (128,313)
41	rajustiment to rest real recount 705.0		(120,313)
42	Total Adjustment		\$ (1,249,970)
12	1 viai / Lujusiment		ψ (1,27),J/U)

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

Allenstown					Tax Year 2019			
2	Line	Municipality	Parcel	Installment #1	Installment #2	<b>Total Due</b>		
2	1	Allenstown	0400 001	\$ 30.526	\$ 32.637	\$ 63 163		
3         Ambrest         002-033-007         4,171         4,081         8,252           4         Auburn         000001/000001/0000TL         604         733         1,347           5         Bedford         1-1-A         45,894         59,286         105,180           6         Belmont         999-000-00-001         21,788         20,272         42,060           7         Berlin         000404-00051.00001.1         10,810         11,418         22,228           8         Boscawen         000099-00002-000000         10,906         12,263         23,169           9         Bew         0-9-99         71,941         78,266         150,207           10         Canterbury         000000-000000         3,726         2,682         6,08           11         Derry         35-102         37,832         57,824         95,656           12         Franklin         000-01-00         44,651         47,057         91,709           13         Gifford         210-002,000         53         70         123           14         Gifford         210-004,000         47         65         112           15         Gifford         210-004,000								
4         Auburn         000001/000001/000UTL         604         743         1,47           5         Bedford         1-1-A         45,894         59,286         105,180           6         Belmont         999-000-000-001         21,788         20,272         42,660           7         Berlin         000400-000001         10,810         11,418         22,228           8         Boscawen         00009-000000000000         10,906         12,263         23,169           9         Bow         0-9-99         71,941         78,266         150,207           10         Canterbury         00000-000000         37,252         52,682         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         210-02,000         33         70         123           14         Gilford         210-02,000         49         67         116           16         Gilford         210-03,000         3,36         3,95         7,290           18         Goffstown         99-4.2         29,805								
5         Bedford         1-1-A         45,894         59,286         105,180           6         Belmont         999-000-000-001         21,788         20,272         42,068           7         Berlin         00040-00051,00001         10,810         11,418         22,228           8         Boscawen         00009-00002-000000         10,906         12,263         23,169           9         Bow         0-9-99         71,941         78,266         150,207           10         Canterbury         000000-00002-000000         3,726         2,682         6,408           11         Derry         35-102         37,832         57,824         95,656           12         Franklin         00-001-00         44,651         47,057         91,709           13         Gilford         210-002,000         53         70         123           14         Gilford         210-002,000         49         67         116           15         Gilford         210-004,000         47         65         112           16         Gilford         210-004,000         3,336         3,954         7,290           18         Goffstown         99-4-2         29,805 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
6         Belmont         999-000-000-001         21,788         20,272         42,060           7         Berliin         000404-000051,00001         10,810         11,418         22,228           8         Boseawen         00099-000002-000000         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         00-00-100         44,651         47,057         91,709           13         Gilford         210-003,000         49         67         116           15         Gilford         210-004,000         47         65         112           16         Gilford         210-005,000         49         67         116           16         Gilford         210-005,000         49         67         116           16         Gilford         200-003,000         3,336         3,94         7,29           16         Gilford         200-003,000         3,309 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
7         Berlin         000404-000051 000001         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         000000-0000000         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         210-003,000         53         70         123           14         Gilford         210-003,000         49         67         116           15         Gilford         210-004,000         47         65         112           16         Gilford         210-004,000         47         65         112           17         Gilford         210-004,000         3,336         3,954         7,290           18         Golfstown         99-4-2         29,805         48,006         7,811           19         Golfstown         99-4-2         29,806								
8         Boscawen         000099-000002-000000         10,906         12,263         23,169           9         Bow         0-9-99         71,941         78,266         150,207           10         Canterbury         00000-000002-000000         3,726         2,682         6,488           11         Derry         35-102         37,832         57,824         95,656           12         Franklin         000-001-00         44,651         47,075         91,709           13         Gilford         210-002,000         53         70         123           14         Gilford         210-004,000         49         67         116           16         Gilford         210-005,000         49         67         116           16         Gilford         210-005,000         3,336         3,954         7,290           18         Goffstown         99-4-1         2,780         4789         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         0GAS-0001         3,009								
9         Bow         0-9-99         71,941         78,266         150,207           10         Canterbury         00000-000002-000000         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         210-003,000         49         67         116           15         Gilford         210-005,000         49         67         116           16         Gilford         210-005,000         3,336         3,954         7,290           17         Gilford         200-003,000         3,336         3,954         7,290           18         Goffstown         99-4-1         2,780         (478)         2,302           20         Hollis         056-027-001         2,647         2,614         5,261           21         Hooksett         0636-001-0001         3,009         2,834         5,842           22         Hooksett         0636-004-0001         3,009         2,834         5,843           23         Hudson         160-000         191,528								
Canterbury								
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   210-004,000   49   67   116     15   Gilford   210-004,000   49   67   116     16   Gilford   210-005,000   49   67   116     17   Gilford   200-003,000   3,336   3,954   7,290     18   Goffstown   99-42   29,805   48,006   77,811     19   Goffstown   99-41   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   0GAS-0001   148,146   139,528   287,674     23   Hudson   167-030-000   752   770   1,522     24   Hudson   167-030-000   788   807   1,594     25   Hudson   167-030-000   788   807   1,594     25   Hudson   167-030-000   788   807   1,594     25   Litchfield   000UTL-000UTL-000001   10,892   11,171   22,063     28   Londonderry   81-7-0   211,407   232,117   453,524     29   Londonderry   81-7-0   212,407   232,117   453,524     29   Londonderry   81-14-0   19,889   19,464   39,353     30   Loudon   00007-000004-000000   112,584   121,342   233,926     31   Manchester   0999-0075   992,725   1,031,404   20,24,189     32   Manchester   0752-0001   22,843   24,254   47,097     33   Manchester   0752-0001   22,843   24,254   47,097     34   Manchester   0799-00000   18,844   600   1,575     35   Manchester   0394-0004   310   329   663     36   Merrimack   0606-3-000000-00000   18,844   600   1,575     38   Milford   036-183-000-000   884   600   1,575     39   Nashua   0038-00063   88   93   181     40   Nashua   0038-00063   88   93   181     41   Nashua   0038-00063   88   93   181     42   Nashua   0041-00011   1,122,729   1,037,077   2,159,806     43   Nashua   0048-00000   13,83,83   3,83,83   3,83,83   3,83,83     44   Nashua   0048-00000   13,83,83   3,83,83   3,83,83   3,83,83   3,8								
