



OVER 125 YEARS OF SERVICE

BUDGET

2023

12/2/2022

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Middleborough Gas and Electric Department

Cash Flow and Projected Balances - Budget 2023

	A	B	C	D	E = A:D	
	Operating Cash	Pension Cash	Depreciation Cash	ReserveTrust Cash	Total Cash	Net Income
January 1, 2023 Cash balances	31,200,000	8,100,000	8,600,000	6,400,000	\$54,300,000	
Income Before-Deprec & Pension	6,508,000	100,000	100,000	100,000	6,808,000	\$6,808,000
(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	6,008,000	100,000	100,000	100,000	6,308,000	
Fund Depreciation Cash at Town @ 5% Capital expenditures (Note-A below)	<u>(4,327,000)</u>		4,327,000 <u>(7,759,500)</u>		<u>(7,759,500)</u>	(4,327,000)
2023 Cash flow, net	1,681,000	100,000	(3,332,500)	100,000	(1,451,500)	
Net income before rate stabilization adjstmnt 4% rate stabilization adjustment (RSA) 2020 Net income @ 4% - ROR						2,481,000 <u>(300,000)</u> <u>\$2,181,000</u>
December 31, 2023 Cash balances	\$32,881,000	\$8,200,000	\$5,267,500	\$6,500,000	\$52,848,500	

4% Rate Stabilization Balances:	Projected 2023	Inc (Dec)	Balance 2023
Electric RSA	5,280,000	150,000	5,430,000
Gas RSA	<u>156,000</u>	<u>150,000</u>	<u>306,000</u>
Total RSA	\$5,436,000	\$300,000	\$5,736,000

Capital Work:	Note-A
Electric	5,467,500
Gas	1,977,000
Office	<u>315,000</u>
Total Capital Exp	\$7,759,500

Middleborough Gas and Electric Department
 Budgeted Statement of Operations for Year Ending 12/31/2023
 Electric & Gas Divisions Combined

	Cash Basis	4% Rate Stabilization Adjustment	After 4% RSA
Operating Revenue	\$ 58,202,000		\$ 58,202,000
Forfeited Customer Discounts	400,000		400,000
Total Operating Revenue	58,602,000		58,602,000
Gas and Power Supply Costs	35,673,000	300,000	35,973,000
Profit Margin	22,929,000	(300,000)	22,629,000
Less:			
Depreciation Expense @ 5%	4,327,000		4,327,000
O&M Expense	7,579,000		7,579,000
G&A Expense	8,202,000		8,202,000
Total Expense	20,108,000		20,108,000
Net Other Income	435,000		435,000
Operating Income	3,256,000	(300,000)	2,956,000
In Lieu of Tax Payment	775,000		775,000
Combined Net Income	\$2,481,000	(\$300,000)	\$2,181,000
Projected Gross plant			91,841,587
% of Oper Income / Gross Plant			3.2%

4% Rate Stabilization History:	Inc (Dec)	Y/E Balance
2021 Actual		7,351,000
2022 Forecast	(1,915,000)	5,436,000
2023 Budget	300,000	5,736,000

Middleborough Gas and Electric Department
 Budgeted Statement of Operations for Year Ending 12/31/2023
 Electric Division

	Cash Basis	4% Rate Stabilization Adjustment	After 4% RSA
Operating Revenue	\$ 44,068,000		\$44,068,000
Forfeited Customer Discounts	300,000		300,000
Total Operating Revenue	44,368,000		44,368,000
Power Supply Costs	26,607,000	150,000	26,757,000
Profit Margin	17,761,000	(150,000)	17,611,000
Margin in cents/kwh	6.0		6.0
Less:			
Depreciation Expense @ 5%	3,353,000		3,353,000
O&M Expense	5,285,000		5,285,000
G&A Expense (80%)	7,028,000		7,028,000
Total Expense	15,666,000		15,666,000
Net Other Income	255,000		255,000
Operating Income	2,350,000	(150,000)	2,200,000
In Lieu of Tax Payment	625,000		625,000
Electric Net Income	\$1,725,000	(\$150,000)	\$1,575,000
Projected Gross plant	71,067,516		71,067,516
% of Oper Income / Gross Plant	3.3%		3.1%

4% Rate Stabilization History:	Inc (Dec)	Y/E Balance
2021 Actual		5,495,000
2022 Forecast	(215,000)	5,280,000
2023 Budget	150,000	5,430,000

Middleborough Gas and Electric Department
 Budgeted Statement of Operations for Year Ending 12/31/2023
 Gas Division

	Cash Basis	4% Rate Stabilization Adjustment	After 4% RSA
Operating Revenue	\$14,134,000		\$14,134,000
Forfeited Customer Discounts	100,000		100,000
<hr/>			
Total Operating Revenue	14,234,000		14,234,000
Gas Supply Costs	9,066,000	150,000	9,216,000
<hr/>			
Profit Margin	5,168,000	(150,000)	5,018,000
Margin in cents/ccf	75.9		73.7
 Less:			
Depreciation Expense @ 5%	974,000		974,000
O&M Expense	2,294,000		2,294,000
G&A Expense (20%)	1,174,000		1,174,000
<hr/>			
Total Expense	4,442,000		4,442,000
Net Other Income	180,000		180,000
<hr/>			
Operating Income	906,000	(150,000)	756,000
Less: In Lieu of Tax Payment	150,000		150,000
<hr/>			
Gas Net Income	\$756,000	(\$150,000)	\$606,000
<hr/>			
Projected Gross plant	20,774,071		20,774,071
 % of Oper Income / Gross Plant	 4.4%		 3.6%

4% Rate Stabilization History and Projection:	Inc (Dec)	Y/E Balance
2021 Actual		1,856,000
2022 Forecast	(1,700,000)	156,000
2023 Budget	150,000	306,000

Middleborough Gas and Electric Department
 Budgeted Statement of Operations for Year Ending 12/31/2023
 Comparative Statement

