



OVER 125 YEARS OF SERVICE

BUDGET

2022

12/16/2021

Table of Contents

1	Cash Flow
2	Proforma Financial Statements
3	Power Supply - Electric
4	Power Supply - Gas
5	Operation & Maintenance Electric Division
6	Operation & Maintenance Gas Division
7	General & Administrative Expense Budget
8	Capital Additions Electric Division
9	Capital Additions Business Division
10	Capital Additions Gas Division

MGED
Budget 2022 - Cash Flow and Projected Balances

	A	B	C	D	E = A:D	
	Operating Cash	Pension Cash	Depreciation Cash	ReserveTrust Cash	Total Cash	Net Income
January 1, 2022 Cash balances	\$29,000,000	\$8,000,000	\$6,700,000	\$6,900,000	\$50,600,000	
Income Before-Deprec & Pension	3,524,000	100,000	100,000	100,000	3,824,000	\$3,824,000
(Use) Source of cash: OPEB-GASB 45 Catch Up Change in working capital	<u>(500,000)</u>				<u>(500,000)</u>	0
Operating Cash Flow	3,024,000	100,000	100,000	100,000	3,324,000	
Fund Depreciation Cash at Town @ 5% Capital expenditures (Note-A below)	(4,590,000)		4,590,000 <u>(2,963,000)</u>		<u>(2,963,000)</u>	(4,590,000)
2022 Cash flow, net	(1,566,000)	100,000	1,727,000	100,000	361,000	
Net income before rate stabilization adjstmnt 4% rate stabilization adjustment (RSA) 2020 Net income @ 4% - ROR						(766,000) <u>3,500,000</u> <u>\$2,734,000</u>
December 31, 2022 Cash balances	\$27,434,000	\$8,100,000	\$8,427,000	\$7,000,000	\$50,961,000	

4% Rate Stabilization Balances:	Projected 2022	2022 Inc (Dec)	Balance 2022
Electric RSA	3,382,000	(2,000,000)	1,382,000
Gas RSA	<u>3,405,000</u>	<u>(1,500,000)</u>	1,905,000
Total RSA	\$6,787,000	(\$3,500,000)	\$3,287,000

Capital Work:	Note-A
Electric	1,310,000
Gas	1,328,000
Office	<u>325,000</u>
Total Capital Exp	\$2,963,000

MIDDLEBOROUGH GAS AND ELECTRIC
BUDGETED STATEMENT OF OPERATIONS

COMBINED (ELECTRIC & GAS)

	FYE 12/31/2022	Cash Basis	4% Rate Stabilization Adjustment	After 4% RSA
Operating Revenue		\$ 50,242,000		\$ 50,242,000
Forfeited Customer Discounts		400,000		400,000
<hr/>				
Total Operating Revenue		50,642,000		50,642,000
Gas and Power Supply Costs		31,244,000	(3,500,000)	27,744,000
<hr/>				
Profit Margin		19,398,000	3,500,000	22,898,000
Less:				
Depreciation Expense @	5%	4,590,000		4,590,000
O&M Expense		7,572,000		7,572,000
G&A Expense		7,658,000		7,658,000
<hr/>				
Total Expense		19,820,000		19,820,000
Net Other Income		431,000		431,000
<hr/>				
Operating Income		9,000	3,500,000	3,509,000
In Lieu of Tax Payment		775,000		775,000
<hr/>				
Combined Net Income		(\$766,000)	\$3,500,000	\$2,734,000
<hr/>				
Projected Gross plant				97,102,000
% of Oper Income / Gross Plant				3.6%

4% Rate Stabilization History:	Inc (Dec)	Y/E Balance
2020 Actual		6,037,000
2021 Forecast	750,000	6,787,000
2022 Budget	(3,500,000)	3,287,000

MIDDLEBOROUGH GAS AND ELECTRIC
BUDGETED STATEMENT OF OPERATIONS

ELECTRIC DIVISION

FYE 12/31/2022

	Cash Basis	4% Rate Stabilization Adjustment	After 4% RSA
Operating Revenue	\$ 40,705,000		\$40,705,000
Forfeited Customer Discounts	300,000		300,000
<hr/>			
Total Operating Revenue	41,005,000		41,005,000
Power Supply Costs	24,876,000	(2,000,000)	22,876,000
<hr/>			
Profit Margin	16,129,000	2,000,000	18,129,000
Margin in cents/kwh	5.5		6.2
 Less:			
Depreciation Expense @ 5%	3,619,000		3,619,000
O&M Expense	5,406,000		5,406,000
G&A Expense (80%)	6,203,000		6,203,000
<hr/>			
Total Expense	15,228,000		15,228,000
Net Other Income	251,000		251,000
<hr/>			
Operating Income	1,152,000	2,000,000	3,152,000
In Lieu of Tax Payment	620,000		620,000
<hr/>			
Electric Net Income	\$532,000	\$2,000,000	\$2,532,000
<hr/>			
Projected Gross plant	76,385,000		76,385,000
% of Oper Income / Gross Plant	1.5%		4.1%

4% Rate Stabilization History:	Inc (Dec)	Y/E Balance
2020 Actual		3,732,000
2021 Forecast	(350,000)	3,382,000
2022 Budget	(2,000,000)	1,382,000

MIDDLEBOROUGH GAS AND ELECTRIC
BUDGETED STATEMENT OF OPERATIONS

GAS DIVISION

FYE 12/31/2022

	Cash Basis	4% Rate Stabilization Adjustment	After 4% RSA
Operating Revenue	\$9,537,000		\$9,537,000
Forfeited Customer Discounts	100,000		100,000
Total Operating Revenue	9,637,000		9,637,000
Gas Supply Costs	6,368,000	(1,500,000)	4,868,000
Profit Margin	3,269,000	1,500,000	4,769,000
Margin in cents/ccf	48.0		70.0
Less:			
Depreciation Expense @ 5%	971,000		971,000
O&M Expense	2,166,000		2,166,000
G&A Expense (20%)	1,455,000		1,455,000
Total Expense	4,592,000		4,592,000
Net Other Income	180,000		180,000
Operating Income	(1,143,000)	1,500,000	357,000
Less: In Lieu of Tax Payment	155,000		155,000
Gas Net Income	(\$1,298,000)	\$1,500,000	\$202,000
Projected Gross plant	20,717,000		20,717,000
% of Oper Income / Gross Plant	-5.5%		1.7%

4% Rate Stabilization History and Projection:	Inc (Dec)	Y/E Balance
2020 Actual		2,305,000
2021 Forecast	1,100,000	3,405,000
2022 Budget	(1,500,000)	1,905,000

BUDGETED STATEMENT OF OPERATIONS

COMPARATIVE STATEMENT

FYE 12/31/2022

<u>COMBINED</u>	BUDGET 2021	FORECAST 2021	BUDGET 2022 Before Plant (RSA)	B-2022 VS. B-2021		
Gross Revenues	\$48,106,000	\$47,575,000	\$50,642,000	5%		
Gas & Power Supply Costs	29,606,000	31,067,000	31,244,000	6%		
Profit Margin	18,500,000	16,508,000	19,398,000	5%		
O&M Expenses	7,019,000	6,074,000	7,572,000	8%		
G&A Expenses	7,050,000	6,378,000	7,658,000	9%		
Depreciation	3,958,000	4,097,000	4,590,000	16%		
Total Delivery Expense	18,027,000	16,549,000	19,820,000	10%		
Other Income	521,000	620,000	431,000	-17%		
In Lieu of Tax Payment	750,000	700,000	775,000	3%		
Net Income	244,000	-121,000	-766,000			
<u>ELECTRIC</u>						
Sales # kwh	273,000,000	285,000,000	291,000,000			
		¢/kWh		¢/kWh		
Gross Revenues	\$38,469,000	0.141	\$38,537,000	\$41,005,000	0.141	7%
Power Supply Costs	24,420,000	0.089	25,792,000	24,876,000	0.085	2%
Profit Margin	14,049,000	0.051	12,745,000	16,129,000	0.055	15%
O&M Expense	4,922,000		4,120,000	5,406,000		10%
G&A Expense (80%)	5,697,000		4,809,000	6,203,000		9%
Depreciation	3,077,000		3,189,000	3,619,000		18%
Total Delivery Expense	13,696,000		12,118,000	15,228,000		11%
Operating income	353,000		627,000	901,000		
Other Income	251,000		350,000	251,000		0%
In Lieu of Tax Payment	600,000		525,000	620,000		3%
Net Income	4,000		452,000	532,000		13200%
<u>GAS</u>						
Sales # ccf Firm	6,810,000		6,900,000	6,810,000		
		\$/ccf			\$/ccf	
Gross Revenues - Firm	\$9,637,000	1.415	\$9,038,000	\$9,637,000	1.415	0%
Gas Supply Costs - Firm	5,186,000	0.762	5,275,000	6,368,000	0.935	23%
Profit Margin	4,451,000	0.654	3,763,000	3,269,000	0.480	-27%
O&M Expense	2,097,000		1,954,000	2,166,000		3%
G&A Expense (20%)	1,353,000		1,569,000	1,455,000		8%
Depreciation	881,000		908,000	971,000		10%
Total Delivery Expense	4,331,000		4,431,000	4,592,000		6%
Operating income	120,000		-668,000	(1,323,000)		
Other Income & IT	270,000		270,000	180,000		-33%
In Lieu of Tax Payment	150,000		175,000	155,000		3%
Net Income	\$240,000		-\$573,000	-\$1,298,000		-641%

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

2022 DEPARTMENT BUDGET

ELECTRIC:	2021 BUDGET	2022 BUDGET	% CHANGE	2021 FORECAST
Budgeted Revenues	\$38,469,000	\$41,005,000	6.6%	\$38,537,000
Budgeted kWh Sales	273,000,000	291,000,000	6.6%	285,000,000
Budgeted Revenue Cents/kWh	14.09	14.09	0.0%	13.52

Note A: In January 2020, PPA decreased from .02 to .015 cents/kwh
 In August 2018, PPA increased from .01 to .02 cents/kwh
 In January 2018, PPA increased from 0 to .01 cents/kwh
 In Nov 2014 revised rate structure implemented, PPA decreased to zero from 7.03 cents/kwh

GAS:	2021 BUDGET	2022 BUDGET	% CHANGE	2021 FORECAST
Firm Budgeted Revenues	\$9,637,000	\$9,637,000	0.0%	\$9,038,000
Firm-Sales in CCF	6,810,000	6,810,000	0.0%	6,900,000
Budgeted Revenues/CCF	\$1.415	\$1.415	0.0%	\$1.31

Note A: In Mar 2021 the PGA was decreased by .0900 to .4626 from .5526 cents.
 In Feb 2019 the PGA was increased by .1500 to .5526 from .4026 cents.
 In Nov 2016 the PGA was decreased by .1500 to .4026 from .5526 cents.

	base	ppc	Total
kwh#	\$0.0399	\$0.10100	\$0.1409
	291,000,000	\$11,610,900	\$29,391,000
			\$41,005,000

El (Post PPA ↓)	Jan-Dec
Firm	\$41,002,000
kwh	291,000,000
average	0.1409
PPC	0.1010
base	0.0399

	Base Price	PGA	Total
ccf	\$0.952	\$0.46260	\$1.41500
Base	6,810,000	\$6,485,844	\$3,150,306
Growth	0	0	0
Total	6,810,000	\$6,485,844	\$3,150,306
			\$9,637,000
			1.42

Gas	Budget
Firm	\$9,636,650
ccf	6,810,000
average	1.4150
pga	0.4626
base	0.9524

PROJECTED RATE OF RETURN:	Before 4% ROR	After 4% ROR
COMBINED:		
Operating income *	\$ 9,000	\$ 3,509,000
Plant, at cost	\$ 97,102,000	\$97,102,000
% Return	0.0%	3.6%
ELECTRIC:		
Operating income *	\$ 1,152,000	\$ 3,152,000
Plant, at cost	\$ 76,385,000	\$ 76,385,000
% Return	1.5%	4.1%
GAS:		
Operating income *	\$ (1,143,000)	\$ 357,000
Plant, at cost	\$ 20,717,000	\$ 20,717,000
% Return	-5.5%	1.7%

Operating income * is before reduction for Payment in Lieu of Tax and after 4% plant adjustment of \$775,000 \$3,500,000

2022 Power Supply Budget

		2021 Budget					2022 Budget				
		Capacity	Energy	Capacity	Total Cost	Average	Capacity	Energy	Capacity	Total Cost	Average
		(MW)	(MWh)	(%)	(\$)	(%/MWh)	(MW)	(MWh)	(%)	(\$)	(%/MWh)
<u>Base Load</u>											
	NYPA	2.2	14,587	75.7%	\$180,000	\$12.34	2.2	14,587	75.7%	\$179,000	\$12.27
	Seabrook	6.27	49,500	90.1%	1,401,000	\$28.30	6.27	49,474	90.1%	1,426,000	\$28.82
	Millstone 3	1.30	11,100	97.5%	422,000	\$38.02	1.30	10,180	89.4%	446,000	\$43.81
	Next Era Load Following		131,579		7,278,000	\$55.31		149,647		8,132,000	\$54.34
	Subtotal	9.77	206,766		\$9,281,000	\$44.89	9.77	223,888		10,183,000	\$45.48
<u>Intermediate</u>											
	ISO Interchange		25,500		\$531,000	\$20.82		24,623		\$688,000	\$27.94
	Stony Brook Combined Cycle	7.00	4,303	7.0%	603,000	\$140.13	7.00	6,391	10.4%	938,000	\$146.77
	Saddleback Ridge	2.24	6,964	35.5%	571,000	\$81.99	2.24	6,964	35.5%	571,000	\$81.99
	Solar	10.30	13,676	15.2%	1,056,000	\$77.22	10.30	13,676	15.2%	1,056,000	\$77.22
	FirstLight Hydro	6.19	28,099	51.8%	1,444,000	\$51.39	6.19	28,099	51.8%	1,444,000	\$51.39
	Wyman 4										
	Subtotal	25.73	78,542		\$4,205,000	\$53.54	25.73	79,753		4,697,000	\$58.89
<u>Peaking</u>											
	Stony Brook Peaking	7.89	692	1.0%	283,000	\$408.96	7.89	359	0.5%	\$314,000	\$874.65
	Vistra Capacity Purchase						20.00			\$1,331,000	
	Forward Capacity	67.05			4,767,000		49.27			3,333,000	\$5.64
	Subtotal	74.94	692		\$5,050,000		77.16	359		4,978,000	
<u>Transmission</u>					\$5,497,000					\$4,631,000	
<u>Other Supply Expenses</u>					\$387,000					\$387,000	
<u>Total Power Supply</u>		110.44	286,000	29.6%	\$24,420,000	\$85.38	112.66	304,000	30.8%	\$24,876,000	\$81.83