12   Franklim   000-001-00   44,651   47,057   91,709   13   Gilford   210-002.000   53   70   123   14   Gilford   210-003.000   49   67   116   15   Gilford   210-005.000   47   65   112   116   Gilford   210-005.000   49   67   116   1		•						
13         Gilford         210-002.000         53         70         123           14         Gilford         210-003.000         49         67         116           15         Gilford         210-005.000         49         67         116           17         Gilford         20-003.000         3,336         3,954         7,290           18         Goffstown         99-4.2         29,805         48,006         77,811           19         Goffstown         99-4.1         2,780         (478)         2,302           20         Hollis         056-027-001         2,647         2,614         5,261           21         Hooksett         0036-0041-0001         3,009         2,834         5,843           22         Hodsett         0036-0041-0001         3,009         2,834         5,843           23         Hudson         167-030-000         788         807         1,594           24         Hudson         167-029-000         752         770         1,522           25         Hudson         167-029-000         752         770         1,522           26         Laconia         425/44/83/1         119,581         134,274		•						
14         Gilford         210-003.000         49         67         116           15         Gilford         210-004.000         47         65         112           16         Gilford         210-005.000         49         67         116           17         Gilford         200-003.000         3,336         3,954         7,290           18         Goffstown         99-4-2         29,805         48,006         77,811           19         Goffstown         99-4-1         2,780         (478)         2,302           20         Hollis         056-027-001         2,647         2,614         5,261           21         Hooksett         0036-0041-0001         3,009         2,834         5,843           23         Hudson         10-006-000         191,528         179,829         371,357           24         Hudson         167-029-000         752         770         1,522           24         Hudson         167-029-000         752         770         1,522           25         Hudson         167-029-000         752         770         1,522           26         Laconia         425/44/83/1         119,581         134,24								
15         Gilford         210-004.000         47         65         112           16         Gilford         210-005.000         49         67         116           17         Gilford         200-003.000         3,336         3,954         7,290           18         Goffstown         99-4-2         29,805         48,006         77,811           19         Goffstown         99-4-1         2,780         (478)         2,302           20         Hollis         56-027-001         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         107-030-000         788         807         1,594           24         Hudson         167-030-000         788         807         1,594           25         Hudson         167-030-000         752         770         1,522           26         Laconia         425/44/83/1         119,581         134,274         253,855           27         Litchfield         000TL-000TL-0000TL-000001         10,892 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
16         Gilford         210-005.000         49         67         116           17         Gilford         200-003.000         3,336         3,954         7,290           18         Goffstown         99-4-1         29,805         48,006         77,811           19         Goffstown         99-4-1         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         0GAS-0001         191,528         179,829         371,357           24         Hudson         167-030-000         788         807         1,594           24         Hudson         167-029-000         752         770         1,522           26         Laconia         425/44/83/1         119,581         134,274         253,855           27         Litchfield         000UTL-000UTL-00001         10,892         11,171         22,063           28         Londonderry         81-7-0         221,407         232,117         453,524           29         Londonderry         81-14-0								
17         Gilford         200-003.000         3,336         3,954         7,290           18         Goffstown         99-4-2         29,805         48,006         77,811           19         Goffstown         99-4-1         2,780         (478)         2,302           20         Hollis         056-027-001         2,647         2,614         5,261           21         Hooksett         036-0041-0001         3,009         2,834         5,843           23         Hudson         100-06-000         788         807         1,594           24         Hudson         167-030-000         788         807         1,594           25         Hudson         167-030-000         788         807         1,594           25         Hudson         167-030-000         788         807         1,592           26         Laconia         425/44/83/1         119,581         134,274         253,855           27         Litchfield         000UTL-0000UTL-000001         10,892         11,171         22,635           28         Londonderry         81-14-0         19,889         19,464         39,353           30         Loudon         000070-000004-00000								
18         Goffstown         99.4-2         29,805         48,006         77,811           19         Goffstown         99.4-1         2,780         (478)         2,302           20         Hollis         056-027-001         2,647         2,614         5,261           21         Hooksett         0036-0041-0001         3,009         2,834         5,843           22         Hooksett         0036-0041-0001         30,009         2,834         5,843           23         Hudson         107-030-000         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         Lichfield         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         39,33           30         Loudon         0000070-000000         112,584         121,342         233,926           31         Manchester         0								
19         Goffstown         99-4-1         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         81-14-0         221,407         232,117         453,524           29         Londonderry         81-14-0         19,889         19,464         39,353           30         Loudon         00007-000000-00000         112,584         121,342         233,926           31         Manchester								
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         100-06-000         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         435,524           29         Londonderry         81-14-0         19,889         19,464         39,353           30         Loudon         00070-000004-00000         112,584         121,342         233,926           31         Manchester         0999A-0075         992,725         1,031,464         2,024,189           32         Manc								
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-000011         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         000070-00004-000000         112,584         121,342         233,926           31         Manchester         0999A-0075         992,725         1,031,464         2,024,189           32         Manchester         058-0002A         72         76         148           34         Manchest								
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         00007-000004-00000         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         058-0002A         72         76         148           44         Marchister								
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         000070-0000000         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								
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         0508-002A         72         76         148           34         Manchester         0394-0004         310         329         639           35         Machester         0471-0008         529         562         1,091           36         Merrimack <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