	2022 BUDGET		2022 FORECAST		2023 BUDGET Prior to Plant (RSA)		BUDGET 2023 vs 2022
<u>COMBINED</u>							
Gross Revenues	\$50,642,000		\$51,417,000		\$58,602,000		16%
Gas & Power Supply Costs	31,244,000		35,557,000		35,673,000		14%
Profit Margin	19,398,000		15,860,000		22,929,000		18%
O&M Expenses	7,572,000		6,327,000		7,579,000		0%
G&A Expenses	7,658,000		6,925,000		8,202,000		7%
Depreciation	4,590,000		4,236,000		4,327,000		-6%
Total Delivery Expense	19,820,000		17,488,000		20,108,000		1%
Other Income	431,000		620,000		435,000		1%
In Lieu of Tax Payment	775,000		700,000		775,000		0%
Net Income	-766,000		-1,708,000		2,481,000		
<u>ELECTRIC</u>							
Sales # kwh	291,000,000		301,817,000		294,000,000		
		¢/kWh		¢/kWh			
Gross Revenues	\$41,005,000	0.141	\$41,000,000		\$44,368,000	0.151	8%
Power Supply Costs	24,876,000	0.085	27,906,000		26,607,000	0.091	7%
Profit Margin	16,129,000	0.055	13,094,000		17,761,000	0.060	10%
O&M Expense	5,406,000		4,393,000		5,285,000		-2%
G&A Expense (80%)	6,203,000		5,305,000		7,028,000		13%
Depreciation	3,619,000		3,290,000		3,353,000		-7%
Total Delivery Expense	15,228,000		12,988,000		15,666,000		3%
Operating income	901,000		106,000		2,095,000		
Other Income	251,000		350,000		255,000		2%
In Lieu of Tax Payment	620,000		525,000		625,000		1%
Net Income	532,000		-69,000		1,725,000		224%
<u>GAS</u>							
Sales # ccf Firm	6,810,000		6,250,000		6,810,000		
		\$/ccf		\$/ccf			
Gross Revenues - Firm	\$9,637,000	1.415	\$10,417,000		\$14,234,000	2.090	48%
Gas Supply Costs - Firm	6,368,000	0.935	7,651,000		9,066,000	1.331	42%
Profit Margin	3,269,000	0.480	2,766,000		5,168,000	0.759	58%
O&M Expense	2,166,000		1,934,000		2,294,000		6%
G&A Expense (20%)	1,455,000		1,620,000		1,174,000		-19%
Depreciation	971,000		946,000		974,000		0%
Total Delivery Expense	4,592,000		4,500,000		4,442,000		-3%
Operating income	(1,323,000)		-1,734,000		726,000		
Other Income & IT	180,000		270,000		180,000		0%
In Lieu of Tax Payment	155,000		175,000		150,000		-3%
Net Income	-\$1,298,000		-\$1,639,000		\$756,000		-158%

Middleborough Gas and Electric Department

Department Budget for Year Ending 12/31/2023

	2022 BUDGET	2023 BUDGET	% CHANGE	2022 FORECAST
<u>ELECTRIC:</u>				
Budgeted Revenues	\$41,005,000	\$44,368,000	8.2%	\$41,000,000
Budgeted kWh Sales	291,000,000	294,000,000	1.0%	301,817,000
Budgeted Revenue Cents/kWh	14.09	15.09	7.1%	13.58

Note A: In Jan 2023, PPA increased from .015 to **.025** cents/kwh
 In Jan 2020, PPA decreased from **.02** to .015 cents/kwh
 In Aug 2018, PPA increased from .01 to **.02** cents/kwh

	Base Price	PPC/PPA	Total
kwh#	\$0.0399	\$0.11100	\$0.1509
294,000,000	\$11,730,600	\$32,634,000	\$44,368,000
El (Post PPA ↓)	Jan-Dec		
Firm	\$44,364,700		
kwh	294,000,000		
average	0.1509		
PPC	0.1110		
base	0.0399		

	2022 BUDGET	2023 BUDGET	% CHANGE	2022 FORECAST
<u>GAS:</u>				
Firm Budgeted Revenues	\$9,637,000	\$14,234,000	47.7%	\$10,417,000
Firm-Sales in CCF	6,810,000	6,810,000	0.0%	6,810,000
Budgeted Revenues/CCF	\$1.415	\$2.090	47.7%	\$1.53

Note A: In Oct 2022 the PGA was increased by .9500 to **1.7526** from .8026 cents.
 In May 2022 the PGA was increased by .3400 to .8026 from .4626 cents.
 In Mar 2021 the PGA was decreased by .0900 to .4626 from .5526 cents.

	Base Price	PGA	Total
ccf	\$0.3376	\$1.75260	\$2.09020
6,810,000	\$2,299,056	\$11,935,206	\$14,234,000
0	0	0	0
6,810,000	\$2,299,056	\$11,935,206	\$14,234,000
			2.09
Gas	Budget		
Firm	\$14,234,262		
ccf	6,810,000		
average	2.0902		
pga	1.7526		
base	0.3376		

PROJECTED RATE OF RETURN:		Before 4% ROR	After 4% ROR
COMBINED:	Operating income *	\$ 3,256,000	\$ 2,956,000
	Plant, at cost	\$ 91,841,587	\$ 91,841,587
	% Return	3.5%	3.2%
ELECTRIC:	Operating income *	\$ 2,350,000	\$ 2,200,000
	Plant, at cost	\$ 71,067,516	\$ 71,067,516
	% Return	3.3%	3.1%
GAS:	Operating income *	\$ 906,000	\$ 756,000
	Plant, at cost	\$ 20,774,071	\$ 20,774,071
	% Return	4.4%	3.6%

Operating income * is before reduction for Payment in Lieu of Tax and after 4% plant adjustment of \$775,000 (\$300,000)

Middleborough Gas and Electric Department

Power Supply Budget Comparison 2023

	2022 Budget					2023 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%	\$179,000	\$12.27	2.2	14,587	75.7%	\$179,000	\$12.27
Seabrook	6.27	49,474	90.1%	1,426,000	\$28.82	6.27	48,132	87.6%	1,435,000	\$29.81
Millstone 3	1.30	10,180	89.4%	446,000	\$43.81	1.30	10,150	89.1%	383,000	\$37.73
Next Era Load Following		149,647		8,132,000	\$54.34		152,673		8,260,000	\$54.10
Subtotal	9.77	223,888		10,183,000	\$45.48	9.77	225,542		10,257,000	\$45.48
<u>Intermediate</u>										
ISO Interchange		24,623		\$688,000	\$27.94		24,919		\$663,000	\$26.61
Stony Brook Combined Cycle	7.00	6,391	10.4%	938,000	\$146.77	7.00	7,141	11.6%	1,225,000	\$171.54
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	13,976	15.5%	1,079,000	\$77.20
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	79,753		4,697,000	\$58.89	25.73	81,099		4,982,000	\$61.43
<u>Peaking</u>										
Stony Brook Peaking	7.89	359	0.5%	\$314,000	\$874.65	7.89	359	0.5%	\$422,000	\$1,175.49
Vistra Capacity Purchase	20.00			\$1,331,000		20.00			\$1,184,000	
Forward Capacity	49.27			3,333,000	\$5.64	49.27			2,164,000	\$3.66
Subtotal	77.16	359		4,978,000		77.16	359		3,770,000	
<u>Transmission</u>				\$4,631,000						\$5,496,000
<u>Other Supply Expenses</u>				\$387,000						\$2,102,000
<u>Total Power Supply</u>										
	112.66	304,000	30.8%	\$24,876,000	\$81.83	112.66	307,000	31.1%	\$26,607,000	\$86.67

