

34. ENVIRONMENTAL SURCHARGE - MANUFACTURED GAS PLANTS  
Environmental Surcharge

Manufactured Gas Plants

Required Annual Environmental Increase	\$ <del>2,351,805</del>	\$983,056
DG 19-145 Audit adjustment of \$1,024,167 amortized over 3 years, approved by Order		\$341,389
Estimated Ending Balance on October 31, 2022		<u>\$58,228</u>
<del>July 2020 - June 2021 recovery difference between actual and estimate</del>		
Environmental Subtotal		\$1,382,673
Overall Annual Net Increase to Rates		\$1,382,673
Estimated weather normalized firm therms billed for the twelve months ended 10/31/2023 - sales and transportation		186,338,561 therms
<b>MGP Surcharge per therm</b>		<b><u>\$0.0074</u> per therm</b>
 <u>Gasholder and pond at Gas Street, Concord, NH</u>		
Required Annual Environmental Increase		\$69,514
Estimated weather normalized firm therms billed for the twelve months ended 10/31/2023 - sales and transportation		186,338,561 therms
<b>Gasholder and pond at Gas Street, Concord, NH Surcharge per therm</b>		<b><u>\$0.0004</u> per therm</b>
 <u>Total Environmental Surcharge</u>		 <b><u>\$0.0078</u></b>

Issued: October xx, 2022  
Effective: November 1, 2022

Issued by: \_\_\_\_\_  
Neil Proudman  
Title: President

Issued in compliance with NHPUC Order No. xx,xxx dated xxxx xx, 2022 in Docket DG 22-xxx.

Liberty Utilities (Energy North Natural Gas) Corp. d/b/a Liberty  
Local Distribution Adjustment Charge (LDAC) decrease due to Rate Case Expense and Recoupment  
For LDAC effective November 1, 2022 - October 31, 2023

<u>Description</u>	<u>Total</u>
Prior Period Recoupment/Rate Case Expense (Over)/Under Collection, including interest as of October 31, 2022	\$ 72,693
Rate Case Expense DG 17-048	\$ (4,836)
Rate Case Expense DG 20-105	\$ 848,198
Rate Case Expense to Recover as of August 31, 2022	\$ 843,361
Projected Recoupment/Rate Case Expense Recovery	\$ 916,054
Projected Interest	\$ 21,445
Total Projected Recovery, November 1, 2022 - October 31, 2023	\$ 937,499
Forecast Throughput (Therms)	186,338,561
RCE Factor (\$/Therm)	\$0.0050