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         39,333           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-3-00000-00000         884         690         1,575           38         Milford								
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         33,253           30         Loudon         000070-000004-000000         1112,584         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         060-3-00000-00000         884         690         1,575           38         Milford         036-183-000-000         884         690         1,575           38         Milford </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
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         39,553           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         0394-0004         310         329         639           35         Manchester         0471-0008         529         562         1,091           36         Merrimack         066D-3-000000         884         690         1,575           38         Milford         035-007-000-000         56,819         63,292         120,111           39         Nashua								
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         0038-00063         88         93         181           41         Nashua								
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         066D-3-000000-00000         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         0038-00020         139         146         285           42         Nashua         00					· · · · · · · · · · · · · · · · · · ·			
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-3-0000000-00000         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         0008-00000 <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>		-						
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-3-000000-00000         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         00041-00011         1,122,729         1,037,077         2,159,806           43         Nashua         0000PC-00005		-						
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         0041-0011         1,122,729         1,037,077         2,159,806           43         Nashua         0000PC-00005         50,409         22,535         72,944           44         Northfield         000999-000001-000001 <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>					· · · · · · · · · · · · · · · · · · ·			
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         1,037,077         2,159,806           43         Nashua         0041-00011         33,990         35,226         69,216           45         Pembroke         999-11         67,304         51,160         118,464           46         Sanborton         00,003.000.000 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
34         Manchester         0394-0004         310         329         639           35         Manchester         0471-0008         529         562         1,091           36         Merrimack         006D-3-000000-00000         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         1,037,077         2,159,806           43         Nashua         0041-00011         1,122,729         1,037,077         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 <td< td=""><td></td><td>Manchester</td><td></td><td>22,843</td><td>· · · · · · · · · · · · · · · · · · ·</td><td>47,097</td></td<>		Manchester		22,843	· · · · · · · · · · · · · · · · · · ·	47,097		
35         Manchester         0471-0008         529         562         1,091           36         Merrimack         006D-3-00000-000000         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         0038-0063         88         93         181           41         Nashua         0038-00020         139         146         285           42         Nashua         0041-00011         1,122,729         1,037,077         2,159,806           43         Nashua         0000PC-00005         50,409         22,535         72,944           44         Northfield         000999-00001-000001         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         000		Manchester						
36         Merrimack         006D-3-00000-000000         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         1,037,077         2,159,806           43         Nashua         0000PC-00005         50,409         22,535         72,944           44         Northfield         000999-00001-000001         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		Manchester	0394-0004					
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         1,037,077         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						1,091		
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         1,037,077         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	36		006D-3-000000-000000			361,464		
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         1,037,077         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			036-183-000-000		690	1,575		
40       Nashua       0038-00063       88       93       181         41       Nashua       0038-00020       139       146       285         42       Nashua       0041-00011       1,122,729       1,037,077       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	38	Milford	055-007-000-000	56,819	63,292	120,111		
41       Nashua       0038-00020       139       146       285         42       Nashua       0041-00011       1,122,729       1,037,077       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	39		0039-00026		2,681	5,357		
42       Nashua       0041-00011       1,122,729       1,037,077       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	40	Nashua	0038-00063	88	93	181		
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	41	Nashua	0038-00020			285		
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	42	Nashua	0041-00011	1,122,729	1,037,077	2,159,806		
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	43	Nashua	0000PC-00005	50,409	22,535	72,944		
46       Sanborton       00.003.000.000       1,156       1,969       3,125         47       Tilton       000R23-000013-000000       110,104       108,282       218,386	44	Northfield	000999-000001-000001	33,990	35,226	69,216		
47 Tilton 000R23-000013-000000 110,104 108,282 218,386	45	Pembroke	999-11	67,304	51,160	118,464		
	46	Sanborton	00.003.000.000	1,156	1,969	3,125		
49 Tilton 000D22 000014 000000 12 102 11 615 24 717	47	Tilton	000R23-000013-000000	110,104	108,282	218,386		
40 THOR 000K25-000014-00000 15,102 11,615 24,717	48	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 2019						
ne	Municipality	Parcel	Ins	tallment #1	Inst	allment #2	7	Total Due	
9	Concord	109/1/2	\$	8,484	\$	8,275	\$	16,75	
)	Concord	109/1/2	φ	8,484	Ф	8,275	Ф	16,75	
1	Concord	109/1/2		601		586		1,18	
2	Concord	109/1/3		601		586		1,18	
3	Concord	109/1/3		6,954		6,783		13,73	
<i>3</i> 4	Concord	109/1/4		6,954		6,783		13,73	
5	Concord	109/1/4		338		330		13,75	
6	Concord	109/2/1		338		330		66	
7	Concord	109/2/1		619		604		1,22	
8	Concord	109/2/3		619		604		1,22	
9	Concord	109/2/4		978		954		1,93	
0	Concord	109/2/4		978		954		1,93	
1	Concord	NO00/1/13		1,326		1,293		2,61	
2	Concord	NO00/1/13		1,326		1,293		2,61	
3	Concord	P000/1/6		228		236		2,01	
4	Concord	P000/1/6		228		236		46	
5	Concord	P000/1/3		30,567		37,111		67,67	
6	Concord	P000/1/3		30,567		37,111		67,67	
7	Concord	NO00/1/2		319,552		370,457		690,00	
8	Concord	NO00/1/2 NO00/1/2		319,552		370,457		690,00	
9	Concord	202Z/21		276		269		54	
0	Concord	202Z/21		276		269		54	
1	Concord	26/1/6		1,912		1,865		3,77	
2	Concord	26/1/6		1,912		1,865		3,77	
3	Concord	494Z/3		315		307		5,7	
3 4	Concord	494Z/3 494Z/3		315		307		62	
4 5	Concord	109/2/4/A		6		6		02	
<i>5</i>	Concord	109/2/4/A 109/2/4/A		6		6			
7				0					
	State of NH	TRUE UP		(05.0(7		230,708		230,70	
8	State of NH	NH DRA 1-2		605,067		605,067		1,210,13	
9	State of NH	NH DRA 3-4		605,067		605,067		1,210,13	
0	Keene	583038000001000		45,598		43,361		88,95	
1	Keene	11603900000000		8,012		8,264		16,27	
2	R&M REALTY	582014000000000		5,249		5,385		10,63	
3	Keene Propane	047020020000		21,051		20,281		41,33	
4	State of NH	NH DRA 1-2		3,858		3,858		7,71	
5	State of NH	NH DRA 3-4		3,858		3,858		7,71	
6	Total		\$	5,897,896	\$	6,227,020	\$	12,124,91	
7	Pro Forma Property Ta	v	\$	12,454,039					
8		Utility Property (adjustment to Pro Forma)	Ψ	3,514					
o 9		7 1 2 3			ı				
, )		ble Count (adjustment to Pro Forma)		230,708	l				
,	Property Tax expense,			12,404,863					