Middleborough Gas and Electric Department
Power Supply Expense Budget for Year Ending 12/31/2023
Electric Division

ACCOUNT	ACCOUNT TITLE	2022 BUDGET	2022 FORECAST	2023 BUDGET	BUDGET 2023 vs 2022	BUDGET 23 vs Forecast
555105	Stonybrook Intermediate	\$ 938,000	\$ 458,000	\$ 1,225,000	31%	167%
555106	Stonybrook Peaking	314,000	214,000	422,000	34%	97%
555107	Wyman #4	-	-	-	-	-
555108	ISO/NextEra/Capacity	13,484,000	16,621,000	13,687,000	2%	-18%
555109	Vermont Yankee	-	-	-	-	-
555115	Solar RBB/PPA, Wind, Genset	3,071,000	2,625,000	3,094,000	1%	18%
555117	NYPA (PASNY)	179,000	94,000	179,000	0%	90%
555118	Nuclear Project 3-Millstone 3	261,000	259,000	246,000	-6%	-5%
555119	Nuclear Mix 1-Mill 3/Seabrook	185,000	148,000	142,000	-23%	-4%
555124	Nuclear Project 4-Seabrook	994,000	1,008,000	993,000	0%	-1%
555125	Nuclear Project 5-Seabrook	44,000	45,000	45,000	2%	0%
555126	Nuclear Project 6-Seabrook	388,000	395,000	388,000	0%	-2%
	Total 555	19,858,000	21,867,000	20,421,000	3%	-7%
556100	Stranded Cost Provision	-	-	-	0%	0%
557100	Other Power Expense	387,000	285,000	690,000	78%	142%
558100	Decommissioning Expense	-	-	-	-	-
	Total 556/557/558	387,000	285,000	690,000	78%	142%
565100	Transmission By Others	4,631,000	5,718,000	5,456,000	18%	-5%
566100	Miscellaneous Transmission	-	36,000	40,000	0%	11%
	Total Power Costs	\$ 24,876,000	\$ 27,906,000	\$ 26,607,000	7%	-5%
	kWh Sold	291,000,000	301,817,000	294,000,000	1%	-3%
	Cost/kWh Sold	0.085	0.092	0.091	6%	-2%
	kWh Bot	304,000,000	310,348,000	307,000,000	1%	-1%
	Cost/kWh Bot	0.082	0.090	0.087	6%	-4%

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	555105	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Stonybrook Intermediate		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 938,000	\$ 458,000	\$ 1,225,000

ACCOUNT DESCRIPTION: Purchased power expense for the above unit for the period January - December 2023

EXPLANATION OF 2023 BUDGET PROJECTION

StonyCC Gas	Capacity	\$ 203,000
StonyCC Oil	Capacity	96,000
StonyCC Gas	Energy	371,000
StonyCC Oil	Energy	555,000
Total		<u>\$ 1,225,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	555106	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Stonybrook Peaking		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 314,000	\$ 214,000	\$ 422,000

ACCOUNT DESCRIPTION: Purchased power expense for the above unit for the period January - December 2023

EXPLANATION OF 2023 BUDGET PROJECTION

Capacity	\$ 201,000
Energy	<u>221,000</u>
Total	<u>\$ 422,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	555107	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Wyman #4		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ -	\$ -	\$ -

ACCOUNT
DESCRIPTION:

Purchased power expense for the above
unit for the period January - December 2023

EXPLANATION OF 2023
BUDGET PROJECTION

Contract terminated July 2019

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

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	555108	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - ISO/Open Market Interchange (Nepex)		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 13,484,000	\$ 16,621,000	\$ 13,687,000

ACCOUNT DESCRIPTION: Purchased power expense for the above unit for the period January - December 2023

EXPLANATION OF 2023 BUDGET PROJECTION

ISO Interchange	\$ 720,000
Next Era Load Following	8,260,000
Mystic ReliabilityMustRun	537,000
Winter InventoriedEnergyProg	822,000
Dynegy Vistra Capacity Hedge	1,184,000
Forward Capacity Mkt (FCM)	<u>2,164,000</u>
Total	<u>\$ 13,687,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	55109	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Vermont Yankee		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ -	\$ -	\$ -

ACCOUNT DESCRIPTION: Contract expired in 2002

EXPLANATION OF 2023
BUDGET PROJECTION

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

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	555115	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Solar Arrays/Wind/GenSet/Hydro		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 3,071,000	\$ 2,625,000	\$ 3,094,000

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

EXPLANATION OF 2023 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
			<u>3,094,000</u>
			<u>\$ 3,094,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	555117	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - NYPA Peaking		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 179,000	\$ 94,000	\$ 179,000

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2023
BUDGET PROJECTION

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

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	555118	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Nuclear Project 3 - Millstone 3		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
<u>\$ 261,000</u>	<u>\$ 259,000</u>	<u>\$ 246,000</u>

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2023
BUDGET PROJECTION

Capacity	\$ 205,000
Energy	<u>41,000</u>
	<u>\$ 246,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	555119	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Nuclear Mix 1 - Millston 3 & Seabrook		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 185,000	\$ 148,000	\$ 142,000

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2023
BUDGET PROJECTION

Capacity	\$ 118,000
Energy	<u>24,000</u>
Total	<u>\$ 142,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	555124	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Nuclear Project 4 - Seabrook		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
<u>\$ 994,000</u>	<u>\$ 1,008,000</u>	<u>\$ 993,000</u>

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2023
BUDGET PROJECTION

Capacity	\$ 817,000
Energy	<u>176,000</u>
Total	<u>\$ 993,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	555125	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Nuclear Project 5 - Seabrook		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 44,000	\$ 45,000	\$ 45,000

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2023
BUDGET PROJECTION

Capacity	\$ 37,000
Energy	<u>8,000</u>
	<u>\$ 45,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	555126	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Nuclear Project 6 - Seabrook		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
<u>\$ 388,000</u>	<u>\$ 395,000</u>	<u>\$ 388,000</u>