MIDDLEBOROUGH GAS AND ELECTRIC
BUDGETED POWER SUPPLY - ELECTRIC

FYE 12/31/2022

ACCOUNT NUMBER	UNIT	2021 BUDGET	2021 FORECAST	2022 BUDGET	BUDGET 22 to BUDGET 21 % CHANGE	BUDGET 22 to FORECAST % CHANGE
555105	Stonybrook Intermediate	\$ 603,000	\$ 346,000	\$ 938,000	56%	171%
555106	Stonybrook Peaking	283,000	192,000	314,000	11%	64%
555107	Wyman #4	-	-	-	-	-
555108	ISO/NextEra/Capacity	12,576,000	14,982,000	13,484,000	7%	-10%
555109	Vermont Yankee	-	-	-	-	-
555115	Solar RBB/PPA, Wind, Genset	3,071,000	3,568,000	3,071,000	0%	-14%
555117	NYPA (PASNY)	180,000	170,000	179,000	-1%	5%
555118	Nuclear Project 3-Millstone 3	271,000	304,000	261,000	-4%	-14%
555119	Nuclear Mix 1-Mill 3/Seabrook	164,000	167,000	185,000	13%	11%
555124	Nuclear Project 4-Seabrook	964,000	991,000	994,000	3%	0%
555125	Nuclear Project 5-Seabrook	43,000	44,000	44,000	2%	0%
555126	Nuclear Project 6-Seabrook	381,000	391,000	388,000	2%	-1%
	Total 555	18,536,000	21,155,000	19,858,000	7%	-6%
556100	Stranded Cost Provision	-	-	-	0%	0%
557100	Other Power Expense	387,000	345,000	387,000	0%	12%
558100	Decommissioning Expense	-	-	-	-	-
	Total 556/557/558	387,000	345,000	387,000	0%	12%
565100	Transmission By Others	5,497,000	4,292,000	4,631,000	-16%	8%
	Total Power Costs	\$ 24,420,000	\$ 25,792,000	\$ 24,876,000	2%	-4%
	kWh Sold	273,000,000	285,000,000	291,000,000	7%	2%
	Cost/kWh Sold	0.089	0.090	0.085	-4%	-6%
	kWh Bot	286,000,000	298,000,000	304,000,000	6%	2%
	Cost/kWh Bot	0.085	0.087	0.082	-4%	-5%

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	555105
ACCOUNT TITLE:	Purchased Power Expense - Stonybrook Intermediate		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
<u>\$ 603,000</u>	<u>\$ 346,000</u>	<u>\$ 938,000</u>

ACCOUNT
DESCRIPTION:

Purchased power expense for the above
unit for the period January - December 2022

EXPLANATION OF 2022
BUDGET PROJECTION

StonyCC Gas Capacity	\$ 203,000
StonyCC Oil Capacity	96,000
StonyCC Gas Energy	324,000
StonyCC Oil Energy	<u>315,000</u>
Total	<u>\$ 938,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	555106
ACCOUNT TITLE:	Purchased Power Expense - Stonybrook Peaking		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 283,000	\$ 192,000	\$ 314,000

ACCOUNT
DESCRIPTION:

Purchased power expense for the above
unit for the period January - December 2022

EXPLANATION OF 2022
BUDGET PROJECTION

Capacity	\$ 187,000
Energy	<u>127,000</u>
Total	<u>\$ 314,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION: Electric	G/L ACCOUNT #:	555107
ACCOUNT TITLE: Purchased Power Expense - Wyman #4		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ -	\$ -	\$ -

ACCOUNT

DESCRIPTION:

Purchased power expense for the above unit for the period January - December 2022

EXPLANATION OF 2022
BUDGET PROJECTION

Contract terminated July 2019

Capacity	\$ -
Energy	-
Total	<u>\$ -</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	555108
ACCOUNT TITLE:	Purchased Power Expense - ISO/Open Market Interchange (Nepex)		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
<u>\$ 12,576,000</u>	<u>\$ 14,982,000</u>	<u>\$ 13,484,000</u>

ACCOUNT DESCRIPTION: Purchased power expense for the above unit for the period January - December 2022

EXPLANATION OF 2022 BUDGET PROJECTION

ISO Interchange	\$ 688,000
Next Era Load Following	8,132,000
Dynegy Vistra Capacity Hedge	1,331,000
Forward Capacity Mkt (FCM)	<u>3,333,000</u>
Total	<u>\$ 13,484,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	555109
ACCOUNT TITLE:	Purchased Power Expense - Vermont Yankee		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ -	\$ -	\$ -

ACCOUNT DESCRIPTION: Contract expired in 2002

EXPLANATION OF 2022
BUDGET PROJECTION

Capacity	\$ -
Energy	-
Total	<u>\$ -</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	555115
ACCOUNT TITLE:	Purchased Power Expenses - Solar Arrays/Wind/GenSet/Hydro		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
<u>\$ 3,071,000</u>	<u>\$ 3,568,000</u>	<u>\$ 3,071,000</u>

ACCOUNT DESCRIPTION: Purchased power expenses for the resources listed were included with 555108 in 2016

EXPLANATION OF 2022 BUDGET PROJECTION MW

Solar	MGED Solar	2009	0.02
Solar	RBB Xmas Tree Shops	2013	0.90
Solar	RBB Lakeville CC	2014	0.15
Solar	Renewable Generation LLC	2015	2.90
Wind	Saddleback Ridge	2015	2.48
Gen	MGED Nat Gas Generator	2016	2.00
Solar	IGS Mass Tank	2016	0.46
Solar	EarthCleanSyn I II III	2016	1.68
Solar	GWE Cranberry	2016	1.04
Solar	Everett St. Storage	2018	0.26
Solar	Crosslor Solar	2018	2.70
Hydro	FirstLight	2019	6.19
Solar	MHS	2020	0.18

Total 20.96

3,071,000

\$ 3,071,000

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	555117
ACCOUNT TITLE:	Purchased Power Expense - NYPA Peaking		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
<u>\$ 180,000</u>	<u>\$ 170,000</u>	<u>\$ 179,000</u>

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2022
BUDGET PROJECTION

Capacity	\$ 107,000
Energy	<u>72,000</u>
	<u>\$ 179,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	555118
ACCOUNT TITLE:	Purchased Power Expense - Nuclear Project 3 - Millstone 3		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 271,000</u>	<u>\$ 304,000</u>	<u>\$ 261,000</u>

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2022
BUDGET PROJECTION

Capacity	\$ 216,000
Energy	<u>45,000</u>
	<u>\$ 261,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	555119
ACCOUNT TITLE:	Purchased Power Expense - Nuclear Mix 1 - Millstone 3 and Seabrook		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 164,000</u>	<u>\$ 167,000</u>	<u>\$ 185,000</u>

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2022
BUDGET PROJECTION

Capacity	\$ 159,000
Energy	<u>26,000</u>
Total	<u>\$ 185,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	555124
ACCOUNT TITLE:	Purchased Power Expense - Nuclear Project 4 - Seabrook		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 964,000</u>	<u>\$ 991,000</u>	<u>\$ 994,000</u>

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2022
BUDGET PROJECTION

Capacity	\$ 813,000
Energy	<u>181,000</u>
Total	<u>\$ 994,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	555125
ACCOUNT TITLE:	Purchased Power Expense - Nuclear Project 5 - Seabrook		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 43,000	\$ 44,000	\$ 44,000

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2022
BUDGET PROJECTION

Capacity	\$ 36,000
Energy	<u>8,000</u>
	<u>\$ 44,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	555126
ACCOUNT TITLE:	Purchased Power Expense - Nuclear Project 6 - Seabrook		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 381,000	\$ 391,000	\$ 388,000

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2022
BUDGET PROJECTION

Capacity	\$ 318,000
Energy	<u>70,000</u>
	<u>\$ 388,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	556100
ACCOUNT TITLE:	Purchased Power Expense - Stranded Cost Provision		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ -	\$ -	\$ -

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2022
BUDGET PROJECTION

Reinvest interest only

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	557100
ACCOUNT TITLE:	Purchased Power Expense - Other Supply Expense		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 387,000	\$ 345,000	\$ 387,000

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2022
BUDGET PROJECTION

GM/Energy Analyst salary (25%)	\$ 48,000
Asst. General Manager (40%)	64,000
Power supply & regulatory consult	<u>275,000</u>
Total	<u>\$ 387,000</u>

GM/Energy Analyst Salary(30% Adm /25% Gas /25% Elect /20% Trns)
Asst. General Manager Salary(30% Adm /10% Gas /40% Elect /20% Trns)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	558100
ACCOUNT TITLE:	Decommissioning Expense		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ -	\$ -	\$ -

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2022
BUDGET PROJECTION

Future decommissioning costs included
in monthly project-related billing

\$ -

Total

\$ -

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Electric	G/L ACCOUNT #:	565100
ACCOUNT TITLE:	Transmission of Electricity by Others		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
<u>\$ 5,497,000</u>	<u>\$ 4,292,000</u>	<u>\$ 4,631,000</u>

ACCOUNT DESCRIPTION:

Transmission costs related to ISO Tariff and socialized costs for maintaining Northeast regional transmission resources allocated on share of monthly peak.

EXPLANATION OF 2022 BUDGET PROJECTION

Note: Reflects Regional Transmission charges through ISO-NE OATT and National Grid.

	<u>\$ 4,631,000</u>
Total	<u><u>\$ 4,631,000</u></u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

BUDGETED GAS SUPPLY EXPENSE

FYE 12/31/2022

ACCOUNT NUMBER	UNIT	2021 BUDGET	2021 FORECAST	2022 BUDGET	BUDGET 22 to BUDGET 21 % CHANGE	BUDGET 22 to FORECAST % CHANGE
804120	Columbia/Baystate Note - A	\$ 145,000	\$ 120,000	\$ 145,000	0%	21%
804520	Engie/Distrigas Note - B	1,985,000	2,137,000	2,462,000	24%	15%
804620	Mercuria/JPMorgan Note - C	2,985,000	2,946,000	3,683,000	23%	25%
804720	Mercuria/JPMorgan Interruptible	1,600,000	1,600,000	1,300,000	-19%	-19%
807200	Misc Purchased Gas	71,000	72,000	78,000	10%	8%
	Firm and Interruptible Supply	<u>\$ 6,786,000</u>	<u>\$ 6,875,000</u>	<u>\$ 7,668,000</u>	13%	12%
	Firm Gas Supply Costs	<u>\$ 5,186,000</u>	<u>\$ 5,275,000</u>	<u>\$ 6,368,000</u>	23%	21%
	Total ccf Sold	9,800,000	10,088,000	9,600,000	-2%	-5%
	Firm ccf Sold	6,810,000	6,900,000	6,810,000	0%	-1%
	Cost per CCF Sold	0.69	0.68	0.80	15%	17%
	Cost/firm CCF Sold	0.76	0.76	0.94	23%	22%

Notes:

A - Eversource/CMA peaking contract terminated after April 2014;

Take or Pay transport costs are levelized throughout the season and reflect new contract 11/1/2014.

B - Constellation/Distrigas contract renegotiated to supply peak months only with vapor/liquid option primary point deliveries to MG&E. Trangas LNG trucking costs added to Engie/GDF/Suez/Distrigas.

C - In the Past MGED has not budgeted Interruptible Gas Purchases or Sales and started with FY20 Forecast and FY21 Budget.

D - Interstate Pipeline Costs, Peaking Service Charges and other Firm costs are not Used/Recovered with Interruptible Service

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

GAS SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT #:	804120
ACCOUNT TITLE:	Natural Gas Purchases - Baystate-CMA-Eversource		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 145,000	\$ 120,000	\$ 145,000

ACCOUNT DESCRIPTION: New transport contract commencing 11/1/2014 sets monthly demand at \$6k, Usage charge at \$0.40/MMBtu.

EXPLANATION OF 2022
BUDGET PROJECTION

Transport	<u>145,000</u>
Total	<u>\$ 145,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

GAS SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT #:	804520
ACCOUNT TITLE:	Natural Gas Purchases - Constellation/Distrigas & Transgas LNG Trucking		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 1,985,000</u>	<u>\$ 2,137,000</u>	<u>\$ 2,462,000</u>

ACCOUNT

DESCRIPTION:

Peak Season Vapor/Delivery Contract
 Dec-Jan-Feb 1,900 MMBtu/day
 Option to take 15 trucks of LNG
 4 Yr contract beginning 11/1/18
 Volume increase for 11/1/19 to 3/31/22

EXPLANATION OF 2022

BUDGET PROJECTION

Natural gas purchased from Constellation/Distrigas/Engie

Constellation	Demand	Peak months	\$ 1,433,000
	Commodity	Peak months	892,000
	Commodity	LNG Supply	102,000
Trangas	Trucking	LNG Transport	<u>35,000</u>
		Total	<u>\$ 2,462,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

GAS SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT #:	804620
ACCOUNT TITLE:	Natural Gas Purchase - Mercuria/JP Morgan		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 2,985,000	\$ 2,946,000	\$ 3,683,000

ACCOUNT DESCRIPTION: Purchases of gas from gas pipeline suppliers

EXPLANATION OF 2022 BUDGET PROJECTION: Natural gas purchases from Mercuria/JP Morgan, successor to Sempra. Asset management and full requirements supply. Legal Outside Counsel inc Tetco/AGT Rate Cases Pipeline Capacity Demand Charges Enbridge Spectra Enbridge Spectra AIM Project Capacity Costs 11/1/2016

Enbridge Spectra (Tetco/AGT) Demand	\$ 934,000
McCarter English & Thompson Coburn	24,000
Mercuria/JP Morgan Firm	2,589,000
Mercuria/JP Morgan Citygate Purchase	136,000
Total	<u>\$ 3,683,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

GAS SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT #:	804720
ACCOUNT TITLE:	Natural Gas Purchase - Mercuria (Interruptible)		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 1,600,000	\$ 1,600,000	\$ 1,300,000

ACCOUNT DESCRIPTION: Purchases of gas from gas pipeline suppliers

EXPLANATION OF 2022 BUDGET PROJECTION: Natural gas purchases from Citygate Suppliers

Mercuria/JP Morgan Citygate Purchase	<u>\$ 1,300,000</u>
Total	<u><u>\$ 1,300,000</u></u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

GAS SUPPLY EXPENSE

FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT #:	807200
ACCOUNT TITLE:	Purchased Gas Expenses		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 71,000	\$ 72,000	\$ 78,000

ACCOUNT DESCRIPTION: Purchased Gas Expenses

EXPLANATION OF 2022 BUDGET PROJECTION

Miscellaneous expenses associated with the purchase of gas.
Reduced Gas Supply Consulting expenses/publications.