16,976

(168,070)

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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	ıstme	ents to reflect

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

Line	Description	Description Reference Adjustment Amount				
1	Adjustments to increase (decrease) taxable income:				() = Low	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						

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

Liberty Utilities (EnergyNorth) Adjustments to Test Year Adjustment 10 Other Adjustments

Line	<b>Description</b> A	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 Ac	count 928 <u>\$</u>	(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			
17	Total Concord Rental Expense Credit Adjustment Ac	count 931 <u>\$</u>	(42,637)
18			
19	Adjustment to Remove Keene Production Costs		
20		count 733 \$	(118,993)
21	Ac	count 733 \$	(5,313)
22	Ac	count 735 \$	(41,034)
23	Ac	count 921 \$	(10,202)
24	Ac	ecount 408	(41,332)
25			, ,
26	Total Keene Production Cost Adjustment	\$	(216,874)
27	·		· · · ·
28	Adjustment to Exclude GSE Related Costs		
29	·	ecount 874 \$	(888)
30		ecount 870	(491)
31			,
32	Total GSE Related Cost Adjustment	\$	(1,379)
33	·		
34	Adjustment to Remove NHPUC Penalty Expenses		
35	Penalty Expenses Ac	count 735 \$	(3,500)
36	Ac	count 874	(500)
37	Acc	count 921.4	(3,000)
38	Ac	ecount 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 <u>\$</u>	(6,318)
55			
56	Adjustment to Remove Non-Recoverable Advertising Expenses		
57	6	ecount 909 \$	(14,084)
58		ecount 909 \$	(342)
	Advertising Expenses Ac	ecount 913 \$	(26,484)
59	Advertising Expenses		( , ,
59 60 61	Total Adjustment for Non-Recoverable Advertising Expenses	\$	(40,910)

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

Line	Description	Capital Structure	Cost of Capital	Weighted Cost of Capital	Tax Rate	Pre-Tax
2 L	Common Stock Long-Term Debt	50.15% 49.85% 100.00%	10.51% 4.420%	5.27% 2.20% 7.47%	27.08%	7.23% 2.20% 9.43%

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

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

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

Line	e Description	2018 Q4 2019 Q1 2019 Q2		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	<b>Customer Deposits</b>	\$(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	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

Regulatory Assets on Decmeber 31, 2017

Regulatory Assets on Deciments 31, 2017	Francis North	NIII Con Co	1 486 1 01 1			
	Energy North	NH Gas Co				
ASSETS						
Reg_assets_non_cur Regulatory assets - non-current	77,557,708	692,196	78,249,904			
Reg_assets_environmental Environmental costs	48,163,464	-				
10_1920_1863 KS R/A-Environmental-Materials	27,075,097	-	27,075,097			
10_1920_1864 KS R/A-Environmental-Purch Gas	20,964,352	-	20,964,352			
10_1930_1824 Environmental Response Fund	124,016	-	124,016			
Reg_assets_pension Pension and post employment benefits	21,625,753	-				
10_1930_1826 Reg asset pension/OPEB tracker	21,625,753	-	21,625,753			
Reg_assets_rate_case Rate case costs	2,499,338	-				
10_1930_1745 Rate Case Recovery	486,876	-	486,876			
10_1930_1823 Deferred Rate Case	2,012,462	-	2,012,462			
Reg_assets_taxes Taxes	1,157,159	-				
10_1929_1863 Regulatory Assets - FAS 109	425,019	-	425,019			
10_1930_2830 Accum Def Inc Taxes-Other Reg Asset	732,140	-	732,140			
Reg_assets_other Other regulatory assets	4,111,994	692,196				
10_1920_1860 Misc Deferred Debits	3,444,180	692,196	4,136,376			
10_1930_1828 NEG & KeySpan CTA	667,813	-	667,813			

### FUNCTIONAL COST STUDY SUMMARY OF RESULTS

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No.	Description	9	System Total		Delivery Costs	Dire	ct Gas Costs	LPG & LNG	Misc	Pro	duction Costs
	(A)		(B)		(C)		(D)	(E)	(F)		(G)
	Rate Base Plant in Service	\$	641.189.774	\$	631,599,724	¢	- \$	9.590.051 \$		Ś	9.590.051
1	Accumulated Reserve	Ş	(204,751,433)	Ş	(200,951,293)	Þ	- >	(3,800,140)		Ş	(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 \$	13,170	\$	1,993,587
6	Miscellaneous Revenues	_	1,207,376	_	1,206,507		-	800	69	_	869
7	Total Revenues	\$	94,850,554	\$	92,856,098	\$	- \$	1,981,218 \$	13,238	\$	1,994,456
0	Expenses at Current Rates Operations & Maintenance Expenses		20 705 004		27.406.266			2 225 202 6	204.425	Ś	2,509,828
8	Depreciation Expense	\$	29,706,094 22,900,526	\$	27,196,266 22,208,248	\$	- \$	2,225,393 \$ 661,449	284,435 30,828	Ş	692,277
10	Taxes Other Than Income Taxes		14,193,436		13,841,955		_	351,481	-		351,481
10	Interest on Customer Deposits		- 1,200, 100				-	-	-		-
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	\$	- \$	358,719 \$	1,600	\$	360,320
18	Operating Income (Deficiency)/Surplus	\$	(3,336,314)	\$	(1,867,858)	\$	- \$	(1,246,747) \$	(221,709)	\$	(1,468,456)
	Expenses at Required Return										
19	Operations & Maintenance Expenses	\$	29,706,094	\$	27,196,266	\$	- \$	2,225,393 \$	284,435	\$	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		<u> </u>		-		-	-	-		
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	Ś	(4,575,308)	Ś	(2.561.517)	_	- \$	(1,709,747) \$	(304.045)	Ś	(2,013,791)

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Line				F	Misc. Production		Debts Excl.	W	as Cost /orking	Т	otal Indirect
No.	Description	LPG	& LNG Costs		Costs	LF	G & LNG		Capital	_	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

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Line No.	Description	LPG	& LNG Costs	Pi	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	Ś	3.690.964	Ś	311.920	Ś	5.363	Ś	-	Ś	4.008.247