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2023
BUDGET PROJECTION

Capacity	\$ 319,000
Energy	<u>69,000</u>
	<u>\$ 388,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	556100	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Stranded Cost Provision		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ -	\$ -	\$ -

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2023
BUDGET PROJECTION

Reinvest interest only

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	557100	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Power Expense - Other Supply Expense		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 387,000	\$ 285,000	\$ 690,000

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2023
BUDGET PROJECTION

GM/Energy Analyst salary (25%)	\$ 51,000
Asst. General Manager (40%)	64,000
Environmental Attribute Purchases/Rebates	300,000
Power supply & regulatory consult	<u>275,000</u>
Total	<u>\$ 690,000</u>

Balance of GM/Energy Analyst in 920100 (30%), 807200 (25%), 560100 (20%)
 Balance of Asst.General Manager in 920100 (30%), 807200 (10%), 560100 (20%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	558100	PREPARED BY:	JC
ACCOUNT TITLE:	Decommissioning Expense		

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ -	\$ -	\$ -

ACCOUNT
DESCRIPTION:

EXPLANATION OF 2023
BUDGET PROJECTION

Future decommissioning costs included
in monthly project-related billing

\$ -

Total

\$ -

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	565100	PREPARED BY:	JC
ACCOUNT TITLE:	Transmission of Electricity by Others		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
<u>\$ 4,631,000</u>	<u>\$ 5,718,000</u>	<u>\$ 5,456,000</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 2023
BUDGET PROJECTION

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

	<u>\$ 5,456,000</u>
Total	<u><u>\$ 5,456,000</u></u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

POWER SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	566100	PREPARED BY:	JC
ACCOUNT TITLE:	Miscellaneous Transmission Expense		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ -	\$ 36,000	\$ 40,000

ACCOUNT DESCRIPTION: Transmission costs related to Legal Fees, Consultant Fees, etc.

EXPLANATION OF 2023 BUDGET PROJECTION Transmission related costs include telecomm connection for Nat Grid Revenue Meter Legal fees for transmission issues

	\$ 40,000
Total	<u>\$ 40,000</u>

Middleborough Gas and Electric Department
Gas Supply Expense Budget for Year Ending 12/31/2023
Gas Division

ACCOUNT	ACCOUNT TITLE	2022 BUDGET	2022 FORECAST	2023 BUDGET	BUDGET 2023 vs 2022	BUDGET 23 vs Forecast
804120	Eversource/CMA Note - A	\$ 145,000	\$ 98,000	\$ 145,000	0%	48%
804520	Constellation/REV Note - B	2,462,000	2,387,000	3,674,000	49%	54%
804620	Mercuria/JPMorgan Note - C	3,683,000	5,094,000	5,169,000	40%	1%
804720	Mercuria/JPMorgan Interruptible	1,300,000	1,800,000	985,000	-24%	-45%
807200	Misc Purchased Gas	78,000	72,000	78,000	0%	8%
	Firm and Interruptible Supply	<u>\$ 7,668,000</u>	<u>\$ 9,451,000</u>	<u>\$ 10,051,000</u>	31%	6%
	Firm Gas Supply Costs	<u>\$ 6,368,000</u>	<u>\$ 7,651,000</u>	<u>\$ 9,066,000</u>	42%	18%
	Total ccf Sold	9,600,000	8,617,000	8,276,000	-14%	-4%
	Firm ccf Sold	6,810,000	6,250,000	6,810,000	0%	9%
	Cost per CCF Sold	0.80	1.10	1.21	52%	11%
	Cost/firm CCF Sold	0.94	1.22	1.33	42%	9%

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 MGED. Trangas LNG trucking costs added to Engie/GDF/Suez/Distrigas.
Additional spot trucked LNG deliveries from REV LNG.
- 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 BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	804120	PREPARED BY:	JC
ACCOUNT TITLE:	Natural Gas Purchases - Baystate/CMA/Eversource		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
<u>\$ 145,000</u>	<u>\$ 98,000</u>	<u>\$ 145,000</u>

ACCOUNT
DESCRIPTION:

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

EXPLANATION OF 2023
BUDGET PROJECTION

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

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

GAS SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	804520	PREPARED BY:	JC
ACCOUNT TITLE:	Natural Gas Purchases - Constellation/Distrigas & Transgas LNG Trucking		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
<u>\$ 2,462,000</u>	<u>\$ 2,387,000</u>	<u>\$ 3,674,000</u>

ACCOUNT DESCRIPTION: Peak Season Vapor Delivery Contract
Dec-Jan-Feb 1,900 MMBtu/day
Option to take 8 trucks of LNG
1 Yr contract beginning 11/1/22

EXPLANATION OF 2023 BUDGET PROJECTION Natural gas purchased from Constellation/Distrigas/Engie or REV LNG

Constellation or REV LNG	Demand	Peak months	\$ 1,618,000
	Demand	Peak months	324,000
	Commodity	Peak months	1,598,000
Trangas	Commodity	LNG Supply	109,000
	Trucking	LNG Transport	<u>25,000</u>
		Total	<u>\$ 3,674,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

GAS SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	804620	PREPARED BY:	JC
ACCOUNT TITLE:	Natural Gas Purchases - Mercuria/JP Morgan		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
<u>\$ 3,683,000</u>	<u>\$ 5,094,000</u>	<u>\$ 5,169,000</u>

ACCOUNT DESCRIPTION:

Purchases of gas from gas pipeline suppliers

EXPLANATION OF 2023 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	\$ 780,000
McCarter English & Thompson Coburn	25,000
Mercuria/JP Morgan Firm	4,158,000
Mercuria/JP Morgan Citygate Purchase	<u>206,000</u>
Total	<u>\$ 5,169,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

GAS SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	804720	PREPARED BY:	JC
ACCOUNT TITLE:	Natural Gas Purchases - Mercuria (Interruptible)		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
<u>\$ 1,300,000</u>	<u>\$ 1,800,000</u>	<u>\$ 985,000</u>

ACCOUNT DESCRIPTION: Purchases of gas from gas pipeline suppliers

EXPLANATION OF 2023 BUDGET PROJECTION Natural gas purchases from Citygate Suppliers

Mercuria/JP Morgan Citygate Purchase	<u>\$ 985,000</u>
Total	<u><u>\$ 985,000</u></u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT

GAS SUPPLY EXPENSE BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	807200	PREPARED BY:	JC
ACCOUNT TITLE:	Purchased Gas Expenses		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
<u>\$ 78,000</u>	<u>\$ 72,000</u>	<u>\$ 78,000</u>