GM/Energy Analyst salary (25%)	\$ 57,000
Asst. General Manager (10%)	16,000
Gas supply consulting	<u>5,000</u>
Total	<u>\$ 78,000</u>

GM/Energy Analyst Salary
(30% Adm /25% Gas /25% Elect /20% Trns)
Asst. General Manager Salary
(30% Adm /10% Gas /40% Elect /20% Trns)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
BUDGETED OPERATIONS AND MAINTENANCE EXPENSES

ELECTRIC DIVISION

<u>ACCOUNT</u>	<u>ACCOUNT TITLE</u>	FYE 12/31/2022			BUDGET 22	BUDGET 22
		2021 BUDGET	2021 FORECAST	2022 BUDGET	to BUDGET 21 % CHANGE	to FORECAST % CHANGE
OTHER POWER GENERATION - OPERATIONS						
546100	Generation Operation Supervision & Engineering	\$ 28,000	\$ 26,000	\$ 29,000	4%	12%
547100	Generation Operation - Fuel	40,000	24,000	40,000	0%	67%
548100	Generation Operation Expense	15,000	-	27,000	80%	-
Total Other Power Generation-Operations Expense:		\$ 83,000	\$ 50,000	\$ 96,000	16%	92%
GENERATION, OTHER POWER - MAINTENANCE						
553100	Maint. Of Generating & Electric Equipment	\$ 76,000	\$ 65,000	\$ 74,000	-3%	14%
Total Other Power Generation - Maintenance:		\$ 76,000	\$ 65,000	\$ 74,000	-3%	14%
TRANSMISSION - OPERATIONS						
560100	Transmission Operation Supervision & Engineering	\$ 246,000	\$ 189,000	\$ 271,000	10%	43%
562100	Transmission Station Expense	112,000	83,000	135,000	21%	63%
569100	Maintenance of Transmission Structures	30,000	91,000	93,000	210%	2%
571100	Maintenance of Overhead Transmission Lines	34,000	59,000	60,000	76%	2%
Total Transmission-Operations Expense:		422,000	422,000	559,000	32%	32%
DISTRIBUTION - OPERATIONS						
580100	Operations - Supervision & Engineering	176,000	168,000	274,000	56%	63%
582100	Distribution Station Expense	275,000	333,000	295,000	7%	-11%
586100	Meters Operations Expense	95,000	108,000	179,000	88%	66%
588100	Miscellaneous distribution - Operations Expense	473,000	467,000	314,000	-34%	-33%
Total Distribution - Operations Expense:		1,019,000	1,076,000	1,062,000	4%	-1%
DISTRIBUTION - MAINTENANCE						
590100	Maintenance - Supervision & Engineering	171,000	168,000	176,000	3%	5%
592100	Maintenance of Station Equipment	70,000	30,000	70,000	0%	133%
593100	Maintenance of Overhead Lines	2,883,000	2,100,000	3,133,000	9%	49%
594100	Maintenance of Underground Lines	30,000	29,000	31,000	3%	7%
595100	Maintenance of Line Transformers	44,000	37,000	44,000	0%	19%
596100	Maintenance of Street Lights	31,000	19,000	31,000	0%	63%
597100	Maintenance of Meters	2,000	8,000	2,000	0%	-75%
599100	Maintenance of Vehicles	91,000	116,000	128,000	41%	10%
Total Distribution - Maintenance:		3,322,000	2,507,000	3,615,000	9%	44%
SUMMARY OF EXPENSES:						
Total Other Power Generation-Operations Expense:		83,000	50,000	96,000	16%	92%
Total Other Power Generation - Maintenance:		76,000	65,000	74,000	-3%	14%
Total Transmission-Operations Expense:		422,000	422,000	559,000	32%	32%
Total Distribution - Operations Expense:		1,019,000	1,076,000	1,062,000	4%	-1%
Total Distribution - Maintenance:		3,322,000	2,507,000	3,615,000	9%	44%
		\$ 4,922,000	\$ 4,120,000	\$ 5,406,000	10%	31%

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	546100
ACCOUNT TITLE:	Generation Operation Supervision & Engineering		

ACCOUNT HISTORY

	<u>2021</u>	<u>2021</u>	<u>2022</u>
	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
	\$ 28,000	\$ 26,000	\$ 29,000

ACCOUNT DESCRIPTION: Generation Operation Supervision & Engineering

EXPLANATION OF 2022 BUDGET PROJECTION

1 Electric Engineer (20%) \$ 29,000

\$ 29,000

Balance of Electric Engineer in 560100 (20%),
580100 (30%), and 590100 (30%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	547100
ACCOUNT TITLE:	Generation Operation - Fuel		

ACCOUNT HISTORY

	<u>2021</u>	<u>2021</u>	<u>2022</u>
	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
	\$ 40,000	\$ 24,000	\$ 40,000

ACCOUNT DESCRIPTION: Generation Operation - Fuel Usage

EXPLANATION OF 2022 BUDGET PROJECTION

1 Gas Usage	\$ 40,000
	<hr/>
	<u>\$ 40,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	548100
ACCOUNT TITLE:	Generation Operation Expense		

ACCOUNT HISTORY

	<u>2021</u>	<u>2021</u>	<u>2022</u>
	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
	\$ 15,000	\$ -	\$ 27,000

ACCOUNT DESCRIPTION: Generation Operation Expense

EXPLANATION OF 2022 BUDGET PROJECTION

1 Dispatch Consulting	\$ 5,000
2 Environmental Consulting	10,000
3 Routine maintenance/repairs	12,000

\$ 27,000

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	553100
ACCOUNT TITLE:	Maint. Of Generating & Electric Equipment		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
\$ 76,000	\$ 65,000	\$ 74,000

ACCOUNT
DESCRIPTION:

Maint. Of Generating & Electric Equipment

EXPLANATION OF 2022
BUDGET PROJECTION

1 General Facility Area Maint	\$ 10,000
2 Substation Technician (60%)	54,000
3 Facility Security	10,000

\$ 74,000

Balance of Substation Technician Salary in 562100 (8%)
and 582100 (32%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	560100
ACCOUNT TITLE:	Transmission Operation Supervision & Engineering		

ACCOUNT HISTORY

	<u>2021</u>	<u>2021</u>	<u>2022</u>
	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
	<u>\$ 246,000</u>	<u>\$ 189,000</u>	<u>\$ 271,000</u>

ACCOUNT DESCRIPTION: Transmission Operation Supervision & Engineering

EXPLANATION OF 2022 BUDGET PROJECTION

1 Electric Division Manager (20%)	\$ 37,000
2 Electric Engineer (20%)	28,500
3 General Manager (20%)	39,700
4 Accounting Manager (20%)	27,000
5 Accounting Supervisor (20%)	17,500
6 Asst. Manager Electric Division (20%)	28,500
7 Asst. General Manager (20%)	32,800
8 PLM	20,000
9 Utility Services	20,000
10 Transmission training and planning	20,000
	<u>\$ 271,000</u>

- 1 Balance of Electric Division Manager in 580100 (40%) and 590100 (40%)
- 2 Balance of Electric Engineer in 546100 (20%), 580100 (30%), and 590100 (30%)
- 3 Balance of General Manager in 557100 (25%), 807200 (25%), and 920100 (30%)
- 4 Balance of Accounting Manager, Accounting Supervisor, in 920100 (80%)
- 6 Balance of Asst. Manager Electric (40%) 580100 and (40%) 590100
- 7 Balance of Asst. General Manager Salary 920100 (30%), 807200 (10%), and 557100 (40%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	562100
ACCOUNT TITLE:	Transmission Station Expense		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 112,000</u>	<u>\$ 83,000</u>	<u>\$ 135,000</u>

ACCOUNT DESCRIPTION: Transmission Station Expense

EXPLANATION OF 2022 BUDGET PROJECTION

1 Station Operators (20%)	\$ 65,000
2 Assistant Manager of Operations (20%)	18,000
3 Monthly expenses of Middleborough's share of Bridgewater substation.	<u>52,000</u>
	<u>\$ 135,000</u>

Balance of Station Operators in 582100 (80%)
Includes Substation Tech 562100 (8%), 582100 (32%), and 553100 (60%)
Balance of Assistant Manager of Operations in 580100 (30%), 582100 (30%), and 588100 (20%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	569100
ACCOUNT TITLE:	Maintenance of Transmission Structures		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 30,000</u>	<u>\$ 91,000</u>	<u>\$ 93,000</u>

ACCOUNT
DESCRIPTION:

Expenses associated with maintaining
transmission line structures.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Labor & Materials	\$90,000
2 Pole inspection program/Alamon	<u>3,000</u>
Total	<u>\$93,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	571100
ACCOUNT TITLE:	Maintenance of Overhead Transmission Lines		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 34,000</u>	<u>\$ 59,000</u>	<u>\$ 60,000</u>

ACCOUNT
DESCRIPTION:

Maintenance of 115 KV transmission lines.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Regular Maintenance	\$ 27,600
2 Conrail Crossing Fee	400
3 Maintenance Mowing	<u>32,000</u>
Total	<u>\$ 60,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	580100
ACCOUNT TITLE:	Operations Supervision and Engineering		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 176,000</u>	<u>\$ 168,000</u>	<u>\$ 274,000</u>

ACCOUNT
DESCRIPTION:

Payroll Expenses for management
personnel in Electric Division.

EXPLANATION OF 2022
BUDGET PROJECTION

Management Salaries:

1 Electric Division Manager (40%)	\$ 77,000
2 Electric Engineer (30%)	41,500
3 Asst. Manager Electric Division (40%)	57,000
4 Asst. Manager of Operations (30%)	27,000
5 Asst. Engineer	65,000
6 Safety Shoes	1,000
7 Training Workshops	5,500
Total	<u>\$ 274,000</u>

NOTE:

- Balance of Electric Division Manager in 560100 (20%) and 590100 (40%)
- Balance of Electric Engineer in 546100 (20%), 560100 (20%), and 590100 (30%)
- Balance of Asst. Manager Electric (20%) 560100 and (40%) 590100
- Balance of Asst. Manager of Operations 582100 (30%), 562100 (20%), and 588100 (20%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	582100
ACCOUNT TITLE:	Distribution Station Expense		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 275,000</u>	<u>\$ 333,000</u>	<u>\$ 295,000</u>

ACCOUNT DESCRIPTION:

Expenses associated with operating the distribution substation.

EXPLANATION OF 2022 BUDGET PROJECTION

1 Station Operators (80%)	\$ 259,000
2 Electric Maintenance Worker (10%)	6,500
3 Assistant Manager of Operations (30%)	27,000
4 Safety Shoes	1,200
5 Misc. Substation Expenses	1,300
Total	<u>\$ 295,000</u>

Balance of Electric Maintenance Worker is in 588100 (10%), 594100 (40%), and 599100 (40%)

Balance of Station Operators Salary in 562100 (20%)

Station Operator Salaries includes Substation Technician (32%), balance in 553100 (60%) and 562100 (8%)

Balance of Assistant Manager of Operations in 562100 (20%), 588100 (20%), and 580100 (30%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	586100
ACCOUNT TITLE:	Meter Operations Expense		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 95,000</u>	<u>\$ 108,000</u>	<u>\$ 179,000</u>

ACCOUNT

DESCRIPTION: Payroll and materials expense of meter operations.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Electrical Meterman Foremen	\$ 93,000
2 Electrical Meterman	80,000
3 Materials	1,700
4 Safety Shoes	600
5 Test Board Calibration	3,700
	<hr/>
Total	<u>\$ 179,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	588100
ACCOUNT TITLE:	Miscellaneous Distribution - Operations Expense		

ACCOUNT HISTORY

	2021	2021	2022
	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
	\$ 473,000	\$ 467,000	\$ 314,000

ACCOUNT
DESCRIPTION

Miscellaneous expenses of
distribution operations.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Assistant Manager of Operations (20%)	\$ 18,000
2 Map & Records Technician	70,000
3 Records Clerk	52,000
4 Stockperson	78,500
5 Facility maintenance worker (50%)	35,000
6 Electrical maintenance worker (10%)	6,500
7 Part Time help	-
8 Uniforms, Safety Shoes	6,000
9 Office Equipment Maint.	4,000
10 Maintenance Expenses	7,000
11 First Aid Supplies	1,500
12 Misc. Expenses	6,000
13 Cleaning Supplies	3,000
14 Radio Repairs	10,000
15 Town Water	1,000
16 Training (CPR, RTK, etc.)	5,000
17 Grounds Maintenance	6,000
18 Weather Services 50%	4,500
Total	<u>\$ 314,000</u>

Balance of Electrical Maintenance Worker in 582100 (10%)
594100 (40%), and 599100 (40%)
Balance of Assistant Manager of Operations in 580100 (30%)
582100 (30%), and 562100 (20%)
Balance of facility maintenance worker is in gas account 886200 (50%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	590100
ACCOUNT TITLE:	Maintenance - Supervision and Engineering		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 171,000</u>	<u>\$ 168,000</u>	<u>\$ 176,000</u>

ACCOUNT
DESCRIPTION

Payroll expenses for management personnel.