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			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 Sub-total	17,059,198 LABOR 17,310,148	8,865,727 <b>8,996.147</b>	6,749,844 <b>6,849,138</b>	-	15,615,571 15,845,285	-	-	-	-
Sub-total	17,310,148	8,990,147	0,849,138	-	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 M&R Stations	2,246,186 DIST 7,435,290 DIST	2,246,186 7,435,290	-	-	2,246,186 7,435,290	-	-	-	-
Services	178,923,785 CUST	7,433,230	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. Miscellaneous Equip.	892,402 LABOR 802,973 LABOR	463,785 417,308	353,098 317,714		816,883 735,022	-		-	-
Sub-tatal	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	-	-	-	-
Accumulated Reserve for Depreciation									
Accumulated Reserve for Depreciation									
Intangible Plant									
Misc. Intangible Plant	(13,560,761) LABOR	(7,047,577)	(5,365,611)	-	(12,413,188)	-	-	-	-
Sub-total	(13,560,761)	(7,047,577)	(5,365,611)	-	(12,413,188)	-	-		-
Production Plant Production Plant	4-000-000-000	(****			(				
Production Plant Production Plant Keene	(1,837,129) DPROD - DPROD_K	(159,830)		-	(159,830)	-	-	-	-
Sub-total	(1,837,129)	(159,830)		-	(159,830)				
Sub-total	(1,637,123)	(133,630)			(133,830)				
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 M&R Stations	(192,723) DIST (4,358,391) DIST	(192,723) (4,358,391)	-	-	(192,723) (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	(1) 102/000/	(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 Measuring and Regulating Station Equipment	(1,078,797) DIST 18,159 DIST	(1,078,797)		-	(1,078,797)	-	-	-	
Measuring and Regulating Station Equipment Dist-Measuring and regulating station equipment-Ci	18,159 DIST (1,321,095) DIST	18,159 (1,321,095)	-		18,159 (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)	-	-	-	-
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Sub-total	(177,828,890)	(173,245,912)	(4,582,977)	-	(177,828,890)	-	-	-	-

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Account Description	Amount Allo	c. Factor DEM	LPG &	LNG	TOTAL	DEM	CUS	сом	TOTAL
RATE BASE									
KATE BASE									
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 DPROD	4,762,502	-	-	4,762,502	-	-	-	-
Production Plant Keene	- DPROD	D_K -	-	-	-	-	-	-	-
Sub-total	5,216,322	4,762,502	-	-	4,762,502	-	-	-	-
Distribution Plant									
Land & Land Rights	- DIST	-		-	-		-	-	-
M&R Stations	- DIST	-	-	-	-	-	-	-	-
Mains	11,740,462 DIST	-	-	-	-	-	-	-	-
Compressor Station Equipment	2,246,186 DIST	-	-	-	-	-	-	-	-
M&R Stations	7,435,290 DIST	-	-	-	-	-	-	-	-
Services	178,923,785 CUST	-	-	-	-	-	-	-	-
Meters & Meter Installations	21,117,103 CUST	-	-	-	-	-	-	-	-
Other Equipment	2,677,770 DIST	-	-		-	-	-	-	-
Sub-total	578,926,765	-	-	-	-	-	-	-	-
General Plant									
Land & Land Rights	121,489 LABOR	10,281			10,281				
Structures & Improvements	22,653,117 LABOR	1,917,009			1,917,009			-	-
Office Furniture & Equipment	2.403.092 LABOR				203.361				
Transportation Equipment	8,007,116 LABOR		_		677,598	_	_	_	_
Stores Equipment	138.142 LABOR		-		11,690	_			-
Tools, Shop & Garage Equip.	3,339,457 LABOR		_		282,600	_	_	_	_
Laboratory Equip.	- LABOR		-			_			-
Power Operated Equip.	1,378,752 LABOR		-	-	116,676	-	-	-	-
Communication Equip.	892,402 LABOR	75,519	-	-	75,519	-	-	-	-
Miscellaneous Equip.	802,973 LABOR	67,951	-		67,951	-	-	-	-
Sub-total Sub-total	39,736,540	3,362,686	-	-	3,362,686	-	-	-	-
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)		-	-	-
Sub-total	(13,560,761)	(1,147,573)	-	-	(1,147,573)	-	-	-	-
Production Plant									
Production Plant	(1,837,129) DPROD	(1,677,299)	_		(1,677,299)	_	_	_	_
Production Plant Keene	- DPROD		-		(=,=,===)	_			
Sub-total	(1,837,129)	(1,677,299)	_		(1,677,299)				
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Distribution Plant									
Land & Land Rights	- DIST	-	-			-	-	-	-
M&R Stations	83,294 DIST	-	-	-	-	-	-	-	-
Mains	(404,274) DIST	-	-	-	-	-	-	-	-
Compressor Station Equipment	(192,723) DIST	-	-	-	-	-	-	-	-
M&R Stations	(4,358,391) DIST	-	-	-	-	-	-	-	-
Services	(85,611,484) DIST	-	-	-	-	-	-	-	-
Meters & Meter Installations	(7,401,085) DIST	-	-	-	-	-	-	-	-
Meters Installations	(4,122,684) CUST	-	-	-	-	-	-	-	-
Land & Land Rights	- CUST	-	-	-	-	-	-	-	-
Structures and Improvements	(460,293) CUST	-	-	-	-	-	-	-	-
Other Equipment	(2,400,155) DIST	-	-	-	-	-	-	-	-
Other Equipment	(1,078,797) DIST	-	-		-	-	-	-	
Measuring and Regulating Station Equipment	18,159 DIST	-	-	-	-	-	-	-	-
Dist-Measuring and regulating station equipment-Ci	(1,321,095) DIST	-	-	-	-	-	-	-	-
Indust meas and reg station equip	(4,103) DIST	-	-	-	-	-	-	-	-
Structures and Improvements	(213,309) DIST	-	-	-	-	-	-	-	-
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Sub-total	(177,828,890)	-	_	-		-			
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				Delivery Co	sts			Direct Ga	s Costs	
Account Description	Amount	Alloc. Factor	DEM	cus	сом	TOTAL	DEM	cus	сом	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	) LABOR	(1,896,887)	(1,444,178)	-	(3,341,065)		-	-	-
Stores Equipment	(35,198	) LABOR	(18,293)	(13,927)	-	(32,219)	-	-	-	-
Tools, Shop & Garage Equip.	(754,055		(391,885)	(298,358)	-	(690,244)	-	-	-	-
Laboratory Equip.		- LABOR		-	-		-	-	-	-
Power Operated Equip.	(683,509		(355,222)	(270,445)	-	(625,667)	-	-	-	-
Communication Equip.	(433,204		(225,138)	(171,407)	-	(396,544)	-	-	-	-
Miscellaneous Equip. Other	(251,165	- PLANT	(130,531)	(99,379)		(229,910)			-	-
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	L	196,482,620	234,165,811	-	430,648,430	-	-	-	-
Rate Base Adjustments										
Additions										
Fuel Stock		- PDGPLT	-	-	-	-	-	-	-	-
Gas Materials and Supplies	5,936,060		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) Prepayments		OMEXPX - PDGPLT	1,842,826	1,164,663	19,092	3,026,581	-	-		
Sub-total	9,175,276		5,400,669	3,465,570	19.092	8,885,331				
Deductions										
Customer Deposits	(3,019,271			(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)	-	-	-	-
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Sub-total Sub-total	(99,482,306	5)	(57,816,193)	(40,409,812)	-	(98,226,006)		-	-	-
TOTAL RATE BASE ADJ.	(90,307,030	n	(52,415,524)	(36,944,242)	19.092	(89,340,674)				
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TOTAL RATE BASE	346,131,311	L	144,067,096	197,221,569	19,092	341,307,756	-	-	-	-