ACCOUNT DESCRIPTION: Purchased Gas Expenses

EXPLANATION OF 2023 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>

Balance of GM/Energy Analyst in 920100 (30%), 557100 (25%), 560100 (20%)
 Balance of Asst.General Manager in 920100 (30%), 557100 (40%), 560100 (20%)

Middleborough Gas and Electric Department
 Operations and Maintenance Expenses Budget for Year Ending 12/31/2023
 Electric Division

ACCOUNT	ACCOUNT TITLE	2022 BUDGET	2022 FORECAST	2023 BUDGET	BUDGET 2023 vs 2022	BUDGET 23 vs Forecast
OTHER POWER GENERATION - OPERATIONS						
546100	Generation Operation Supervision & Engineering	\$ 29,000	\$ 29,000	\$ 24,000	-17%	-17%
547100	Generation Operation - Fuel	40,000	23,000	40,000	0%	74%
548100	Generation Operation Expense	27,000	5,000	27,000	0%	-
Total Other Power Generation-Operations Expense:		96,000	57,000	91,000	-5%	60%
GENERATION, OTHER POWER - MAINTENANCE						
553100	Maint. Of Generating & Electric Equipment	74,000	63,000	76,000	3%	21%
Total Other Power Generation - Maintenance:		74,000	63,000	76,000	3%	21%
TRANSMISSION - OPERATIONS						
560100	Transmission Operation Supervision & Engineering	271,000	241,000	301,000	11%	25%
562100	Transmission Station Expense	135,000	122,000	143,000	6%	17%
569100	Maintenance of Transmission Structures	93,000	-	93,000	0%	#DIV/0!
571100	Maintenance of Overhead Transmission Lines	60,000	100,000	116,000	93%	16%
Total Transmission-Operations Expense:		559,000	463,000	653,000	17%	41%
DISTRIBUTION - OPERATIONS						
580100	Operations - Supervision & Engineering	274,000	194,000	139,000	-49%	-28%
582100	Distribution Station Expense	295,000	411,000	384,000	30%	-7%
586100	Meters Operations Expense	179,000	110,000	187,000	4%	70%
588100	Miscellaneous distribution - Operations Expense	314,000	430,000	386,000	23%	-10%
Total Distribution - Operations Expense:		1,062,000	1,145,000	1,096,000	3%	-4%
DISTRIBUTION - MAINTENANCE						
590100	Maintenance - Supervision & Engineering	176,000	167,000	152,000	-14%	-9%
592100	Maintenance of Station Equipment	70,000	77,000	70,000	0%	-9%
593100	Maintenance of Overhead Lines	3,133,000	2,179,000	2,890,000	-8%	33%
594100	Maintenance of Underground Lines	31,000	88,000	40,000	29%	-55%
595100	Maintenance of Line Transformers	44,000	9,000	44,000	0%	389%
596100	Maintenance of Street Lights	31,000	3,000	16,000	-48%	433%
597100	Maintenance of Meters	2,000	6,000	4,000	100%	-33%
599100	Maintenance of Vehicles	128,000	136,000	153,000	20%	13%
Total Distribution - Maintenance:		3,615,000	2,665,000	3,369,000	-7%	26%
SUMMARY OF EXPENSES:						
Total Other Power Generation-Operations Expense:		96,000	57,000	91,000	-5%	60%
Total Other Power Generation - Maintenance:		74,000	63,000	76,000	3%	21%
Total Transmission-Operations Expense:		559,000	463,000	653,000	17%	41%
Total Distribution - Operations Expense:		1,062,000	1,145,000	1,096,000	3%	-4%
Total Distribution - Maintenance:		3,615,000	2,665,000	3,369,000	-7%	26%
		\$ 5,406,000	\$ 4,393,000	\$ 5,285,000	-2%	20%

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	562100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Transmission Station Expense		

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 135,000	\$ 122,000	\$ 143,000

ACCOUNT DESCRIPTION: Transmission Station Expense

EXPLANATION OF 2023
BUDGET PROJECTION

1 Station Operators (20%)	\$ 67,000
2 Assistant Manager of Operations (20%)	19,000
3 Camera system maintenance	5,000
4 Monthly expenses of Middleborough's of Bridgewater Substation	<u>52,000</u>
	<u>\$ 143,000</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%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	569100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Maintenance of Transmission Structures		

ACCOUNT HISTORY

<u>2022</u>	<u>2022</u>	<u>2023</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
\$ 93,000	\$ -	\$ 93,000

ACCOUNT DESCRIPTION:

Expenses associated with maintaining transmission line structures.

EXPLANATION OF 2023 BUDGET PROJECTION

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

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	571100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Maintenance of Overhead Transmission Lines		

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 60,000	\$ 100,000	\$ 116,000

ACCOUNT DESCRIPTION: Maintenance of 115 KV transmission lines.

EXPLANATION OF 2023 BUDGET PROJECTION		
	1 Regular Maintenance	\$ 35,000
	2 Conrail Crossing Fee	1,000
	3 Maintenance Mowing	<u>80,000</u>
	Total	<u>\$ 116,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	580100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Operation Supervision & Engineering - Distribution		

ACCOUNT HISTORY

<u>2022</u>	<u>2022</u>	<u>2023</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
\$ 274,000	\$ 194,000	\$ 139,000

ACCOUNT
DESCRIPTION:

Payroll Expenses for management
personnel in Electric Division.

EXPLANATION OF 2023
BUDGET PROJECTION

Management Salaries:

1 Electric Division Manager (40%)	\$ 62,000
2 Senior Electric Engineer/Compliance (10%)	14,500
3 Distribution Engineer (20%)	18,500
4 Asst. Manager of Operations (30%)	28,000
5 Safety Shoes	1,000
6 Training Workshops	10,000
7 ADA services	5,000
 Total	 <u>\$ 139,000</u>

NOTE:

- 1 Balance of Electric Division Manager in 560100 (20%) and 590100 (40%)
- 2 Balance of Senior Electric Engineer/Compliance in 546100 (10%), 560100 (50%), and 590100 (30%)
- 3 Balance of Distribution Engineer in 546100 (10%), 560100 (20%), and 590100 (50%)
- 4 Balance of Asst. Manager of Operations 582100 (30%), 562100 (20%), and 588100 (20%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	582100	PREPARED BY: Z.R.H.
ACCOUNT TITLE:	Distribution Station Expense	

ACCOUNT HISTORY

<u>2022</u>	<u>2022</u>	<u>2023</u>
BUDGET	FORECAST	BUDGET
\$ 295,000	\$ 411,000	\$ 384,000

ACCOUNT DESCRIPTION: Expenses associated with operating the distribution substation.