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**36 LOCAL DISTRIBUTION ADJUSTMENT CHARGE CALCULATION**

**Local Delivery Adjustment Charge Calculation**

	<u>Sales</u> <u>Customers</u>	<u>Transportation</u> <u>Customers</u>	
<b>Residential Non Heating Rates - R-1</b>			
Energy Efficiency Charge	0.0640		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx)		0.0640	
Relief Holder and pond at Gas Street, Concord, NH	0.0004		
Manufactured Gas Plants	<u>0.0074</u>		
Environmental Surcharge (ES)		0.0078	
Revenue Decoupling Adjustment Factor (RDAF)		0.0409	
Property Tax Adjustment Mechanism (PTAM)		0.0129	
Rate Case Expense Factor (RCEF)		0.0050	
Gas Assistance Program (GAP)		<u>0.0202</u>	
<b>LDAC</b>		<b>0.1508</b>	<b>per therm</b>
<b>Residential Heating Rates - R-3, R-4, R-6, R-7</b>			
Energy Efficiency Charge	0.0640		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx)		0.0640	
Relief Holder and pond at Gas Street, Concord, NH	0.0004		
Manufactured Gas Plants	<u>0.0074</u>		
Environmental Surcharge (ES)		0.0078	
Revenue Decoupling Adjustment Factor (RDAF)		0.0409	
Property Tax Adjustment Mechanism (PTAM)		0.0129	
Rate Case Expense Factor (RCEF)		0.0050	
Gas Assistance Program (GAP)		<u>0.0202</u>	
<b>LDAC</b>		<b>0.1508</b>	<b>per therm</b>
<b>Commercial/Industrial Low Annual Use Rates - G-41, G-51, G-44, G-55</b>			
Energy Efficiency Charge	0.0426		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx)		0.0426	0.0426
Relief Holder and pond at Gas Street, Concord, NH	0.0004		
Manufactured Gas Plants	<u>0.0074</u>		
Environmental Surcharge (ES)		0.0078	0.0078
Revenue Decoupling Adjustment Factor (RDAF)		0.0030	0.0030
Property Tax Adjustment Mechanism (PTAM)		0.0129	0.0129
Rate Case Expense Factor (RCEF)		0.0050	0.0050
Gas Assistance Program (GAP)		<u>0.0202</u>	<u>0.0202</u>
<b>LDAC</b>		<b>0.0915</b>	<b>0.0915 per therm</b>
<b>Commercial/Industrial Medium Annual Use Rates - G-42, G-52, G-45, G-56</b>			
Energy Efficiency Charge	0.0426		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx)		0.0426	0.0426
Relief Holder and pond at Gas Street, Concord, NH	0.0004		
Manufactured Gas Plants	<u>0.0074</u>		
Environmental Surcharge (ES)		0.0078	0.0078
Revenue Decoupling Adjustment Factor (RDAF)		0.0030	0.0030
Property Tax Adjustment Mechanism (PTAM)		0.0129	0.0129
Rate Case Expense Factor (RCEF)		0.0050	0.0050
Gas Assistance Program (GAP)		<u>0.0202</u>	<u>0.0202</u>
<b>LDAC</b>		<b>0.0915</b>	<b>0.0915 per therm</b>
<b>Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58</b>			
Energy Efficiency Charge	0.0426		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx)		0.0426	0.0426
Relief Holder and pond at Gas Street, Concord, NH	0.0004		
Manufactured Gas Plants	<u>0.0074</u>		
Environmental Surcharge (ES)		0.0078	0.0078
Revenue Decoupling Adjustment Factor (RDAF)		0.0030	0.0030
Property Tax Adjustment Mechanism (PTAM)		0.0129	0.0129
Rate Case Expense Factor (RCEF)		0.0050	0.0050
Gas Assistance Program (GAP)		<u>0.0202</u>	<u>0.0202</u>
<b>LDAC</b>		<b>0.0915</b>	<b>0.0915 per therm</b>

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Neil Proudman  
President

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34. ENVIRONMENTAL SURCHARGE - MANUFACTURED GAS PLANTS  
Environmental Surcharge

Manufactured Gas Plants

Required Annual Environmental Increase	\$ <del>2,351,805</del>	\$983,056
DG 19-145 Audit adjustment of \$1,024,167 amortized over 3 years, approved by Order	\$ <del>341,389</del>	\$341,389
Estimated Ending Balance on October 31, 2022		<u>\$58,228</u>
July 2020 – June 2021 recovery difference between actual and estimate		\$ <del>139,028</del>
Environmental Subtotal		<u>\$1,382,673</u>
		<u>\$ <del>2,832,222</del></u>
Overall Annual Net Increase to Rates		\$1,382,673
		<u>\$ <del>2,832,222</del></u>
Estimated weather normalized firm therms billed for the twelve months ended 10/31/2023 - sales and transportation		186,338,561 therms
		<u><del>182,829,872</del></u>
<b>MGP Surcharge per therm</b>		<b><u>\$0.0074 per therm</u></b>
		<u>\$ <del>0.0455</del></u>

Gasholder and pond at Gas Street, Concord, NH

Required Annual Environmental Increase		\$69,514
Estimated weather normalized firm therms billed for the twelve months ended 10/31/2023 - sales and transportation		186,338,561 therms
<b>Gasholder and pond at Gas Street, Concord, NH Surcharge per therm</b>		<b><u>\$0.0004 per therm</u></b>