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				LPG 8	LNG			Mis	С	
Account Description	Amount	Alloc. Factor	DEM	cus	сом	TOTAL	DEM	cus	сом	TOTAL
General Plant										
Land & Land Rights		0	-	-	-	-	-	-	-	-
Structures & Improvements	(5,560,061)	LABOR	(470,518)	-		(470,518)		-	-	-
Office Furniture & Equipment	(157,522)	LABOR	(13,330)			(13,330)		-	-	
Transportation Equipment	(3,649,940)		(308,874)			(308,874)		-		
Stores Equipment	(35,198)		(2,979)			(2,979)		-		
Tools, Shop & Garage Equip.	(754,055)		(63,812)	_		(63,812)		_		
Laboratory Equip.		LABOR	(03,011)			(03,011)				
Power Operated Equip.	(683,509)		(57,842)			(57,842)				
Communication Equip.	(433,204)		(36,660)			(36,660)				
Miscellaneous Equip.	(251,165)		(21,255)			(21,255)				
Other			(21,233)	-	-	(21,233)	-	-		-
Other Sub-total		PLANT	(000 000)	-	-		-	-	-	
Sub-total	(11,524,653)		(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		PDGPLT								
Gas Materials and Supplies	5,936,060		77,309	-	-	77,309	-	-	-	
Gas Stored Underground - Current A/C 164		PDGPLT	77,303	-		77,303	-	-	-	
		PDGPLT	-	-	-	-	-	-	-	
LNG Inventory - Current A/C 164			-	-	-	-	-	-	-	-
Gas Stored Underground - Non-Current A/C 117		PDGPLT		-	-		-	-		
Cash Working Capital (Other)	3,239,217		191,211	-	-	191,211	-	-	21,425	21,425
Prepayments		PDGPLT	-	-	- '		-	-	-	-
Sub-total Sub-total	9,175,276		268,520	-	-	268,520	-	-	21,425	21,425
Deductions										
Customer Deposits	(3,019,271)		-	-	-	-	-	-	-	-
Excess Accum. Deferred Income Taxes	(37,855,214)		(493,013)	-	-	(493,013)	-	-	-	-
Accum. Deferred Income Taxes	(58,607,821)		(763,288)	-	-	(763,288)	-	-	-	-
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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
TO THE HATE DAGE	340,131,311		₩,002,130	-	-	4,002,130	-	-	21,425	21,425

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			Delivery Co	ests			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	-	-	-	-
Production (LPG LNG) - Maintenance									
Maint. of Prod. Equip	119,531 DPROD	10,399		-	10,399	-	-	-	-
Sub-total Sub-total	119,531	10,399	-	-	10,399	-	-	-	-
Total Production	1,669,496	145,246			145,246				
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Purchased Gas Expenses									
Gas Supply	- GASCOST	-	-	-	-		-	-	
Storage Gas	- GASCOST	-	-	-	-	-	-	-	-
Other Gas Supply	- GASSPLY	-	-	-	-	-	-	-	-
Sub-total	-		-	-	-	-	-	-	-
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 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		-		
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			LPG 8	LNG			Mis	С	
Account Description	Amount Alloc. Factor	DEM	cus	СОМ	TOTAL	DEM	cus	сом	TOTAL
PENSES									
& 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	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	-	-	-	-	-	-	-	-	
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 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	-	-	-	-	-	-	-	

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			Delivery Co	sts			Direct Gas	Costs	
Account Description	Amount Alloc. Factor	DEM	cus	сом	TOTAL	DEM	cus	сом	TOTAL
Customer Account									
Supervision	246,658 CACCTX	-	246,658	-	246,658	-	-	-	-
Meter Reading	327,602 CUST	-	327,602	-	327,602	-	-	-	-
Customer Records & Collection	2,757,111 CUST	-	2,757,111		2,757,111	-	-		-
Uncollectable Accounts - Delivery	1,613,012 PREV_DEL	-	-	1,613,012	1,613,012	-	-	-	-
Uncollectable Accounts - Production	67,758 PREV_PROD	-		-		-	-		-
Misc. Customer Accounts	13,047 CUST	-	13,047		13,047	-	-		-
Sub-total	5,025,189	-	3,344,419	1,613,012	4,957,430	-	-		-
Customer Service & Information Expenses									
Informational and Instructional Advertisign Expenses	81,733 CUST	-	81,733	-	81,733	-	-	-	-
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 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				
abor 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	10,300			10,500				
Operation Labor & Expenses	- DPROD								
Sub-total	1,146,680	99,761	-	-	99,761	-	-		-
Production - Maintenance									
Maint. of Prod. Equip	- DPROD								
Sub-total	- DENOD				-		-	-	
Sub-total	•	-	-	-	-	•	-		-
Total Production	1,146,680	99,761	-	-	99,761	-	-	-	-

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			LPG 8	LNG			Mis	С	
Account Description	Amount Alloc. Factor	DEM	cus	сом	TOTAL	DEM	cus	COM	TOTAL
Customer Account	246.658 CACCTX								
Supervision		-	-	-	-	-	-	-	
Meter Reading	327,602 CUST	-	-	-	-	-	-	-	-
Customer Records & Collection	2,757,111 CUST		-				-	-	-
Uncollectable Accounts - Delivery	1,613,012 PREV_DEL		-				-	-	-
Uncollectable Accounts - Production	67,758 PREV_PROD	-	-	62,395	62,395	-	-	5,364	5,364
Misc. Customer Accounts	13,047 CUST	-	-	-	-	-	-	-	-
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	(1,270,015)			(1,170,015)			(337,730)	(337,730)
Outside Services	6.917.962 LABOR	585,429			585,429				
Outside Serv Gas Acquistion	216,091 GASSPLY	363,423	-		363,429			216,091	216,091
Property Insurance	51,523 LABOR	4,360	-		4,360		-	210,091	210,091
			-				-	-	
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		_		41.71.25				
LPG - Materials	- DPROD		_						
Gas Mixing & Misc Exp - Keene	188.343 DPROD	171.957			171,957				
Misc. Prod. Exp.	- DPROD	1/1,53/			2/1,93/				
Operation Labor & Expenses	- DPROD								
Sub-total	1,146,680	1,046,919	-		1,046,919				
Production - Maintenance									
Maint, of Prod. Equip	- DPROD								
Maint. of Prod. Equip Sub-total	- DPROD	-	-	-	-	-	-	-	
Sub-total	-	-	-	-	-	-	-	-	-
Total Production	1,146,680	1,046,919	-	-	1,046,919	-			