EXPLANATION OF 2023 BUDGET PROJECTION

1 Station Operators (80%)	\$ 345,000
2 Electric Maintenance Worker (10%)	8,000
3 Assistant Manager of Operations (30%)	28,000
4 Safety Shoes	1,500
5 Misc. Substation Expenses	1,500
	1,500
Total	\$ 384,000

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%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	586100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Meter Operations Expense		

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 179,000	\$ 110,000	\$ 187,000

ACCOUNT DESCRIPTION: Payroll and materials expense of meter operations.

EXPLANATION OF 2023 BUDGET PROJECTION

1 Electrical Meterman Foremen	\$ 96,000
2 Electrical Meterman	84,000
3 Materials	2,000
4 Safety Shoes	1,000
5 Test Board Calibration	4,000
	\$ 187,000
Total	\$ 187,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	588100	PREPARED BY: Z.R.H.
ACCOUNT TITLE:	Miscellaneous Distribution - Operations Expense	

ACCOUNT HISTORY

<u>2022</u>	<u>2022</u>	<u>2023</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
\$ 314,000	\$ 430,000	\$ 386,000

ACCOUNT DESCRIPTION

Miscellaneous expenses of distribution operations.

EXPLANATION OF 2023 BUDGET PROJECTION

1 Assistant Manager of Operations (20%)	\$ 18,500
2 Map & Records Technician	76,000
3 Records Clerk	65,000
4 Stockperson	84,000
5 Electrical maintenance worker (10%)	8,000
6 Tool repair	10,000
7 Uniforms, safety shoes, rain gear	12,000
8 Office equipment maintenance	7,000
9 Maintenance expenses	7,000
10 First aid supplies, AEDs	2,000
11 Misc. office expenses	7,000
12 Cleaning supplies and services	20,000
13 Radio repairs	10,000
14 Town water	1,000
15 Training (CPR, RTK, etc.)	20,000
16 Grounds maintenance	6,000
17 PLM capacitor study	23,000
18 ADA services	5,000
19 Weather services 50%	4,500
Total	<u>\$ 386,000</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 in gas account
 886200 (50%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	590100	PREPARED BY: Z.R.H.
ACCOUNT TITLE:	Maintenance Supervision and Engineering - Distribution	

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 176,000	\$ 167,000	\$ 152,000

ACCOUNT
DESCRIPTION

Payroll expenses for management personnel.

EXPLANATION OF 2023
BUDGET PROJECTION

Management Salaries:

1 Electric Division Manager (40%)	\$	62,000
2 Senior Electric Engineer/Compliance (30%)		44,000
3 Distribution Engineer (50%)		<u>46,000</u>
 Total		 <u>\$ 152,000</u>

- 1 Balance of Electric Division Manager in 580100 (40%) and 560100 (20%)
- 2 Balance of Senior Electric Engineer/Compliance in 546100 (10%), 560100 (50%), and 580100 (10%)
- 3 Balance of Distribution Engineer in 546100 (10%), 560100 (20%), and 580100 (20%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	592100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Maintenance of Station Equipment		

ACCOUNT HISTORY

<u>2022</u>	<u>2022</u>	<u>2023</u>
BUDGET	FORECAST	BUDGET
\$ 70,000	\$ 77,000	\$ 70,000

ACCOUNT
DESCRIPTION

Maintenance of substation equipment every other year.

EXPLANATION OF 2023
BUDGET PROJECTION

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

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	593100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Maintenance of Overhead Lines		

ACCOUNT HISTORY

<u>2022</u>	<u>2022</u>	<u>2023</u>
BUDGET	FORECAST	BUDGET
<u>\$ 3,133,000</u>	<u>\$ 2,179,000</u>	<u>\$ 2,890,000</u>

ACCOUNT
DESCRIPTION

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

EXPLANATION OF 2023
BUDGET PROJECTION

1 16 Line workers	\$ 1,400,000
2 Tree Trimming - Barnes	930,000
3 Materials	45,000
4 Uniforms, safety shoes, rain gear	25,000
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 Pole inspection program - Alamon	9,000
11 Work Place Safety Solutions	15,000
12 Emergency Restorations	<u>200,000</u>
Total	<u>\$ 2,890,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	594100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Maintenance of Underground Lines - Dig Safe		

ACCOUNT HISTORY

<u>2022</u>	<u>2022</u>	<u>2023</u>
<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
<u>\$ 31,000</u>	<u>\$ 88,000</u>	<u>\$ 40,000</u>

ACCOUNT
DESCRIPTION

Expenses related to maintenance and
operation of underground distribution lines.

EXPLANATION OF 2023
BUDGET PROJECTION

1 Materials	\$	2,000
2 Electrical maintenance worker Dig Safe (40%)		32,000
3 Dig Safe Membership		<u>6,000</u>
Total	\$	<u><u>40,000</u></u>

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

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	595100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Maintenance of Line Transformers		

ACCOUNT HISTORY

<u>2022</u>	<u>2022</u>	<u>2023</u>
BUDGET	FORECAST	BUDGET
\$ 44,000	\$ 9,000	\$ 44,000

ACCOUNT DESCRIPTION

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

EXPLANATION OF 2023 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>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	596100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Maintenance of Street Lights		

ACCOUNT HISTORY

<u>2022</u>	<u>2022</u>	<u>2023</u>
BUDGET	FORECAST	BUDGET
\$ 31,000	\$ 3,000	\$ 16,000

ACCOUNT
DESCRIPTION

Expenses associated with street light maintenance.

EXPLANATION OF 2023
BUDGET PROJECTION

1 Materials		\$	8,000
2 Labor			8,000
Total		\$	16,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	597100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Maintenance of Meters		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 2,000	\$ 6,000	\$ 4,000

ACCOUNT
DESCRIPTION

Expenses associated with maintenance
of electric meters and equipment.

EXPLANATION OF 2023
BUDGET PROJECTION

1 Meter Supplies (rings, seals, etc.)	\$ 4,000
Total	<u>\$ 4,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	599100	PREPARED BY: Z.R.H.
ACCOUNT TITLE:	Maintenance of Vehicles	

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 128,000	\$ 136,000	\$ 153,000

ACCOUNT
DESCRIPTION

Expenses associated with maintenance
of Electric Division trucks.