EXPLANATION OF 2022
BUDGET PROJECTION

Management Salaries:

1 Electric Division Manager (40%)	\$ 77,600
2 Electric Engineer (30%)	41,400
3 Asst. Manager Electric Division (40%)	<u>57,000</u>
Total	<u>\$ 176,000</u>

- 1 Balance of Electric Division Manager in 580100 (40%) and 560100 (20%)
- 2 Balance of Electric Engineer in 546100 (20%), 560100 (20%), and 580100 (30%)
- 3 Balance of Asst. Manager Electric (20%) 560100 and (40%) 580100

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	592100
ACCOUNT TITLE:	Maintenance of Station Equipment		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 70,000</u>	<u>\$ 30,000</u>	<u>\$ 70,000</u>

ACCOUNT
DESCRIPTION

Maintenance of substation equipment every other year.

EXPLANATION OF 2022
BUDGET PROJECTION

1 General Maintenance, testing and calibration of substation equipment	
UPG maintenance	<u>\$ 70,000</u>
Total	<u>\$ 70,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	593100
ACCOUNT TITLE:	Maintenance of Overhead Lines		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 2,883,000</u>	<u>\$ 2,100,000</u>	<u>\$ 3,133,000</u>

ACCOUNT DESCRIPTION

Expenses associated with maintenance and operation of the overhead distribution system.

EXPLANATION OF 2022 BUDGET PROJECTION

1 16 Line workers	\$ 1,564,000
2 Tree Trimming-Barnes	1,000,000
3 Materials	45,000
4 Uniforms, Safety Shoes	24,000
5 Police Details	221,000
6 Glove Testing	12,000
7 Lineworker Training-NEPPA	20,000
8 Utility Services (NERC)	11,000
9 Miscellaneous Expenses (license fees, etc.)	2,000
10 Infrared Services	5,000
11 Pole inspection program/Alamon	9,000
12 Work Place Safety Solutions	20,000
13 Emergency Restorations	<u>200,000</u>
Total	<u>\$ 3,133,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	594100
ACCOUNT TITLE:	Maintenance of Underground Lines - (Dig Safe 100%)		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 30,000</u>	<u>\$ 29,000</u>	<u>\$ 31,000</u>

ACCOUNT DESCRIPTION

Expenses related to maintenance and operation of underground distribution lines.

EXPLANATION OF 2022 BUDGET PROJECTION

1 Materials	\$ 1,600
2 Electrical maintenance worker Dig Safe (40%)	26,000
3 Dig Safe Membership	<u>3,400</u>
Total	<u>\$ 31,000</u>

Balance of Electrical maintenance worker in 588100 (10%), 599100 (40%), and 582100 (10%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	595100
ACCOUNT TITLE:	Maintenance of Line Transformers		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 44,000</u>	<u>\$ 37,000</u>	<u>\$ 44,000</u>

ACCOUNT DESCRIPTION

Estimated costs of maintaining and retiring transformers in accordance with industry standards and environmental regulations.

EXPLANATION OF 2022 BUDGET PROJECTION

1 Transformer Testing	\$ 2,000
2 Transformer Disposal	27,000
3 Transformer Repairing	5,000
4 Spill Clean-Up	4,000
5 Labor	<u>6,000</u>
Total	<u>\$ 44,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	596100
ACCOUNT TITLE:	Maintenance of Street Lights		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 31,000</u>	<u>\$ 19,000</u>	<u>\$ 31,000</u>

ACCOUNT
DESCRIPTION

Expenses associated with street light maintenance.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Materials	\$ 12,000
2 Labor	<u>19,000</u>
Total	<u>\$ 31,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	597100
ACCOUNT TITLE:	Maintenance of Meters		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 2,000</u>	<u>\$ 8,000</u>	<u>\$ 2,000</u>

ACCOUNT
DESCRIPTION

Expenses associated with maintenance
of electric meters and equipment.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Meter Supplies (rings, seals, etc.)	<u>\$ 2,000</u>
Total	<u><u>\$ 2,000</u></u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	ELECTRIC	G/L ACCOUNT NO:	599100
ACCOUNT TITLE:	Maintenance of Vehicles		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 91,000</u>	<u>\$ 116,000</u>	<u>\$ 128,000</u>

ACCOUNT
DESCRIPTION

Expenses associated with maintenance
of Electric Division trucks.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Materials	\$ 5,000
2 Electrical maintenance worker (40%)	26,000
3 Outside Services/Repairs	30,000
4 Fuel (Gasoline & Diesel)	57,500
5 Central Fuel O&M	300
6 Software for maintenance records	5,000
7 Maintenance of Vehicles (transferred from account 933100/200)	4,200
Total	<u>\$ 128,000</u>

Balance of electrical maintenance worker in 582100 (10%),
588100 (10%), and 594100 (40%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
BUDGETED OPERATIONS AND MAINTENANCE EXPENSES

GAS DIVISION
FYE 12/31/2022

<u>ACCOUNT</u>	<u>ACCOUNT TITLE</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>	<u>BUDGET 22</u> <u>to</u> <u>BUDGET 21</u> <u>% CHANGE</u>	<u>BUDGET 22</u> <u>to</u> <u>FORECAST</u> <u>% CHANGE</u>
LOCAL STORAGE EXPENSE:						
	844200 Miscellaneous Production Expense	\$ 59,000	\$ 53,000	\$ 69,000	17%	30%
	Total Local Storage Expense:	59,000	53,000	69,000	17%	30%
DISTRIBUTION EXPENSE						
	870200 Operation Supervision & Engineering	211,000	176,000	188,000	-11%	7%
	871200 Distribution Load Dispatching	153,000	130,000	137,000	-10%	5%
	874200 Mains and Services Expense	151,000	146,000	179,000	19%	23%
	878200 Meters and House Regulator Expense	139,000	169,000	161,000	16%	-5%
	879200 Customer Installation Expense	224,000	172,000	198,000	-12%	15%
	880200 Other Expense	333,000	282,000	327,000	-2%	16%
	881200 Rents Expense	1,000	-	1,000	0%	-
	882200 Digsafe	125,000	126,000	129,000	3%	2%
	Total Distribution Expense:	1,337,000	1,201,000	1,320,000	-1%	10%
MAINTENANCE EXPENSE						
	885200 Maintenance Supervision & Engineering	239,000	234,000	245,000	3%	5%
	886200 Maintenance of Structures & Improvements	122,000	140,000	148,000	21%	6%
	887200 Maintenance of Mains	26,000	24,000	61,000	135%	154%
	889200 Maintenance of Measuring & Regulating Equip.	67,000	55,000	73,000	9%	33%
	892200 Maintenance of Services	163,000	163,000	166,000	2%	2%
	894200 Maintenance of Other Equipment	20,000	23,000	19,000	-5%	-17%
	896200 Maintenance of Power Operated Equipment	64,000	61,000	65,000	2%	7%
	Total Maintenance Expense:	701,000	700,000	777,000	11%	11%
SUMMARY OF EXPENSES:						
	Total Local Storage Expense:	59,000	53,000	69,000	17%	30%
	Total Distribution Expense:	1,337,000	1,201,000	1,320,000	-1%	10%
	Total Maintenance Expense:	701,000	700,000	777,000	11%	11%
		<u>\$ 2,097,000</u>	<u>\$ 1,954,000</u>	<u>\$ 2,166,000</u>	<u>3.3%</u>	<u>10.8%</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	844200
ACCOUNT TITLE:	Miscellaneous Production Expenses		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 59,000	\$ 53,000	\$ 69,000

ACCOUNT

DESCRIPTION: Cost of labor, material used and expenses incurred in operating and maintaining MGED liquefied natural gas (LNG) facility. As well as yard and equipment maintenance snow removal, mowing lawns, daily inspections, annual calibrations and testing relief valves, etc. associated with the MGED LNG peak shaving facility.

EXPLANATION OF 2022
 BUDGET PROJECTION

Plant Maintenance and Safety Equipment

1	Annual transfer hose testing	\$ 1,500
2	Fire protection equipment	3,000
3	Gas detection equipment	1,500
4	US Dept of Transportation User Fee	2,700
5	Miscellaneous equipment & supplies	2,300
6	Security System Repairs	10,000
7	Vegetation Control	1,000
8	Annual control & system calibration & testing	5,000
9	Standby Generator Maint. and Annual Load Test	3,000
10	LNG Consultant (Due to new UVIR's)	3,000
11	LNG Fire Study Review	12,000
12	Air Compressor Maintenance	3,000
13	Odorization Maintenance & Supplies	5,000
14	Labor	16,000
	Total	\$ 69,000

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUN	870200
ACCOUNT TITLE: Operations Supervision and Engineering			

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 211,000	\$ 176,000	\$ 188,000

ACCOUNT DESCRIPTION: Cost of labor and expenses incurred in general supervision and direction of distribution system operations.

EXPLANATION OF 2022 BUDGET PROJECTION

1 Gas Division Manager of Engineering (20%)	\$	31,000
2 Gas Divison Manager of Operations (35%)		54,000
3 Gas Divison Operations Supervisor (35%)		40,000

EXPLANATION OF

Training Schools:

4 Northeast Gas Association Operations School	5,500
5 Northeast Gas Assoc.Operator Qualification Fee & Testi	9,000
6 US Dept of Transportation Safety Seminar	2,000
7 Northeast Gas Assoc. LNG Fire Fighting Training	12,500
8 First Aid / CPR	1,000
9 Leak Investigation/First Responder Training	3,500
10 Right-to-Know and Hazwoper Training	3,500
11 Customer Contact Training	2,000
12 Misc. Training	4,000
13 Cathodic Protection	2,500
14 Labor	17,500

Total \$ 188,000

NOTE:

Balance of Manager of Engineering salary located in accounts 880200 (30%) & 885200 (50%)

Balance of Manager of Operations salary is located in accounts 882200 (30%) and 885200 (35%)

Balance of Gas Division Operations Supervisor salary is located in accounts 882200 (30%) and 885200 (35%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	871200
ACCOUNT TITLE:	Distribution Load Dispatching		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 153,000</u>	<u>\$ 130,000</u>	<u>\$ 137,000</u>

ACCOUNT
DESCRIPTION:

Labor cost and expenses incurred in dispatching, monitoring and controlling the distribution system pressures. Operating MGED's LNG peak shaving facility and interconnects with Columbia Gas of MA.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Weather Service (50% gas 50% Elec. Account)	\$	4,500
2 Misc. repairs to the departments Supervisory Control and Data Acquisition (SCADA)		8,500
3 Labor		<u>124,000</u>
Total		<u>\$ 137,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	874200
ACCOUNT TITLE:	Mains & Services Expenses		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 151,000	\$ 146,000	\$ 179,000

ACCOUNT

Description: Material and labor cost associated with conducting distribution leak, odorant, corrosion and valve surveys. Inspection of pressure recording charts and district regulation station inspections.

EXPLANATION OF 2022
BUDGET PROJECTION

1	Uniforms for construction dept	\$	6,000
2	Safety shoes		4,000
3	Replacement tools		1,600
4	Water & Sewer		1,200
5	New England CP annual cathodic protection inspections		2,800
6	NE Gas Association PE Pipe Joining Re-Qualification		3,200
7	License renewals & meals allowances		2,000
8	Welding Re-Qualifications		-
9	Right of Way Clearing		3,200
10	Oxygen, Acetylene, Nitrogen, Etc.		2,000
11	Surveys & Analysis - Leak Survey Contractors		-
12	Misc Supplies: (safety equipment, batteries, repair clamps fittings, nuts, bolts, screws, pressure recording charts & gauges, lawn equip, etc.)		5,000
13	Calibration, testing and repair of dept. equipment (Gas Detectors, Pipe Locators, CO detectors, Pyrometers, etc.)		10,000
14	Labor		<u>138,000</u>
	Total		<u><u>\$ 179,000</u></u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	878200
ACCOUNT TITLE:	Meter & House Regulator Expenses		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 139,000	\$ 169,000	\$ 161,000

ACCOUNT DESCRIPTION: Cost of labor, materials used and expenses incurred in connection with removing, changing and testing residential and commercial meters and regulators.

EXPLANATION OF 2022 BUDGET PROJECTION

1	Labor cost for state meter change and calibration requirements, transporting and exchanging meters on existing service risers. Gas service connects and shut-offs. Recording meter records and calibrations for commercial and residential meters. Cleaning, rebuilding, painting and installation of Advanced Metering Infrastructure (AMI).	\$ 137,500
2	Mass DPU Inspector - meter inspections and state seals.	15,000
3	Snap Prover Service & Certification (every 3 years) and Snap MMX Prover Upgrade Kit - Level 3.	-
4	Misc. supply for above: (Meter parts, paint & supplies, meter index lens, dials, seals, batteries, etc.)	8,500
	Total	\$ 161,000

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	879200
ACCOUNT TITLE:	Customer Installation Expenses		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 224,000</u>	<u>\$ 172,000</u>	<u>\$ 198,000</u>

ACCOUNT DESCRIPTION

Cost of labor, materials and expenses incurred in work on customer premises such as:

- * Investigating odor calls on customers premises
- * Carbon Monoxide (CO) and fire dept calls involving gas appliances etc.
- * Researching abnormally high bills/gas consumption
- * Turning on and shutting-off gas meters and read and leave request
- * After hour calls (nights, weekends and holidays) for emergencies, emergency dig safe requests, odor calls etc.

NOTE: MGED has discontinued appliance service as of April 28, 2018. Emergency calls regarding public safety such as Odor, CO and fire calls as well as MGED work, (for example: turn ons and shut-offs, read leaves and high bill investigations) are not charged.