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				Delivery Co	osts			Direct Gas	Costs	
Account Description	Amount	Alloc. Factor	DEM	cus	СОМ	TOTAL	DEM	cus	сом	TOTAL
Distribution Operation Expenses										
Operation Supervision & Engineering	336.069	DISTOPX	275.188	60.881		336.069			_	
Distribution Load Dispatch	583.241		583.241			583,241		_	_	_
Mains & Services Expenses	3,547,661		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		-	632,084	-	632,084	-	-	-	-
Other Expenses	876.280	DIST	876,280			876,280				
Rents		DIST								
Sub-total	7,029,078		5,282,370	1,746,709	-	7,029,078	-	-	-	-
Distribution Maintenance Expenses										
Maint. Supervision & Engineering		DISTMNX	-	-	-	-	-	-	-	-
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		CACCTX	-	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			-	-	-	-	-	-	-	-
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		-	21,713	-	21,713	-	-	-	-
Misc Customer Assistance Expense		CUST	-	-	-	-	-	-	-	-
Sub-total	21,713		-	21,713	-	21,713	-	-	-	-
Sales Expenses										
Demostrating & Selling Expenses	424,325		-	424,325	-	424,325	-	-	-	-
Advertising Expenses		CUST	-	-	-	-	-	-	-	-
Misc. Sales Expenses	77,383		-	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	-	-	-	-

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				LPG &	LNG			Mis	с	
Account Description	Amount	Alloc. Factor	DEM	cus	сом	TOTAL	DEM	cus	COM	TOTAL
Distribution Operation Expenses										
Operation Supervision & Engineering	336,069			-	-		-	-	-	-
Distribution Load Dispatch	583,241			-	-		-	-	-	-
Mains & Services Expenses	3,547,661			-	-		-	-	-	-
M&R Station Expenses - General		DIST		-	-		-	-	-	-
M&R Station Expenses - Industrial		DIST	-	-	-	-	-	-	-	-
Meter & House Regulator Expenses	1,053,744			-	-		-	-	-	-
Customer Installation Expenses	632,084			-	-		-	-	-	-
Other Expenses	876,280		-	-	-	-	-	-	-	-
Rents		DIST	-	-	-	-	-	-	-	-
Sub-total	7,029,078		-	-	-	-	-	-	-	-
Distribution Maintenance Expenses										
Maint. Supervision & Engineering		DISTMNX	-	-	-	-	-	-	-	-
Maint. of Structures & Improv.	121,758		-	-	-	-	-	-	-	-
Maint. of Mains	827,116	DIST	-	-	-	-	-	-	-	-
Maint. of M&R Station Equip General		DIST	-	-	-	-	-	-	-	-
Maint. of Services	208,998		-	-	-	-	-	-	-	-
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	CACCTX	-	-		-	-	-	-	-
Meter Reading	301,954	CUST	-	-		-	-	-	-	-
Customer Records & Collection	1,599,953	CUST	-	-	-	-	-	-	-	-
Uncollectable Accounts		0	-	-		-	-	-	-	-
Misc. Customer Accounts		CUST	-	-		-	-	-	-	-
Sub-total	2,148,565		-	-	-	-	-	-	-	-
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			-					_	
~	,		_	_	_	_		_	_	_
Sub-total	501,708		-	-	-	-	-	-	-	
TOTAL O & M LABOR EXP.	12.371.345		1.046.919	_		1.046.919	_	_		
TOTAL OW IN DIDON LAI .	12,371,343		2,040,313			2,040,313				

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	_		Delivery Co				Direct Gas		
Account Description	Amount Alloc. Factor	DEM	CUS	сом	TOTAL	DEM	cus	сом	TOTAL
reciation Expense									
Intangible Plant									
Misc. Intangible Plant Sub-total	3,185,122 LABOR 3,185,122	1,655,320 1,655,320	1,260,263 1,260,263	-	2,915,583 <b>2,915,583</b>	-	-		-
Production Plant									
Production Plant EN	154,281 DPROD	13,422	-	-	13,422	-	-	-	-
Production Plant Keene Sub-total	- DPROD 154,281	13,422	-	-	13,422	-		-	-
	154,201	13,411			13,411				
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 Ratemaking Adjustment	(1,308,511) LABOR - PDGPLT	(680,038)	(517,741)	-	(1,197,779)	-			-
Sub-total	1,241,400	743,352	455,124	27,472	1,225,948	-		-	-
Distribution Plant									
Land & Land Rights	- 0	-	-	-	-	-	-	-	-
M&R Stations Mains	- 0 225,417 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 Meters & Meter Installations	6,351,794 CUST 874,971 CUST		6,351,794 874,971	-	6,351,794 874,971	-	-	-	-
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	- 0								
Land & Land Rights Structures & Improvements	- U 647,879 LABOR	336,705	256,348	-	593,053	-		-	-
Office Furniture & Equipment	300,235 LABOR	156,033	118,794	-	274,827	-	-	-	-
Transportation Equipment Stores Equipment	1,601,423 LABOR 4,600 LABOR	832,265 2,391	633,638 1,820	-	1,465,903 4,211	-	-	-	-
Tools, Shop & Garage Equip.	175,655 LABOR	91,289	69,502	-	160,791	-	-	-	-
Laboratory Equip. Power Operated Equip.	- 0 275,750 LABOR	143,308	109,107	-	252,415				-
Communication Equip.	89,240 LABOR	46,378	35,310	-	81,688	-	-	-	-
Miscellaneous Equip.  Sub-total	53,558 LABOR <b>3,148,341</b>	27,834 1,636,204	21,192 1,245,710	-	49,026 <b>2,881,915</b>	-	-	-	-
				-		-			-
TOTAL DEPRECIATION EXPENSES	22,900,526	11,780,265	10,400,511	27,472	22,208,248	-	-		-
s Other Than Income Taxes									
Payroll Property	1,997,975 LABOR 12,195,461 PLANT	1,038,355 7,283,259	790,542 4,729,799	-	1,828,897 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	_			
TOTAL TAKES OTTEN THAN INCOME TAK	14,233,430	0,522,025	3,320,341		13,041,333				
rating Revenues									
Distribution Rate Revenue	93,643,178 CUR_REV	-	-	91,649,591	91,649,591	-	-	-	-
Late Payment Charges - Delivery Late Payment Charges - Production	20,686 PREV_DEL 869 PREV PROD	-	-	20,686	20,686	-		-	-
Connect/Reconnect Fees	386,715 CUST		386,715	-	386,715	-	-	-	-
Other Revenues Sub-total	799,106 OTH_REV 94,850,554		386,715	799,106 <b>92,469,383</b>	799,106 <b>92,856,098</b>	-			-
		-				-			-
TOTAL	94,850,554	_	386,715	92,469,383	92,856,098				