EXPLANATION OF 2023
BUDGET PROJECTION

1 Materials	\$ 6,000
2 Electrical maintenance worker (40%)	32,000
3 Outside Services/Repairs	40,000
4 Fuel (Gasoline & Diesel)	65,000
5 Central Fuel O&M	500
6 Software for maintenance records	5,000
7 Maintenance of Vehicles	4,500
(transferred from account 933100/200)	
Total	\$ 153,000

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

Middleborough Gas and Electric Department
Operations and Maintenance Expenses Budget for Year Ending 12/31/2023
Gas Division

ACCOUNT	ACCOUNT TITLE	2022 BUDGET	2022 FORECAST	2023 BUDGET	BUDGET 2023 vs 2022	BUDGET 23 vs Forecast
LOCAL STORAGE EXPENSE:						
844200	Miscellaneous Production Expense	\$ 69,000	\$ 80,000	\$ 78,000	13%	-3%
	Total Local Storage Expense:	69,000	80,000	78,000	13%	-3%
DISTRIBUTION EXPENSE						
870200	Operation Supervision & Engineering	188,000	152,000	191,000	2%	26%
871200	Distribution Load Dispatching	137,000	157,000	179,000	31%	14%
874200	Mains and Services Expense	179,000	117,000	177,000	-1%	51%
878200	Meters and House Regulator Expense	161,000	131,000	121,000	-25%	-8%
879200	Customer Installation Expense	198,000	178,000	194,000	-2%	9%
880200	Other Expense	327,000	202,000	348,000	6%	72%
881200	Rents Expense	1,000	0	1,000	0%	-
882200	Digsafe	129,000	135,000	148,000	15%	10%
	Total Distribution Expense:	1,320,000	1,072,000	1,359,000	3%	27%
MAINTENANCE EXPENSE						
885200	Maintenance Supervision & Engineering	245,000	222,000	298,000	22%	34%
886200	Maintenance of Structures & Improvements	148,000	214,000	168,000	14%	-21%
887200	Maintenance of Mains	61,000	21,000	46,000	-25%	119%
889200	Maintenance of Measuring & Regulating Equip.	73,000	72,000	68,000	-7%	-6%
892200	Maintenance of Services	166,000	184,000	192,000	16%	4%
894200	Maintenance of Other Equipment	19,000	22,000	22,000	16%	0%
896200	Maintenance of Power Operated Equipment	65,000	47,000	63,000	-3%	34%
	Total Maintenance Expense:	777,000	782,000	857,000	10%	10%
SUMMARY OF EXPENSES:						
	Total Local Storage Expense:	69,000	80,000	78,000	13%	-3%
	Total Distribution Expense:	1,320,000	1,072,000	1,359,000	3%	27%
	Total Maintenance Expense:	777,000	782,000	857,000	10%	10%
		\$ 2,166,000	\$ 1,934,000	\$ 2,294,000	5.9%	18.6%

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	844200	PREPARED BY:	RCL\DKH
ACCOUNT TITLE:	Miscellaneous Production Expenses		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 69,000	\$ 80,000	\$ 78,000

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 2023
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		3,000
5 Miscellaneous equipment & supplies		3,000
6 Security System Repairs		20,000
7 Vegetation Control		1,000
8 Annual control & system calibration & testing		8,000
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 Air Compressor Maintenance		3,000
13 Odorization Maintenance & Supplies		5,000
14 Relief Valve Testing		5,000
15 Labor		18,000
Total	\$	78,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	870200	PREPARED BY:	RCLDKH
ACCOUNT TITLE: Operations Supervision and Engineering			

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 188,000	\$ 152,000	\$ 191,000

ACCOUNT
DESCRIPTION:

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

EXPLANATION OF 2023
BUDGET PROJECTION

1	Gas Division Manager of Engineering (20%)	\$ 32,000
2	Gas Division Manager of Operations (35%)	55,000
3	Gas Division Operations Supervisor (35%)	43,000
<i><u>Training Schools:</u></i>		
4	Northeast Gas Association Operations School	4,500
5	Northeast Gas Assoc. Operator Qualification Fee & Testing	9,000
6	US Dept of Transportation Safety Seminar	1,500
7	Northeast Gas Assoc. LNG Fire Fighting Training	7,000
8	First Aid / CPR	1,000
9	Leak Investigation/First Responder Training	-
10	Right-to-Know and Hazwoper Training	3,500
11	Customer Contact Training	-
12	Misc. Training	5,000
13	Cathodic Protection	1,500
14	Labor	28,000
	Total	\$ 191,000

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%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	871200	PREPARED BY:	RCL\DKH
ACCOUNT TITLE:	Distribution Load Dispatching		

ACCOUNT HISTORY

<u>2022</u> BUDGET	<u>2022</u> FORECAST	<u>2023</u> BUDGET
\$ 137,000	\$ 157,000	\$ 179,000

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 EGMA.

EXPLANATION OF 2023
BUDGET PROJECTION

1 Weather Service (50% gas 50% Elec. Account)	\$ 4,500
2 Misc. repairs to the departments Supervisory Control and Data Acquisition (SCADA)	10,500
3 Labor	<u>164,000</u>
Total	<u><u>\$ 179,000</u></u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	874200	PREPARED BY:	RCL\DKH
ACCOUNT TITLE:	Mains & Services Expenses		

ACCOUNT HISTORY

<u>2022</u> BUDGET	<u>2022</u> FORECAST	<u>2023</u> BUDGET
\$ 179,000	\$ 117,000	\$ 177,000

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 2023
BUDGET PROJECTION

1	Uniforms for construction dept	\$	6,000
2	Safety shoes		5,000
3	Replacement tools		2,000
4	Water & Sewer		1,500
5	New England CP annual cathodic protection inspections		1,500
6	NE Gas Association PE Pipe Joining Re-Qualification		4,500
7	License renewals & meals allowances		2,500
8	Welding Re-Qualifications		-
9	Right of Way Clearing		3,500
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.)		5,500
13	Calibration, testing and repair of dept. equipment (Gas Detectors, Pipe Locators, CO detectors, Pyrometers, etc.)		15,000
14	Labor		<u>128,000</u>
	Total		<u>\$ 177,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	878200	PREPARED BY:	RCLDKH
ACCOUNT TITLE:	Meter & House Regulator Expenses		

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 161,000	\$ 131,000	\$ 121,000

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 2023
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).	\$ 97,000
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.)	<u>9,000</u>
Total	<u><u>\$ 121,000</u></u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	879200	PREPARED BY:	RCL\DKH
ACCOUNT TITLE:	Customer Installation Expenses		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 198,000	\$ 178,000	\$ 194,000

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, and high bill investigations) are not charged.