EXPLANATION OF 2022 BUDGET PROJECTION

1 Cost of materials and supplies required to make odor calls & CO calls.		\$ 9,000
2 Uniforms for the service dept employees		4,000
3 Labor:		
Service Foreman 10% pay	16,500	
Service Tech. 45% pay	40,500	
Service Tech. 25% pay	22,500	
Station Operator 40% pay	30,000	
On-call standby pay	45,000	
Overtime pay call-outs	30,500	
Total labor cost		<u>185,000</u>
Total		<u>\$ 198,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	880200
ACCOUNT TITLE:	Other Expenses		

ACCOUNT HISTORY

2021 BUDGET	2021 FORECAST	2022 BUDGET
\$ 333,000	\$ 282,000	\$ 327,000

ACCOUNT
DESCRIPTION

Cost associated with maintaining MGED's distribution maps and records.
 Office supplies and expenses and any other cost and expense incurred on the
 distribution system not provide for elsewhere.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Gas Division Manager of Engineering (30%)	\$	46,000
2 Gas Division Engineer (50%)		58,000
3 Gas Division Map & Records Technician (100%)		58,000
4 Greenhouse Gas reporting & verification consultant		6,000
5 Consulting work mPower		37,000
6 Summer interships & Cadet Program		15,000
7 Miscellaneous office supplies, maps, copy machine maintenance and material and expenses incurred in distribution system operation not provided for elsewhere.		12,000
8 Misc. Consulting Training and operating procedure updates 5 yr review Dist. Integrity Management Plan (DIMP)		25,000 -
9 Consultant as DPU Oversight		15,000
10 Relief Valve Calculations/update		10,000
11 Consultant Professional Engineer		25,000
12 Comply with PSMS		20,000
Total	\$	327,000

NOTE:

Balance of Gas Division Manager of Engineering salary is in accounts 870200 (20%)
 & 885200 (50%)
 Balance of Gas Division Engineer's salary is in account 885200 (50%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	881200
ACCOUNT TITLE:	Rents		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
\$ 1,000	\$ -	\$ 1,000

ACCOUNT
DESCRIPTION

Rent for property of others
Railroad Crossing

EXPLANATION OF 2022
BUDGET PROJECTION

1 Con Rail Lease for the eight-inch gas main located under the railroad tracks on Center Avenue near the gas division office.	<u>\$ 1,000</u>
Total	<u>\$ 1,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	882200
ACCOUNT TITLE:	Dig Safe		

ACCOUNT HISTORY

<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
\$ 125,000	\$ 126,000	\$ 129,000

ACCOUNT DESCRIPTION

Expenses associated with gas main and service line locating MGED's underground facilities. 811- Dig Safe request.

EXPLANATION OF 2022 BUDGET PROJECTION

1 Gas Division Manager of Operations (30%)		\$ 46,000
2 Gas Divison Operations Supervisor (30%)		34,500
3 Materials - Paint and flags used to mark out gas mains and service lines for dig safe request		4,000
4 Digsafe Membership Dues (50%)		6,000
5 Labor cost for this account		<u>38,500</u>
Total		<u>\$ 129,000</u>

Note:

The balance of the Digsafe membership dues is in Electric account 594100

Balance of Manager of Operations salary is in accounts 870200 (35%) and 885200 (35%)
 Balance of Gas Division Operations Supervisor salary is in accounts 870200 (35%) and 885200 (35%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	885200
ACCOUNT TITLE:	Maintenance, Supervision & Engineering		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
\$ 239,000	\$ 234,000	\$ 245,000

ACCOUNT DESCRIPTION

Cost of labor and expenses incurred in the general supervision and direction of maintenance of distribution system facilities.

EXPLANATION OF 2022 BUDGET PROJECTION

1 Gas Division Manager of Engineering (50%)	\$ 77,000
2 Gas Division Manager of Operations (35%)	54,000
3 Gas Division Operations Supervisor (35%)	40,000
4 Gas Division Engineer (50%)	58,000
5 Manager On-Call (\$300/Week)	16,000
Total	\$ 245,000

NOTE:

Balance of Gas Division Manager of Engineering salary is in accounts 870200 (20%) & 880200 (30%)
 Balance of Gas Division Manager of Operations salary is in accounts 870200 (35%) and 882200 (30%)
 Balance of Gas Division Operations Supervisor salary is in accounts 870200 (35%) and 882200 (30%)
 Balance of Gas Division Engineer's salary is in account 880200 (50%)

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	886200
ACCOUNT TITLE:	Maintenance of Structures & Improvements		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 122,000</u>	<u>\$ 140,000</u>	<u>\$ 148,000</u>

ACCOUNT
DESCRIPTION

Cost of labor, materials used, and expenses incurred
in the maintenance of the Gas Division's buildings and structures.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Building and grounds maintenance: painting, yard work - mowing lawns, janitorial supplies, Cleaning, heat & AC repairs, Exterminator, etc.	\$	43,000
2 Monitoring services for the security systems located at the operations office on Vine St and the South Middleborough Gate Station.		4,500
3 Gas Plant clean up project (oil gasification)		24,500
4 Comm of MA DEP annual compliance fee		1,000
5 Labor		<u>75,000</u>
 Total		 <u>\$ 148,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	887200
ACCOUNT TITLE:	Maintenance of Mains		

ACCOUNT HISTORY

<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 26,000</u>	<u>\$ 24,000</u>	<u>\$ 61,000</u>

ACCOUNT DESCRIPTION

Cost of labor, materials used and expenses incurred in the maintenance of distribution mains.

EXPLANATION OF 2022 BUDGET PROJECTION

1 Leak repairs, valve repairs and general system maintenance operations	\$	7,000
2 Replace 8-inch steel valve on Route 28, south of Smith Street. Valve is inoperable.		30,000
3 Police Details		4,000
4 Labor		<u>20,000</u>
Total		<u>\$ 61,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	889200
ACCOUNT TITLE:	Maintenance of Measuring & Regulating Station Equipment - General		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 67,000</u>	<u>\$ 55,000</u>	<u>\$ 73,000</u>

ACCOUNT DESCRIPTION

Cost of labor, materials used and expenses incurred in the maintenance and operation of measuring and regulator station equipment.

EXPLANATION OF 2022 BUDGET PROJECTION

Regulator station and large volume metering stations painting and maintenance work. Calibration of pressure recording charts, conducting pressure surveys, maintenance of district regulator stations regulators and relief valves.

1 Vegetation control	\$	1,000
2 Odorant deliveries		4,000
3 Preventative Maintenance contract for the NJEX odorizer		5,500
4 Preventative Maintenance supplies for the heater at the So. Middleborough gate station meter and regulators.		1,000
5 Masking agents for odorant, parts for recording charts, boots and misc. parts for annual preventative maintenance of over pressure protection devices and pressure regulators, misc supplies for pressure and temperature transmitters.		13,000
6 Annual calibration of chart recorders and transmitters		14,000
7 Three Remote Terminal Units (RTU's) as pre-programmed spares used to send data to the department's SCADA system. The three units are located at the Harding St, Taunton St & River St interconnects with Eversource Gas of Mass. (EGMA).		5,500
8 Labor		<u>29,000</u>
Total		<u>\$ 73,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	892200
ACCOUNT TITLE:	Maintenance of Services		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 163,000</u>	<u>\$ 163,000</u>	<u>\$ 166,000</u>

ACCOUNT
DESCRIPTION

This account includes the cost of labor, materials and expenses incurred in the maintenance of services line replacements due to age and condition. ie: fittings, valves, black top, loam seed and restoration of property.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Labor cost for this account is also used for the gas divisions employees: Sick Time Vacation Time Personal Time Holiday Pay Funeral Leave	\$ 154,000
2 Material - Pipe, valves, fittings, black top, gravel, loam seed for the restoration of property.	10,000
3 Police Details	2,000
Total	\$ 166,000

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES
 FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	894200
ACCOUNT TITLE:	Maintenance of Other Equipment		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 20,000</u>	<u>\$ 23,000</u>	<u>\$ 19,000</u>

ACCOUNT
DESCRIPTION:

Cost of labor, materials used and expenses incurred in the maintenance of all other distribution system equipment not provided for elsewhere.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Repair of power equipment, heat fusion equipment, drilling & tapping equipment, lawn equipment, two way radios, etc.	\$ 17,000
2 Labor	2,000
Total	<u>\$ 19,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

OPERATIONS AND MAINTENANCE EXPENSES

FYE 12/31/2022

DIVISION:	Gas	G/L ACCOUNT NO:	896200
ACCOUNT TITLE:	Maintenance of Power Operated Equipment		

ACCOUNT HISTORY

<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 64,000</u>	<u>\$ 61,000</u>	<u>\$ 65,000</u>

ACCOUNT DESCRIPTION:

Cost of labor, materials used and expenses incurred in the maintenance of power operated equipment.

EXPLANATION OF 2022 BUDGET PROJECTION

1 Maintenance of compressors, trenchers, backhoes, vehicles and other power operated equipment.	\$ 32,000
2 Diesel	9,000
3 Gasoline	20,000
4 CNG (No CNG Vehicles in the fleet)	-
5 Labor	<u>4,000</u>
Total	<u>\$ 65,000</u>

MIDDLEBOROUGH GAS and ELECTRIC

BUDGETED GENERAL and ADMINISTRATIVE EXPENSES

FYE 12/31/2022

ACCOUNT NUMBER	ACCOUNT TITLE	2021 BUDGET	2021 FORECAST	2022 BUDGET	BUD-22 to BUD-21 % CHANGE	BUD-22 to FCST-21 % CHANGE
902100/200	Meter Reading Expense	\$160,000	\$142,000	\$160,000	0%	13%
903100/200	Customer Records/Customer Service	703,000	635,000	766,000	9%	21%
903110/120	Bank Fee Expense	256,000	294,000	300,000	17%	2%
903310/320	Customer Records - Computer Costs	223,000	168,000	295,000	32%	76%
903410/420	Collection Agency Fees	18,000	5,000	18,000	0%	260%
904100/200	Provision for Uncollectable Accounts	320,000	181,000	320,000	0%	77%
909100/200	Energy Audit Program - Residential	300,000	310,000	400,000	33%	29%
909110/120	Energy Audit Program - C & I	107,000	58,000	115,000	7%	98%
909210/220	Economic Development	25,000	17,000	40,000	60%	135%
913100/200	Marketing Expense	65,000	31,500	65,000	0%	106%
913110/120	Communications Expense	85,000	68,500	75,000	-12%	9%
920100/200	Administrative & General Salaries	681,000	630,000	767,000	13%	22%
921100/200	Business Supplies & Expenses	230,000	146,000	225,000	-2%	54%
923100/200	Outside Services	123,000	95,000	129,000	5%	36%
924100/200	Insurance - Property & Liability	412,000	376,000	470,000	14%	25%
925100/200	Insurance Exp. - Workman's Comp.	100,000	68,000	100,000	0%	47%
925310/320	Sick Pay Accrual	96,000	95,000	96,000	0%	1%
925510/510	Vacation Pay Accrual	78,000	77,000	78,000	0%	1%
926100/200	Insurance Exp. - Health & Life	890,000	920,000	930,000	4%	1%
926110/120	Employee Pension Liability	1,600,000	1,603,000	1,700,000	6%	6%
926310/320	Misc. Employee Benefits	85,000	85,000	90,000	6%	6%
926410/410	Other Post-Employment Benefits	200,000	100,000	200,000	0%	100%
930110/120	Advertising Expense - General	10,000	2,000	10,000	0%	400%
930210/220	Bond Administrative Costs	10,000	7,000	10,000	0%	43%
930410/420	Education, Training, and Conferences	60,000	55,000	69,000	15%	25%
930610/620	Membership Expense	56,000	60,000	65,000	16%	8%
930810/820	Misc. General & Admin Expenses	38,000	32,000	40,000	5%	25%
931100/200	Reimbursement for Municipal Svcs.	119,000	117,000	125,000	5%	7%
Total General & Administrative		\$7,050,000	\$6,378,000	\$7,658,000	8.6%	20.1%

NOTE: "Grey" shaded accounts listed above, contain funds for energy conservation measures for our customers.

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	902100/200
ACCOUNT TITLE:	METER READING EXPENSE		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 135,052</u>	<u>\$ 160,000</u>	<u>\$ 142,000</u>	<u>\$ 160,000</u>

ACCOUNT
DESCRIPTION:

Costs incurred relating to reading meters
for the department

EXPLANATION OF 2022
BUDGET PROJECTION

1 Two (2) Meter Readers	\$ 138,500
2 Safety Shoes	1,000
3 Fill-ins for Meter Readers	20,500
	<u>-</u>
Total	<u>\$ 160,000</u>

Meter Installations in acct. 586100

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	903100/200
ACCOUNT TITLE:	Customer Records & Collections Expense - Customer Service		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 646,131</u>	<u>\$ 703,000</u>	<u>\$ 635,000</u>	<u>\$ 766,000</u>

ACCOUNT
DESCRIPTION:

Costs incurred in connection with work on customer applications, contracts, orders, credit investigations, billing, collections on account, and complaints.

Includes contract increase, plus longevity, & enhanced productivity incentive.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Manager of Operations (60% Adm /40% CSR)	\$ 46,000
2 CSR Supervisor	-
3 CSR Team Leader	76,500
4 Senior Clerks. (3)	211,500
5 Clerk clerical CSRs. (1)	50,000
7 Part time summer clerks	25,000
8 Part time CSR and Acctng help	-
9 After hours turn-ons for shut-offs	12,000
10 Two (2) accounting clerks labor	143,000
11 Telephone - Business Division	40,000
12 Postage - For billings	100,000
13 Bill Printing Service/Lease	62,000
Total	<u>\$ 766,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	903110/120
ACCOUNT TITLE:	Bank Fee Expense		

ACCOUNT HISTORY

<u>2020</u>	<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>ACTUAL</u>	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 234,945</u>	<u>\$ 256,000</u>	<u>\$ 294,000</u>	<u>\$ 300,000</u>

ACCOUNT
DESCRIPTION:

Bank charges incurred as a result of
processing customer check/charge transactions.