Total Environmental Surcharge

\$0.0078  
\$ ~~0.0455~~

Issued: ~~November 12, 2021~~–October xx, 2022  
Effective: ~~November 1, 2021~~–November 1, 2022

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Neil Proudman  
Title: President

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~~Issued in compliance with NHPUC Order No. 26,541 dated October 29, 2021 in Docket DG 21-130~~

Issued: ~~November 12, 2021~~–C October xx, 2022  
Effective: ~~November 1, 2021~~–Nc November 1, 2022

Issued by: \_\_\_\_\_  
Neil Proudman  
Title: President

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~~Issued in compliance with NHPUC Order No. 26,541 dated October 29, 2021 in Docket DG 21-130~~

Liberty Utilities (Energy North Natural Gas) Corp. d/b/a Liberty  
Local Distribution Adjustment Charge (LDAC) decrease due to Rate Case Expense and Recoupment  
For LDAC effective November 1, 2022 - October 31, 2023  
For LDAC effective November 1, 2021 - October 31, 2022

<u>Description</u>	<u>Total</u>
Prior Period Recoupment/Rate Case Expense (Over)/Under Collection, including interest as of October 31, 2022	\$ 72,693
Rate Case Expense DG 17-048	\$ (4,836)
Rate Case Expense DG 20-105	\$ 848,198
Rate Case Expense to Recover as of August 31, 2022	\$ 843,361
Projected Recoupment/Rate Case Expense Recovery	\$ 916,054
Projected Interest	\$ 21,445
Total Projected Recovery, November 1, 2022 - October 31, 2023	<u>\$ 937,499</u>
Forecast Throughput (Therms)	186,338,561
RCE Factor (\$/Therm)	\$0.0050

Rate Case Expense

Prior Period Balance	(\$11,949)
Expenses thru June 30, 2021	<u>\$785,177</u>
Balance at June 30, 2021	\$773,228
Less: Accrual Balance	<u>(\$26,000)</u>
Adjusted Rate Case Expense	\$747,228

Recoupment

Distribution Recoupment from Docket No. DG 20-105	(\$568,780)
Indirect Costs Recoupment from Docket No. DG 20-105	<u>\$1,900,000</u>
Total Recoupment	\$1,331,220

July 1, 2021 Balance \$2,078,448

Estimated Remaining Expenses \$97,375

Plus Estimated Interest from July 2021 through October 2021 \$10,820

Minus Estimated Recoveries from July 2021 through October 2021 (\$7,864)

Total Estimated Remaining Recovery As of November 1, 2021 \$2,187,779

Estimated November 2021 - October 2022 Interest \$26,727

Total Remaining Recovery \$2,214,505

Estimated November 2021 - October 2022 Sales (therms) \$182,829,872

RCE & Recoupment rate per therm November 2021 - October 2022 \$0.0121

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**36 LOCAL DISTRIBUTION ADJUSTMENT CHARGE CALCULATION**  
**36 LOCAL DISTRIBUTION ADJUSTMENT CLAUSE CALCULATION**