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Account Description					LPG & L					isc
	Amount	Alloc. Facto	r DEM	cus		сом	TOTAL	DEM	cus	сом
xpense										
le Plant										
tangible Plant	3.185.122	LABOR	26	9,539			269,539			
al	3,185,122			9,539	-	-	269,539	-	-	-
on Blant										
ion Plant EN	154,281	DPROD	14	0,858	-	-	140,858	-	-	
ion Plant Keene		DPROD		-	-	-	-	-	-	-
al	154,281		14	0,858	-	-	140,858	-	-	-
					-	-		-	-	-
					-	-		-	-	30,828
Of Regulatory Asset			(11	0,732)	-	-	(110,732)	-	-	-
				-	-	-	-	-	-	-
al	1,241,400		(1	5,376)	-	-	(15,376)		-	30,828
tion Plant										
					-	-	-		-	-
ations			0	-	-	-	-	-	-	-
				-	-	-		-	-	-
				-	-	-	-	-	-	-
				-	-	-		-	-	-
				-		-	-		-	-
						-	-		-	
	,,									
Plant Plant Land Rights			0	-	_	_	_	-		
es & Improvements	647,879	LABOR	5	4,826	-	-	54,826	-	-	-
urniture & Equipment	300,235	LABOR	2	5,407	-	-	25,407		-	-
rtation Equipment	1,601,423	LABOR	13	5,520	-	-	135,520		-	-
quipment	4,600	LABOR		389	-	-	389	-	-	-
hop & Garage Equip.	175,655	LABOR	1	4,865	-	-	14,865	-	-	-
ory Equip.			0	-	-	-	-	-	-	-
					-	-		-	-	-
					-	-		-	-	-
					-			-	-	-
al .	3,148,341		26	6,427	-	-	266,427			-
DEPRECIATION EXPENSES	22,900,526		66	1,449	-	-	661,449	-	-	30,828
nan Income Taxes										
					-	-		-	-	-
y 					-	-			-	-
					-	-				
FAXES OTHER THAN INCOME TAX	14,193,436		35	1,481	-	-	351,481	-	-	
	on Plant EN ion Plant ion Pla	on Plant on Plant on Plant ( on P	on Plant to Plant Plant	on Plant on Plant to	on Plant on Plant (Company 1	on Plant on Plant (No Plant EN	on Plant on Plant EN	on Plant  on Plant EN  on Plant EN  on Plant EN  on Plant EN  154,281  140,858  140,858  140,858  154,281  140,858  140,858  140,858  154,281  140,858  140,858  140,858  140,858  140,858  140,858  140,858  140,858  140,858  170,561  70,56	on Plant On Plant EN ON	on Plant On Plant RN On Plant RN On Plant RN On Plant Rene OPROD 154,281 DPROD 140,858 140,858 140,858 - On Plant Rene OPROD 154,281 140,858 140,858 - On Plant Rene OPROD 154,281 140,858 - On Plant Rene OPROD 154,281 140,858 - On Plant Rene OPROD 154,281 140,858 - On Plant Rene OPROD 165,376 - On Solid Renew Surplus OPROD 170,561 - OR Solid Renew Surplus OR Solid Renew

Name	Description		Total	<b>Delivery Costs</b>	Direct Gas Costs	<b>Production Costs</b>	Misc. Costs
DEMAND AL	LLOCATORS						
LPG LNG	Production	DEM		0.00%	0.00%	100.00%	0.00%
DIST	Test Yr - Energy North		1			1	
	Distribution	DEM		100.00%	0.00%	0.00%	0.00%
DIST	Test Yr - Energy North	DLIVI	1	100.00%	0.00%	0.00%	0.0076
			. –		1		
DPROD	Delivery & Production	DEM	1	8.70% 0.087	0.00%	91.30%	0.00%
	Test Yr - Energy North		1	0.087		0.913	
DPROD_K	Keene Production	DEM		100.00%	0.00%	0.00%	0.00%
	Test Yr - Energy North		1	1			
CUSTOMER	ALLOCATORS						
CUST	Distribution Customer	CUS		100.00%	0.00%	0.00%	0.00%
	Test Yr - Energy North		1	1			
COMMODITY	Y ALLOCATORS						
PROPANE	Propane Commodity	COM		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	СОМ		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	COM		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	COM		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	COM		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	COM		0.00%	0.00%	0.00%	100.00%
	Test Yr - Energy North		1				1
OTH_REV	Other Revenue	COM		100.00%	0.00%	0.00%	0.00%
	Test Yr - Energy North		1	1			

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#### Functional Cost Study Internal Allocators

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Allocator						
Name	Description	Total	Delivery Costs	Direct Gas Costs	<b>Production Costs</b>	Misc. 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
	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 Percent	9,777,381 100.00%	9,777,381 100.00%	- 0.00%	- 0.00%	- 0.00%
DISTMNX	Distribution Maintenance Expense Percent	3,987,825 100.00%	3,987,825 100.00%	- 0.00%	- 0.00%	- 0.00%
CACCTX	Customer Accounting Expenses Percent	3,097,761 100.00%	3,097,761 100.00%	- 0.00%	- 0.00%	- 0.00%
LABOR	Labor expense excluding A&G Percent	12,371,345 100.00%	11,324,425 91.54%	- 0.00%	1,046,919 8.46%	- 0.00%
GENPLT	General Plant Percent	39,736,540 100.00%	36,373,854 91.54%	- 0.00%	3,362,686 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 Percent	578,926,765 100.00%	578,926,765 100.00%	- 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%
PDGPLT	Production, Distribution & General Plant	623,879,626	615,754,439	-	8,125,188	-
	Percent	100.00%	98.70%	0.00%	1.30%	0.00%