EXPLANATION OF 2022
BUDGET PROJECTION

1 RBS transaction fees	\$ 8,000
2 **Paya/Sage/Invoice Cloud fees (Online/EFT/Credit Card payments)	276,000
3 **ACH Lockbox fees	15,000
4 ACI Payments (ACH-lockbox fees)	1,000
	<hr/>
Total	<u><u>\$ 300,000</u></u>

**Includes web-payment fees introduced Aug. 2014

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	903310/320
ACCOUNT TITLE:	Customer Records & Collections Expense - Computer Costs		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 144,559</u>	<u>\$ 223,000</u>	<u>\$ 168,000</u>	<u>\$ 295,000</u>

ACCOUNT DESCRIPTION: Cost incurred relating to the computer system used by the department

EXPLANATION OF 2022 BUDGET PROJECTION		
1 Software License (Harris)	\$	70,000
2 IT support services(Miracle)		70,000
3 AMI Cloud Services & Support (Itron)		75,000
4 Hardware Maintenance Costs		10,000
5 Great Plains Support Renewal		15,000
6 AMI/Handheld meter maintenance fees		5,000
7 mPower & GIS Maint.		20,000
8 Email Maintenance - Cloud Based		20,000
9 AutoCad Subscription Renewal		4,500
10 Miscellaneous PC hardware/software		<u>5,500</u>
Total	\$	<u><u>295,000</u></u>

Note: Higher incidence of IT support needed for newly & updated pass access and camera security, AMI Cloud Services, more field laptops maint, new Email Maintenance - Cloud base

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	903410/420
ACCOUNT TITLE:	Collection Agency Fees		

ACCOUNT HISTORY

2020 <u>ACTUAL</u>	2021 <u>BUDGET</u>	2021 <u>FORECAST</u>	2022 <u>BUDGET</u>
\$ 125	\$ 18,000	\$ 5,000	\$ 18,000

ACCOUNT
DESCRIPTION:

Cost incurred relating to the Collection of
Customer accounts turned over to Agencies.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Collection Agency payments	\$ 15,000
2 Plymouth County Registry of Deeds	2,000
3 Wareham District Court - Small Claims	1,000
	<hr/>
Total	<u><u>\$ 18,000</u></u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	904100/200
ACCOUNT TITLE:	Provision for Uncollectable Accounts Expense		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 109,290</u>	<u>\$ 320,000</u>	<u>\$ 181,000</u>	<u>\$ 320,000</u>

ACCOUNT
DESCRIPTION:

Costs incurred in "writing off"
customer accounts deemed uncollectable
by the utility.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Represents apprx .64% of \$50mm.of revenues	\$ 320,000
Total	<u>\$ 320,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	909100/200
ACCOUNT TITLE:	Energy Audit Program - Residential		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 210,797</u>	<u>\$ 300,000</u>	<u>\$ 310,000</u>	<u>\$ 400,000</u>

ACCOUNT
DESCRIPTION:

Costs related to Residential Energy Conservation Services Programs as required by Mass Division of Energy Resources and in support of our strategic planning goals for deregulation and restructuring of the industry.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Residential Conservation Services expenses inclusive of: Home Energy Audits Home Weatherization Rebates Appliance Rebates	\$ 245,000
2 Residential Solar Rebate	75,000
3 RCS Informational expenses	4,000
4 Weatherization Assistance Program	66,000
5 Electric Vehicle Charging Program	<u>10,000</u>
Total	<u>\$ 400,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	909110/120
ACCOUNT TITLE:	Energy Services Program - Commercial/Municipal		

ACCOUNT HISTORY

2020 <u>ACTUAL</u>	2021 <u>BUDGET</u>	2021 <u>FORECAST</u>	2022 <u>BUDGET</u>
<u>\$ 23,633</u>	<u>\$ 107,000</u>	<u>\$ 58,000</u>	<u>\$ 115,000</u>

ACCOUNT
DESCRIPTION:

Costs related to Commercial and Municipal Energy Conservation and Data services in support of commercial customer and community energy conservation.

EXPLANATION OF 2022
BUDGET PROJECTION

1 *Municipal Energy audits & services working for targeted improvements. Also for commercial & small business energy evaluations to ID potential measures to be supported; Including PACE	\$ 105,000
2 EV Charger grants for commercial stakeholders	<u>10,000</u>
Total	<u>\$ 115,000</u>

*NOTE: Potential depending on tech/opportunity

**NOTE: Dependent on economic opportunity

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	909210/220
ACCOUNT TITLE:	Economic Development		

ACCOUNT HISTORY

<u>2020</u>	<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>ACTUAL</u>	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 165</u>	<u>\$ 25,000</u>	<u>\$ 17,000</u>	<u>\$ 40,000</u>

ACCOUNT
DESCRIPTION:

Costs associated with the Department's efforts to support the service area's economic development activities.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Advertisement (Chamber Directory)	\$ 700
2 Kramer Park Support	300
3 Joint efforts for community Promotion,	10,000
4 Downtown Upgrades, Lamps, LED	29,000
5 OECD, Chamber, Etc.	
	<hr/>
Total	<u>\$ 40,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	913100/200
ACCOUNT TITLE:	Marketing Expense		

ACCOUNT HISTORY

<u>2020</u>	<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>ACTUAL</u>	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 22,708</u>	<u>\$ 65,000</u>	<u>\$ 31,500</u>	<u>\$ 65,000</u>

ACCOUNT
DESCRIPTION:

Costs related to marketing programs developed by the Department as they relate to energy and other services in support of our goals for appropriate energy use and stable low rates for satisfied customers

EXPLANATION OF 2022
BUDGET PROJECTION

1 Department promotional activities, information and promotional materials	\$ 17,000
2 Advertisements-newspapers, media	22,000
3 Training	1,000
4 Professional marketing services	<u>25,000</u>
Total	<u>\$ 65,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	913110/120
ACCOUNT TITLE:	Communication Expense		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 52,713</u>	<u>\$ 85,000</u>	<u>\$ 68,500</u>	<u>\$ 75,000</u>

ACCOUNT
DESCRIPTION:

Costs related to Communication Programs for the General Public and customer population in support of customer service, safety and public involvement and awareness of MG&E issues.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Department informational and printed materials	\$ 42,000
2 Advertisements-gazettes, newspapers, media	5,000
3 Professional services	28,000
	<hr/>
Total	<u>\$ 75,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	920100/200
ACCOUNT TITLE:	Administrative & General Salaries		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 514,407</u>	<u>\$ 681,000</u>	<u>\$ 630,000</u>	<u>\$ 767,000</u>

ACCOUNT DESCRIPTION: Costs incurred in compensating office administrative and management personnel. Includes longevity bonus and productivity enhancement incentive and salary increase.

EXPLANATION OF 2022 BUDGET PROJECTION

1 General Manager (30% Adm/ 25% Gas/ 25% Elect/ 20% Trans)	\$ 65,500
2 Asst. General Manager (30% Adm/ 10% Gas/ 40% Elect/ 20% Trans)	53,000
3 Accounting Manager (80% Adm /20% Trns)	95,500
4 Manager of Operations (60% Adm /40% CSR)	72,000
5 Marketing/Communications Manager (100% Administrative)	137,500
6 Accounting Supervisor (80% Adm /20% Trns)	66,000
7 Human Resources Supervisor (100% Administrative)	82,000
8 IT/Security Analyst (100% Administrative)	58,000
9 Public Communication Assistant (100% Administrative)	45,500
10 Executive/HR Assistant (50% 920100 / 50% 930810)	32,000
11 Senior Clerk/Secretary (100% Administrative)	60,000
Total	<u>\$ 767,000</u>

Note: Administrative share is allocated @80% Elec. & 20% Gas

*2022 Budget - Moved Senior Clerk/Secretary from 903100

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	921100/200
ACCOUNT TITLE:	Business Supplies & Expenses		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 142,292</u>	<u>\$ 230,000</u>	<u>\$ 146,000</u>	<u>\$ 225,000</u>

ACCOUNT
DESCRIPTION:

Costs incurred in connection with the purchase of supplies necessary to facilitate the day to day operation of the Dept. It also includes Administrative facility maintenance & security.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Preparation of business forms	\$ 12,000
2 Administrative facility maintenance*	85,000
3 Landscaping Contractors (Administration Bldg.)	8,000
4 Administrative facility security (ADT/Bevo)	20,000
5 Cybersecurity Audit	-
6 Records Digitization	25,000
7 Maintenance of business equipment	17,000
8 Business supplies	35,000
9 Business communication (cell phones & long distance calls)	<u>23,000</u>
Total	<u>\$ 225,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	923100/200
ACCOUNT TITLE:	Outside Services Employed		

ACCOUNT HISTORY

2020 <u>ACTUAL</u>	2021 <u>BUDGET</u>	2021 <u>FORECAST</u>	2022 <u>BUDGET</u>
\$ 85,697	\$ 123,000	\$ 95,000	\$ 129,000

ACCOUNT
DESCRIPTION:

Costs incurred for outside professional services and expertise to support legal, human resource and financial activities of the Dept.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Legal - Town Counsel	\$ 6,000
2 Legal - General counsel/labor/employment	35,000
3 Audit/actuary	60,000
4 Drug Testing Consulting	13,000
5 Misc. Consulting Services	15,000
	<hr/>
Total	<u>\$ 129,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	924100/200
ACCOUNT TITLE:	Insurance Expense - Property & Liability		

ACCOUNT HISTORY

<u>2020</u>	<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>ACTUAL</u>	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 353,002</u>	<u>\$ 412,000</u>	<u>\$ 376,000</u>	<u>\$ 470,000</u>

ACCOUNT DESCRIPTION:

Insurance costs to help protect the Dept. against losses and damages to property, managers and commissioners.

EXPLANATION OF 2022 BUDGET PROJECTION

Projected Insurance Premiums:

1 Property Boiler & Machinery	\$ 56,000
2 Public Officials Liability & Employment Practices	42,000
3 General Liability	65,000
4 Commercial Auto	65,000
5 Excess/Umbrella Liability	192,000
6 Crime	5,000
7 Cyber Security Insurance	40,000
8 Fiduciary Liability for OPEB	5,000
Total	<u>\$ 470,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	925100/200
ACCOUNT TITLE:	Insurance Expense - Workers Compensation		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 51,269</u>	<u>\$ 100,000</u>	<u>\$ 68,000</u>	<u>\$ 100,000</u>

ACCOUNT
DESCRIPTION:

Costs incurred to insure the utility
against injuries and damage claims of
employees or others.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Worker's Compensation	<u>\$ 100,000</u>
Total	<u>\$ 100,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	925310/320
ACCOUNT TITLE:	Sick Pay Accrual		

ACCOUNT HISTORY

<u>2020</u>	<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>ACTUAL</u>	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 83,485</u>	<u>\$ 96,000</u>	<u>\$ 95,000</u>	<u>\$ 96,000</u>

ACCOUNT DESCRIPTION: Sick Pay Accrual

EXPLANATION OF 2022 BUDGET PROJECTION

1 Amount accrued to sick pay for year	<u>\$ 96,000</u>
Total	<u><u>\$ 96,000</u></u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	925510/EA-GA
ACCOUNT TITLE:	Vacation Pay Accrual		

ACCOUNT HISTORY

<u>2020</u>	<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>ACTUAL</u>	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 64,721</u>	<u>\$ 78,000</u>	<u>\$ 77,000</u>	<u>\$ 78,000</u>

ACCOUNT DESCRIPTION: Vacation Pay Accrual

EXPLANATION OF 2022 BUDGET PROJECTION

1 Amount accrued to vacation pay for year	<u>\$ 78,000</u>
Total	<u><u>\$ 78,000</u></u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	926100/200
ACCOUNT TITLE:	Insurance Expense - Health & Life Insurance		

ACCOUNT HISTORY

	2020 <u>ACTUAL</u>	2021 <u>BUDGET</u>	2021 <u>FORECAST</u>	2022 <u>BUDGET</u>
***	\$ 557,330	\$ 890,000	\$ 920,000	\$ 930,000

ACCOUNT
DESCRIPTION:

Costs incurred by the Dept. in providing payments for employee medical benefits.

EXPLANATION OF 2022
BUDGET PROJECTION

Health & Life Insurance premiums charged by the Town.

NOTE: includes \$ 293,000 assessment for Department's retirees & surviving spouses.

1 Regular Health Insurance from Town	<u>\$ 930,000</u>
Total	<u>\$ 930,000</u>

*** **Note:** 2020 Actual had a credit of \$313,982 related to GASB 45, actual cash disbursement was \$871,312.

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	926110/120
ACCOUNT TITLE:	Employee Pension Liability		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 1,457,202</u>	<u>\$ 1,600,000</u>	<u>\$ 1,603,000</u>	<u>\$ 1,700,000</u>

ACCOUNT
DESCRIPTION:

The amount necessary to fund Department's share of the employee pension liability.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Pension liability assessment charged by the Town and submitted to Plymouth County Retirement Assoc.(PCRA).	\$ 1,700,000
Total	<u>\$ 1,700,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	926310/320
ACCOUNT TITLE:	Misc. Employees Benefits		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 81,784</u>	<u>\$ 85,000</u>	<u>\$ 85,000</u>	<u>\$ 90,000</u>

ACCOUNT
DESCRIPTION:

Costs incurred by the utility in the
administration of the Department's
employee benefit program

EXPLANATION OF 2022
BUDGET PROJECTION

1 Payroll taxes for FICA & Medicare match	<u>\$ 90,000</u>
Total	<u><u>\$ 90,000</u></u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	926410/EA-GA
ACCOUNT TITLE:	Other Post Employment Benefits - GASB 45		

ACCOUNT HISTORY

	2020 <u>ACTUAL</u>	2021 <u>BUDGET</u>	2021 <u>FORECAST</u>	2022 <u>BUDGET</u>
***	\$ (246,751)	\$ 200,000	\$ 100,000	\$ 200,000

ACCOUNT
DESCRIPTION:

The amount necessary to fund Department's share of current and future retirees for the cost of their medical insurance.