Local Delivery Adjustment Charge Calculation

			Sales Customers		Transportation Customers
<b>Residential Non Heating Rates - R-1</b>					
Energy Efficiency Charge			0.0640		
Demand Side Management Charge			0.0000		
Conservation Charge (CCx)				0.0640	
Relief Holder and pond at Gas Street, Concord, NH	0		0.0004		
Manufactured Gas Plants	<u>0.0155</u>		<u>0.0074</u>		
Environmental Surcharge (ES)		0.0155		0.0078	
Revenue Decoupling Adjustment Factor (RDAF)		0.0452		0.0409	
Property Tax Adjustment Mechanism (PTAM)		0.0142		0.0129	
Rate Case Expense Factor (RCEF)		0.0074		0.0050	
Gas Assistance Program (GAP)		<u>0.0156</u>		<u>0.0202</u>	
<b>LDAC</b>		<b>0.0678</b>		<b>0.1508</b>	<b>per therm</b>
<b>Residential Heating Rates - R-3, R-4, R-6, R-7</b>					
Energy Efficiency Charge			0.0640		
Demand Side Management Charge			0.0000		
Conservation Charge (CCx)				0.0640	
Relief Holder and pond at Gas Street, Concord, NH	0		0.0004		
Manufactured Gas Plants	<u>0.0155</u>		<u>0.0074</u>		
Environmental Surcharge (ES)		0.0155		0.0078	
Revenue Decoupling Adjustment Factor (RDAF)		0.0452		0.0409	
Property Tax Adjustment Mechanism (PTAM)		0.0142		0.0129	
Rate Case Expense Factor (RCEF)		0.0074		0.0050	
Gas Assistance Program (GAP)		<u>0.0156</u>		<u>0.0202</u>	
<b>LDAC</b>		<b>0.0678</b>		<b>0.1508</b>	<b>per therm</b>
<b>Commercial/Industrial Low Annual Use Rates - G-41, G-51, G-44, G-55</b>					
Energy Efficiency Charge	0.04255		0.0426		
Demand Side Management Charge	0		0.0000		
Conservation Charge (CCx)		0.04255		0.0426	0.0426
Relief Holder and pond at Gas Street, Concord, NH	0		0.0004		
Manufactured Gas Plants	<u>0.01545</u>		<u>0.0074</u>		
Environmental Surcharge (ES)		0.01545		0.0078	0.0078
Revenue Decoupling Adjustment Factor (RDAF)		0.0039		0.0030	0.0030
Property Tax Adjustment Mechanism (PTAM)		0.0142		0.0129	0.0129
Rate Case Expense Factor (RCEF)		0.0074		0.0074	0.0050
Gas Assistance Program (GAP)		<u>0.0156</u>		<u>0.0156</u>	0.0202
<b>LDAC</b>		<b>0.0991</b>		<b>0.0915</b>	<b>0.0991</b> <b>0.0915 per therm</b>
<b>Commercial/Industrial Medium Annual Use Rates - G-42, G-52, G-45, G-56</b>					
Energy Efficiency Charge	0.04255		0.0426		
Demand Side Management Charge	0		0.0000		
Conservation Charge (CCx)		0.04255		0.0426	0.0426
Relief Holder and pond at Gas Street, Concord, NH	0		0.0004		
Manufactured Gas Plants	<u>0.01545</u>		<u>0.0074</u>		
Environmental Surcharge (ES)		0.01545		0.0078	0.0078
Revenue Decoupling Adjustment Factor (RDAF)		0.0039		0.0030	0.0030
Property Tax Adjustment Mechanism (PTAM)		0.0142		0.0129	0.0129
Rate Case Expense Factor (RCEF)		0.0074		0.0074	0.0050
Gas Assistance Program (GAP)		<u>0.0156</u>		<u>0.0156</u>	0.0202
<b>LDAC</b>		<b>0.0991</b>		<b>0.0915</b>	<b>0.0991</b> <b>0.0915 per therm</b>
<b>Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58</b>					
Energy Efficiency Charge	0.04255		0.0426		
Demand Side Management Charge	0		0.0000		
Conservation Charge (CCx)		0.04255		0.0426	0.0426
Relief Holder and pond at Gas Street, Concord, NH	0		0.0004		
Manufactured Gas Plants	<u>0.01545</u>		<u>0.0074</u>		
Environmental Surcharge (ES)		0.01545		0.0078	0.0078
Revenue Decoupling Adjustment Factor (RDAF)		0.0039		0.0030	0.0030
Property Tax Adjustment Mechanism (PTAM)		0.0142		0.0129	0.0129
Rate Case Expense Factor (RCEF)		0.0074		0.0074	0.0050
Gas Assistance Program (GAP)		<u>0.0156</u>		<u>0.0156</u>	0.0202
<b>LDAC</b>		<b>0.0991</b>		<b>0.0915</b>	<b>0.0991</b> <b>0.0915 per therm</b>

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President

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Authorized by House Bill #549 signed February 24, 2022