EXPLANATION OF 2022
BUDGET PROJECTION

Actuary determined liability for Post Employment Benefits for medical insurance. GASB 45	\$ 200,000
Total	<u>\$ 200,000</u>

*** **Note:** 2020 Actual had a credit of \$246,751 related to GASB 45, actual cash disbursement was \$0.

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	930110/120
ACCOUNT TITLE:	Advertising Expense-General		

ACCOUNT HISTORY

<u>2020</u>	<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>ACTUAL</u>	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 4,667</u>	<u>\$ 10,000</u>	<u>\$ 2,000</u>	<u>\$ 10,000</u>

ACCOUNT
DESCRIPTION:

Costs incurred by the Dept.
including labor and materials used in
advertising that is not sales related

EXPLANATION OF 2022
BUDGET PROJECTION

1 Advertising for bids - Electric	\$ 3,500
2 Advertising for bids - Gas	3,500
3 Advertising for bids - Admin	<u>3,000</u>
Total	<u>\$ 10,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	930210
ACCOUNT TITLE:	Bond Administration Costs		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 5,000</u>	<u>\$ 10,000</u>	<u>\$ 7,000</u>	<u>\$ 10,000</u>

ACCOUNT
DESCRIPTION:

Maintain **AA-** investment grade
credit rating with S&P Global

EXPLANATION OF 2022
BUDGET PROJECTION

1 Energy supply contracts request a credit rating S&P Global's credit rating of MGED.	\$ 10,000
Total	<u>\$ 10,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	930410/420
ACCOUNT TITLE:	Education, Training, and Conferences		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 54,417</u>	<u>\$ 60,000</u>	<u>\$ 55,000</u>	<u>\$ 69,000</u>

ACCOUNT
DESCRIPTION:

Costs incurred by the Dept. in connection with the training and education of management and staff personnel.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Commissioner conferences	\$ 1,000
2 APPA Conferences:	
Mktg./Communications Workshop	3,000
3 Accounting Workshops	3,000
4 DataSys Corp. - GP-Acctg.	2,000
5 APPA Annual Conference	3,000
6 APGA Conferences	3,000
7 NEPPA Annual Conference	3,000
8 Tuition reimbursement program	30,000
9 Employee (CSR's) seminars and training	14,000
10 MEAM conferences	2,000
11 mPower User Conference	5,000
	<hr/>
Total	<u>\$ 69,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	930610/620
ACCOUNT TITLE:	Membership Expense		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 53,528</u>	<u>\$ 56,000</u>	<u>\$ 60,000</u>	<u>\$ 65,000</u>

ACCOUNT
DESCRIPTION:

Costs incurred with utility participation
in various association memberships.

EXPLANATION OF 2022
BUDGET PROJECTION

1 Chamber of Commerce	\$ 3,000
2 APPA membership dues	23,000
3 NGA membership dues	7,000
4 APGA membership dues	5,500
5 NEPPA membership dues	18,000
6 TVPPA membership dues	1,500
7 MEAM membership + Miscellaneous dues	<u>7,000</u>
Total	<u>\$ 65,000</u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	930810/820
ACCOUNT TITLE:	Miscellaneous General and Administrative Expenses		

ACCOUNT HISTORY

<u>2020</u> <u>ACTUAL</u>	<u>2021</u> <u>BUDGET</u>	<u>2021</u> <u>FORECAST</u>	<u>2022</u> <u>BUDGET</u>
<u>\$ 24,882</u>	<u>\$ 38,000</u>	<u>\$ 32,000</u>	<u>\$ 40,000</u>

ACCOUNT
DESCRIPTION:

Miscellaneous administrative costs incurred by the utility in connection with it's operation.

EXPLANATION OF 2022
BUDGET PROJECTION

Miscellaneous administrative expenses:

1 Clerk to the Board Salary (50% 920100 / 50% 930810)	\$ 32,000
2 Federal Express Charges	1,000
3 Water Cooler Rental	1,000
4 Subscriptions	2,000
5 Miscellaneous	<u>4,000</u>
Total	<u><u>\$ 40,000</u></u>

MIDDLEBORO GAS AND ELECTRIC DEPARTMENT

GENERAL AND ADMINISTRATIVE EXPENSES

F.Y.E. 12/31/2022

DIVISION:	Business	G/L ACCOUNT NO:	931100/200
ACCOUNT TITLE: Reimbursement for Municipal Services			

ACCOUNT HISTORY

<u>2020</u>	<u>2021</u>	<u>2021</u>	<u>2022</u>
<u>ACTUAL</u>	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 111,158</u>	<u>\$ 119,000</u>	<u>\$ 117,000</u>	<u>\$ 125,000</u>

ACCOUNT

DESCRIPTION:

Indirect Costs billed to the Dept. by the Town for the pass through of the cost of services provided to the Dept.
ex. Payroll, banking, vendor payments, weekly wire transfers to various vendors.

EXPLANATION OF 2022 BUDGET PROJECTION

1 Estimate of reimbursement expenses for municipal services provided by the Town	\$ 113,000
2 Our share of the Town's Audit fees	<u>12,000</u>
Total	<u>\$ 125,000</u>

MIDDLEBOROUGH GAS and ELECTRIC

CAPITAL ADDITIONS BUDGET SUMMARY F.Y.E. 12/31/2022

ACCOUNT #		Budget 2021	Forecast 2021	Budget 2022	B-2022 VS. B-2021
ELECTRIC DIVISION					
Transmission and Other Production Plant - Generator					
341100	Structures & Improvements-Solar Resources	\$ 10,000	\$ 340,000	\$ -	-
344100	Generators (Peak-Shaving Generator)	345,000	79,000	275,000	-20.3%
350100	* Land & Land Rights - Transmission	-	-	263,000	-
352100	Structures & Improvements-Transmission	-	50,000	100,000	-
353100	Station Equipment	125,000	86,000	85,000	-32.0%
	Total Other Production Plant - Generator	480,000	555,000	723,000	
Distribution Plant					
361100	* Structures and Improvements-Distribution	-	-	100,000	-
364100	Poles, Towers and Fixtures	220,000	351,000	236,000	7.3%
365100	Overhead Conductors & Devices	981,000	797,000	986,000	0.5%
366100	Underground Conduit	17,000	1,000	18,000	5.9%
367100	Underground Conductors & Devices	237,000	240,000	250,000	5.5%
368100	Line Transformers	213,000	307,000	232,000	8.9%
369100	Electric Services	105,000	68,000	109,000	3.8%
370100	Electric Meters	1,625,000	2,806,000	25,000	-98.5%
373100	Street Lighting & Signal Systems	19,000	34,000	21,000	10.5%
	Total Distribution Plant	3,417,000	4,604,000	1,977,000	-42.1%
General Plant					
360100	Land and Land Rights	350,000	-	88,000	-74.9%
390100	Structures & Improvements	300,000	62,000	100,000	-66.7%
391100	Office Furniture & Equipment	100,000	70,000	55,000	-45.0%
392100	Transportation Equipment	300,000	315,000	910,000	203.3%
394100	Tools, Shop & Garage Equipment	34,000	5,000	54,000	58.8%
395100	Laboratory Equipment	2,000	-	3,000	50.0%
396100	Power Operated Equipment	10,000	2,000	30,000	200.0%
397100	Communications Equipment	190,000	35,000	70,000	-63.2%
	Total General Plant	1,286,000	489,000	1,310,000	1.9%
Total Electric Division		\$ 5,183,000	\$ 5,648,000	\$ 4,010,000	-22.6%
GAS DIVISION					
Distribution Plant					
376200	Gas Mains - Distribution	\$ 117,000	\$ 201,000	\$ 135,000	15.4%
380200	Service Lines	246,000	158,000	214,000	-13.0%
381200	Gas Meters	1,138,000	802,000	238,000	-79.1%
	Total Distribution Plant	1,501,000	1,161,000	587,000	-60.9%
General Plant					
304200	Land and Land Rights	-	-	-	-
390200	Structures & Improvements	91,000	22,000	357,000	292.3%
391200	Office Furniture & Equipment	86,000	56,000	149,000	73.3%
392200	Transportation Equipment	37,000	28,000	109,000	194.6%
394200	Tools, Shop & Garage Equipment	19,000	5,000	16,000	-15.8%
395200	Laboratory Equipment	22,000	17,000	18,000	-18.2%
396200	Power Operated Equipment	5,000	1,000	5,000	0.0%
397200	Communications Equipment	-	-	-	-
398200	Miscellaneous Equipment	-	-	87,000	-
	Total General Plant	260,000	129,000	741,000	185.0%
Total Gas Division		\$ 1,761,000	\$ 1,290,000	\$ 1,328,000	-24.6%
BUSINESS DIVISION					
General Plant					
390100	Structures & Improvements	\$ 80,000	30,000	\$ 30,000	-62.5%
391100	Office Furniture & Equipment	250,000	100,000	325,000	30.0%
392100	Transportation Equipment	-	-	-	-
Total Business Division		\$ 330,000	\$ 130,000	\$ 355,000	7.6%
TOTAL CAPITAL ADDITIONS		\$ 7,274,000	\$ 7,068,000	\$ 5,693,000	-21.7%

* New Accounts to the 2022 Budget

MIDDLEBORO GAS AND ELECTRIC
 CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
 PREPARED BY: W.E.T. / Z.R.H.
 ACCT. TITLE: Solar Resources
 ACCOUNT #: **341100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Solar Resources	N	
TOTAL EXPENDITURES		<u>\$ -</u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
 PREPARED BY: W.E.T. / Z.R.H.
 ACCT. TITLE: Generators

 ACCOUNT #: **344100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Peak-Shaving Generation - steps & decking around door		\$ 15,000
Fiber Optic cable for SCADA control of generator communications/security		<u>260,000</u>
TOTAL EXPENDITURES		<u><u>\$ 275,000</u></u>

MIDDLEBORO GAS AND ELECTRIC
 CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
 PREPARED BY: W.E.T. / Z.R.H.
 ACCT. TITLE: Land & Land Rights - Transmission

ACCOUNT #: **350100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
New Sub-Station - easement rights and environmental 75% in 350100 and 25% in 360100		\$ 263,000
 TOTAL EXPENDITURES		<u>\$ 263,000</u>

MIDDLEBORO GAS AND ELECTRIC
 CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
 PREPARED BY: W.E.T. / Z.R.H.
 ACCT. TITLE: Structures and Improvements- Transmission

ACCOUNT #: **352100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Wareham Street building design/planning 33% in 352100, 33% in 361100, and 33% in 390100		\$ 100,000
TOTAL EXPENDITURES		<u>\$ 100,000</u>

MIDDLEBORO GAS AND ELECTRIC
 CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
 PREPARED BY: W.E.T. / Z.R.H.
 ACCT. TITLE: Station Equipment - Transmission

ACCOUNT #: **353100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Station Equipment - NERC Testing		\$ 45,000
Hot Line switches substation breakers		<u>40,000</u>
TOTAL EXPENDITURES		<u><u>\$ 85,000</u></u>

MIDDLEBORO GAS AND ELECTRIC
 CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
 PREPARED BY: W.E.T. / Z.R.H.
 ACCT. TITLE: Land and Land Rights - Distribution
 ACCOUNT #: **360100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
New Sub-Station - easement rights and environmental 25% in 360100 and 75% in 350100		\$ 88,000
TOTAL EXPENDITURES		<u>\$ 88,000</u>

MIDDLEBORO GAS AND ELECTRIC
 CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
 PREPARED BY: W.E.T. / Z.R.H.
 ACCT. TITLE: Structures and Improvements

ACCOUNT #: **361100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Wareham Street building design/planning 33% in 361100, 33% in 352100, and 33% in 390100		\$ 100,000
TOTAL EXPENDITURES		<u>\$ 100,000</u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION:	ELECTRIC
PREPARED BY:	W.E.T. / Z.R.H.
ACCT. TITLE:	Poles, Towers & Fixtures
ACCOUNT #:	364100

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Pole supply for replacement and system expansion	N/R	\$ 100,500
Crossarms used for supporting conductors	N/R	3,500
Hardware of various types for attaching equipment to poles	N/R	34,500
Payroll Labor Costs	R	97,500
 TOTAL EXPENDITURES		 \$ 236,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION:	ELECTRIC
PREPARED BY:	W.E.T. / Z.R.H.
ACCT. TITLE:	Overhead Conductors and Devices
ACCOUNT #:	365100

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Primary conductor for upgrades, lateral lines & extensions	N/R	\$ 700,000
5000 ft. secondary cable for secondary mains	N/R	14,000
Overhead switches	N/R	24,000
Reclosers		60,000
Hardware	N/R	26,000
Scada Communication System Upgrade 50% in 365100 and 50% in 397100	N/R	25,000
Payroll Labor Costs	R	137,000
 TOTAL EXPENDITURES		 \$ 986,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION:	ELECTRIC
PREPARED BY:	W.E.T. / Z.R.H.
ACCT. TITLE:	Underground Conduit and Devices
ACCOUNT #:	366100

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Condulators used on cable risers	N	\$ 2,000
Payroll Labor Costs		16,000
 TOTAL EXPENDITURES		\$ 18,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION:	ELECTRIC
PREPARED BY:	W.E.T. / Z.R.H.
ACCT. TITLE:	Underground Conductors and Devices
ACCOUNT #:	367100

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Cable and connectors for residential and commercial projects	N	\$ 110,000
Payroll Labor Costs		140,000
TOTAL EXPENDITURES		\$ 250,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
PREPARED BY: W.E.T. / Z.R.H.
ACCT. TITLE: Line Transformers

ACCOUNT #: **368100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
New aerial and padmount transformers for replacement and expansion	N/R	\$ 198,000
Capacitors and controls needed for power factor correction	N/R	8,000
Payroll Labor Costs		<u>26,000</u>
TOTAL EXPENDITURES		<u><u>\$ 232,000</u></u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
PREPARED BY: W.E.T. / Z.R.H.
ACCT. TITLE: Electric Services

ACCOUNT #: **369100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Aluminum service cable in #2 strand, #1/0 and #4/0 sizes for new and replacement installations.	N/R	\$ 23,000
Payroll Labor Costs		<u>86,000</u>
TOTAL EXPENDITURES		<u><u>\$ 109,000</u></u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
PREPARED BY: W.E.T. / Z.R.H.
ACCT. TITLE: Electric Meters

ACCOUNT #: **370100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
New single and poly phase kilowatt-hour meters. Required for new installations and replacements	N/R	\$ 20,000
Metering transformers: used in metering large services - CT's	N	5,000
TOTAL EXPENDITURES		\$ 25,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION:	ELECTRIC
PREPARED BY:	W.E.T. / Z.R.H.
ACCT. TITLE:	Street Lighting and Signal System
ACCOUNT #:	373100

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Light fixtures for rental and street lighting. These are LED fixtures in 48 watt 94 watt	N/R	\$ 12,500
Payroll Labor Costs		8,500

TOTAL EXPENDITURES		\$ 21,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
 PREPARED BY: W.E.T. / Z.R.H.
 ACCT. TITLE: Structures and Improvements

 ACCOUNT #: **390100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Wareham Street building design/planning 33% in 390100, 33% in 361100, and 33% in 352100	R	\$ 100,000
TOTAL EXPENDITURES		\$ 100,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION:	ELECTRIC
PREPARED BY:	W.E.T. / Z.R.H.
ACCT. TITLE:	Office Furniture and Equipment
ACCOUNT #:	391100

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Miscellaneous office equipment - Toughbook-PCs	N/R	\$ 25,000
Computer software	N/R	5,000
Mapping system / Workorder automation	N/R	25,000
TOTAL EXPENDITURES		\$ 55,000

MIDDLEBORO GAS AND ELECTRIC
 CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
 PREPARED BY: W.E.T. / Z.R.H.
 ACCT. TITLE: Transportation Equipment

ACCOUNT #: **392100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Replacement for truck #4 bucket truck (Carryover from 2021)	R	\$ 260,000
Replace truck #5 bucket truck	R	270,000
Bucket truck with chip bin (MGED tree crew)	N	280,000
1- SUV	N	50,000
1-4-wheel drive pickup truck	N	50,000
TOTAL EXPENDITURES		<u>\$ 910,000</u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION:	ELECTRIC
PREPARED BY:	W.E.T. / Z.R.H.
ACCT. TITLE:	Tools, Shop and Garage Equipment
ACCOUNT #:	394100

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Miscellaneous tools and equipment, such as compression tools and fittings, hydraulic tools, etc.	N/R	\$ 54,000
 		<hr style="width: 100%;"/>
TOTAL EXPENDITURES		<u><u>\$ 54,000</u></u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
PREPARED BY: W.E.T. / Z.R.H.
ACCT. TITLE: Laboratory Equipment

ACCOUNT #: **395100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Test meters, instruments and equipment	N/R	\$ 3,000
TOTAL EXPENDITURES		<div style="border-top: 1px solid black; border-bottom: 3px double black; display: inline-block; width: 100px;"></div> \$ 3,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
 PREPARED BY: W.E.T. / Z.R.H.
 ACCT. TITLE: Power Operated Equipment

 ACCOUNT #: **396100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Chipper for MGED tree crew		\$ 30,000
		\$ 30,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: ELECTRIC
 PREPARED BY: W.E.T. / Z.R.H.
 ACCT. TITLE: Communication Equipment

 ACCOUNT #: 397100

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Truck radio upgrades		\$ 3,000
Scada system upgrade 50% in 397100 and 50% in 365100		25,000
Phone System Upgrade (1/3)		17,000
Remote Readings		<u>25,000</u>
TOTAL EXPENDITURES		<u><u>\$ 70,000</u></u>

MIDDLEBORO GAS AND ELECTRIC
 CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION:
 PREPARED BY:
 ACCT. TITLE:

BUSINESS
 K.N.
 Structures and Improvements

ACCOUNT #:

390100

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Facility Handicap Ramp	R	\$ 10,000
Philander Washburn House - Unexpected Facility Repairs - (Historical House)	N/R	20,000
TOTAL EXPENDITURES		<u>\$ 30,000</u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: **BUSINESS**
 PREPARED BY: K.N.
 ACCT. TITLE: Office Furniture and Equipment
 ACCOUNT #: **391100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Replace computer workstations Email & Core main Servers	N/R	\$ 55,000
Upgrade software and peripheral hardware Licensing, MFA and security software	N/R	40,000
Harris/NorthStar Billing System Upgrade Additional mCare upgrade	N/R	30,000
Meter Data Management(MDM) Program	N	150,000
Phone System Upgrade	N	50,000
Total capital expenditures		<u><u>\$ 325,000</u></u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: **BUSINESS**
PREPARED BY: K.N.
ACCT. TITLE: Transportation Equipment
ACCOUNT #: **392100**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
TOTAL EXPENDITURES		<hr/> <hr/> \$ -

MIDDLEBOROUGH GAS and ELECTRIC

CAPITAL ADDITIONS BUDGET SUMMARY

F.Y.E. 12/31/2022

GAS DIVISION		Budget 2021	Forecast 2021	Budget 2022	B-2022 VS. B-2021
<u>Distribution Plant</u>					
376200	Gas Mains - Distribution	117,000	201,000	\$ 135,000	15.4%
380200	Service Lines	246,000	158,000	214,000	-13.0%
381200	Gas Meters	1,138,000	802,000	238,000	-79.1%
Total Distribution Plant		1,501,000	1,161,000	587,000	-60.9%
<u>General Plant</u>					
304200	Land and Land Rights	-	-	-	
390200	Structures & Improvements	91,000	22,000	357,000	292.3%
391200	Office Furniture & Equipment	86,000	56,000	149,000	73.3%
392200	Transportation Equipment	37,000	28,000	109,000	194.6%
394200	Tools, Shop & Garage Equipment	19,000	5,000	16,000	-15.8%
395200	Laboratory Equipment	22,000	17,000	18,000	-18.2%
396200	Power Operated Equipment	5,000	1,000	5,000	0.0%
397200	Communications Equipment	-	-	-	
398200	Miscellaneous Equipment	-	-	87,000	
Total General Plant		260,000	129,000	741,000	185.0%
Total Gas Division		\$ 1,761,000	\$ 1,290,000	\$ 1,328,000	-24.6%

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: GAS
PREPARED BY: RCL
ACCT. TITLE: GAS MAINS-DISTRIBUTION

ACCOUNT #: 376200

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
<u>Material & Supplies for Low-Pressure Cast-Iron and Bare Steel Main Replacement:</u>		
North Main St. - Replace 1050 ft of 6" LP cast iron Pipe with 4" IP high density pipe, Sections from Reland St to North St	R	11,000
East Main St. - Replace 600 ft of 4" LP cast iron pipe with 2" IP high density pipe from North St to 15 East Main St	R	4,500
Pearl St - Replace 1350 ft of 4" LP Cast Iron pipe with 2" IP high density pipe from North St to Pierce St	R	8,500
School St - Replace 1020 ft of 4" LP cast iron pipe with 2" IP high density pipe from North St to Reland St	R	7,000
High St. - Replace 620 ft of 4" LP cast iron pipe with 2" IP high density pipe from Oak St to Union St	R	5,000
<u>Materials & Supplies for New Main Extensions</u>		
2" miscellaneous main extensions	N	9,000
Payroll Labor Cost for gas main replacements & extensions		74,000
Police Details		16,000
TOTAL EXPENDITURES		\$ 135,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: GAS
PREPARED BY: RCL
ACCT. TITLE: SERVICE LINES

ACCOUNT #: 380200

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Material for 88 service line replacements, due to main replacements on:		
North Main St 12 service lines	R	\$ 9,600
East Main St 6 service lines	R	4,800
School St 17 service lines	R	13,600
Pearl St 26 service lines	R	20,800
Coombs St 18 service lines	R	14,500
High St 9 service lines	R	7,200
Material for the installation of 1 new commercial & industrial service line	N	2,600
Material for the installation of 2 new gas service lines in Gateway Estates off Precinct Street	N	1,800
Material for the installation of 1 new gas service lines in Whitetail Estates off Chestnut Street	N	1,000
Material for the installation of 4 new gas service lines for John Perkins Way off Highland Street	N	3,600
Related Payroll Labor Costs		114,000
Police Details		20,500
TOTAL EXPENDITURES		<u>\$ 214,000</u>

MIDDLEBORO GAS AND ELECTRIC

CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: GAS
 PREPARED BY: RCL
 ACCT. TITLE: GAS METERS

ACCOUNT #: **381200**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Smarter Meter Conversion & Data collection System	N	\$ 100,000
Gas meters and regulators for new commercial and industrial service lines	N	15,000
Gas meters and regulators for 10 new residential service lines for sub-divisions approved prior to moratorium	N	2,500
Residential Gas Meter Replacements for 100 Meters and 30 larger residential meters for cust. adding generators	R	27,500
Related Payroll Labor Costs		93,000
TOTAL EXPENDITURES		<u>\$ 238,000</u>

MIDDLEBORO GAS AND ELECTRIC
 CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: GAS
 PREPARED BY: RCL
 ACCT. TITLE: Land and Land Rights
 ACCOUNT #: **304200**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
		\$ -
TOTAL EXPENDITURES		<u>\$ -</u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: GAS
PREPARED BY: RCL
ACCT. TITLE: STRUCTURES & IMPROVEMENTS

ACCOUNT #: **390200**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Replacement of the SCADA Cabinet at Thompson St. Regulator Station (carry over)	R	\$ 11,000
Replace/Update Infrared Fire Detection System in LNG Yard (carry over)	R	25,000
Replace/Update Gas Monitoring System in LNG Yard (50% done in 2018) (carry over)	R	11,000
Replace Shelving for Gas Inventory Fittings (OSHA Compliance)	R	30,000
Overpressure Protection Devices at 3 LP Reg. Stations	N	30,000
Develop site on Harding St for CNG pressure support for gas distribution system & materials staging area. Includes existing conditions plan, proposed site layout and design.	N	250,000
TOTAL EXPENDITURES		<u>\$ 357,000</u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION:	GAS
PREPARED BY:	RCL
ACCT. TITLE:	OFFICE FURNITURE & EQUIPMENT
ACCOUNT #:	391200

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Miscellaneous software and computer equipment need to document fittings and supplies used in the field for bar codes and Quick Reads. (Carry Over)	N	\$ 12,000
Miscellaneous computer equipment for the departments training facility - Computers, video projector and Toughbook pc's	N	6,000
Mpower Mapping reporting system, workorder automation, Meter Tracking & misc. software enhancements, Gas Pilot Projects	N	75,000
Replace Breakroom Chairs	R	3,000
Replace DDS SCADA Communication System (carry over 2021)	R	25,000
Spare LCD local interfaces for remote locations. These interfaces could be used if SCADA communications fail.	N	3,000
Back-up Supervisory Control and Data Acquisition (SCADA) Computer System, Netview and Object server, Bristol Babcock and Win911 software	N	25,000
 TOTAL EXPENDITURES		 \$ 149,000

MIDDLEBORO GAS AND ELECTRIC
 CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: GAS
 PREPARED BY: RCL
 ACCT. TITLE: TRANSPORTATION EQUIPMENT

ACCOUNT #: **392200**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Replace Trk. 42, 2007 Chevy Pick-up K2500 (Truck has over 150,000 MI- will keep for Call Truck)	R	\$ 40,000
Replace Trk. 16, 2004 Ford Dump F-350 HD and snow plow (Truck has over 45,000 MI)	R	\$ 69,000
TOTAL EXPENDITURES		\$ 109,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: GAS
PREPARED BY: RCL
ACCT. TITLE: TOOLS, SHOP & GARAGE EQUIPMENT

ACCOUNT #: **394200**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Miscellaneous new and replacement tools for the construction dept. such as a compactor, generator , etc.	N/R	\$ 8,000
Replace Hole-Hog Road Boring Tool (carry over 2020)	R	8,000
 TOTAL EXPENDITURES		\$ 16,000

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: GAS
PREPARED BY: RCL
ACCT. TITLE: LABORATORY EQUIPMENT

ACCOUNT #: **395200**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Equipment used for both construction and service departments (3 Combustible Gas Indicators, Product GMI 3-500 - \$1,850 ea.)	N/R	\$ 6,000
Equipment used for and service depart. & call-man used for walking and driving surveys (1 Sensitive Combustible Gas Indicator). Better technology than the exist. devices that are breaking down. New DETECTO PAK Model DP-IR+.	N	\$ 12,000
TOTAL EXPENDITURES		\$ 18,000

MIDDLEBORO GAS AND ELECTRIC
 CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: GAS
 PREPARED BY: RCL
 ACCT. TITLE: POWER OPERATED EQUIPMENT

ACCOUNT #: **396200**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Replace Hydraulic Water Pump (used to pump Regulator Station Vaults) (carry over)	R	\$ 5,000
TOTAL EXPENDITURES		<u>\$ 5,000</u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: GAS
PREPARED BY: RCL
ACCT. TITLE: COMMUNICATION EQUIPMENT

ACCOUNT #: **397200**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
TOTAL EXPENDITURES		<hr/> <u>\$ -</u>

MIDDLEBORO GAS AND ELECTRIC
CAPITAL BUDGET ADDITIONS WORKSHEET

F/Y/E 12/31/2022

DIVISION: GAS
PREPARED BY: RCL
ACCT. TITLE: Miscellaneous Equipment

ACCOUNT #: **398200**

ITEM AND REASON FOR EXPENDITURE	New - N Replace-R	BUDGET
Upgrade the NJEX odorizer at South Middleborough gate station. The existing controller was inst. in 1998 and upgraded in 2011. The manufacturer will not support the old system much longer.	R	\$ 75,000
Jordon Controller - South Middleborough Regulator Station. This existing controller was installed in 2003.	R	\$12,000
TOTAL EXPENDITURES		\$ 87,000