EXPLANATION OF 2023
BUDGET PROJECTION

1 Cost of materials and supplies required to make odor calls & CO calls.	\$	9,000
2 Uniforms for the service dept employees		3,000
3 Labor:		
Service Technicians		63,000
Station Operator		50,000
On-call standby pay		38,000
Overtime pay call-outs		31,000
Total labor cost		182,000
Total	\$	194,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	880200	PREPARED BY:	RCL\DKH
ACCOUNT TITLE:	Other Expenses		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
<u>\$ 327,000</u>	<u>\$ 202,000</u>	<u>\$ 348,000</u>

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 2023
BUDGET PROJECTION

1 Gas Division Manager of Engineering (30%)	\$	47,000
2 Gas Division Senior Engineer (50%)		62,000
3 Gas Division Engineer (50%)		43,000
4 Gas Division Map & Records Technician (100%)		58,000
5 Greenhouse Gas reporting & verification consultant		6,000
6 Consulting work mPower		30,000
7 Summer internships & Cadet Program		20,000
8 Miscellaneous office supplies, maps, copy machine maintenance and material and expenses incurred in distribution system operation not provided for elsewhere.		12,000
9 Misc. Consulting		
Training and operating procedure updates		-
5 yr review Dist. Integrity Management Plan (DIMP)		-
10 Consultant as DPU Oversight		15,000
11 Relief Valve Calculations/update		10,000
12 Consultant Professional Engineer		25,000
13 Comply with PSMS		20,000
Total		\$ 348,000

NOTE:

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

Balance of Gas Division Senior Engineer's salary is in
 account 885200 (50%)

Balance of Gas Division Engineer's salary is in
 account 885200 (50%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	881200	PREPARED BY:	RCLDKH
ACCOUNT TITLE:	Rents		

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 1,000	\$ -	\$ 1,000

ACCOUNT
DESCRIPTION

Rent for property of others
Railroad Crossing

EXPLANATION OF 2023
BUDGET PROJECTION

1 Con Rail (MBTA) 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><u>\$ 1,000</u></u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	882200	PREPARED BY:	RCLDKH
ACCOUNT TITLE:	Dig Safe		

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 129,000	\$ 135,000	\$ 148,000

ACCOUNT DESCRIPTION

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

EXPLANATION OF 2023 BUDGET PROJECTION

1 Gas Division Manager of Operations (30%)	\$ 47,000
2 Gas Division Operations Supervisor (30%)	37,000
3 Materials - Paint and flags used to mark out gas mains and service lines for dig safe request	5,000
4 Digsafe Membership Dues (50%)	6,000
5 Labor cost for this account	<u>53,000</u>
Total	<u><u>\$ 148,000</u></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%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	885200	PREPARED BY:	RCLDKH
ACCOUNT TITLE:	Maintenance, Supervision & Engineering		

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 245,000	\$ 222,000	\$ 298,000

ACCOUNT
DESCRIPTION

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

EXPLANATION OF 2023
BUDGET PROJECTION

1 Gas Division Manager of Engineering (50%)	\$ 79,000
2 Gas Division Manager of Operations (35%)	55,000
3 Gas Division Operations Supervisor (35%)	43,000
4 Gas Division Senior Engineer (50%)	62,000
5 Gas Division Engineer (50%)	43,000
6 Manager On-Call (\$300/Week)	<u>16,000</u>
Total	<u>\$ 298,000</u>

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 Senior Engineer's salary is in account 880200 (50%)
 Balance of Gas Division Engineer's salary is in account 880200 (50%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	886200	PREPARED BY:	RCL\DKH
ACCOUNT TITLE:	Maintenance of Structures & Improvements		

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
<u>\$ 148,000</u>	<u>\$ 214,000</u>	<u>\$ 168,000</u>

ACCOUNT
DESCRIPTION

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

EXPLANATION OF 2023
BUDGET PROJECTION

1 Building and grounds maintenance: painting, yard work - mowing lawns, janitorial supplies, Cleaning, heat & AC repairs, Exterminator, etc.	\$ 63,000
2 Monitoring services for the security systems located at the operations office on Vine St and the South Middleborough Gate Station.	5,000
3 Gas Plant clean up project (oil gasification)	30,000
4 Comm of MA DEP annual compliance fee	1,000
5 Labor	<u>69,000</u>
Total	<u><u>\$ 168,000</u></u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	887200	PREPARED BY:	RCL\DKH
ACCOUNT TITLE:	Maintenance of Mains		

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 61,000	\$ 21,000	\$ 46,000

ACCOUNT
DESCRIPTION

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

EXPLANATION OF 2023
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. (carry over)		30,000
3 Police Details		6,000
4 Labor		<u>3,000</u>
Total	\$	<u><u>46,000</u></u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	889200	PREPARED BY:	RCLDKH
ACCOUNT TITLE:	Maintenance of Measuring & Regulating Station Equipment - General		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 73,000	\$ 72,000	\$ 68,000

ACCOUNT
DESCRIPTION

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

EXPLANATION OF 2023
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		6,000
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.		15,000
6 Annual calibration of chart recorders and transmitters		18,000
8 Labor		23,000
Total	\$	68,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	892200	PREPARED BY:	RCLDKH
ACCOUNT TITLE:	Maintenance of Services		

ACCOUNT HISTORY

2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 166,000	\$ 184,000	\$ 192,000

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 2023
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		\$ 180,000
2 Material - Pipe, valves, fittings, black top, gravel, loam seed for the restoration of property.		10,000
3 Police Details		2,000
Total		\$ 192,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	894200	PREPARED BY:	RCL\DKH
ACCOUNT TITLE:	Maintenance of Other Equipment		

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
<u>\$ 19,000</u>	<u>\$ 22,000</u>	<u>\$ 22,000</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 2023
BUDGET PROJECTION

1 Repair of power equipment, heat fusion equipment, drilling & tapping equipment, lawn equipment, two way radios, etc.	\$ 19,000
2 Labor	3,000
	\$ 22,000
Total	\$ 22,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 OPERATIONS AND MAINTENANCE EXPENSES BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 GAS DIVISION

G/L ACCOUNT:	896200	PREPARED BY:	RCL\DKH
ACCOUNT TITLE:	Maintenance of Power Operated Equipment		

ACCOUNT HISTORY

<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 65,000	\$ 47,000	\$ 63,000

ACCOUNT
DESCRIPTION:

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

EXPLANATION OF 2023
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	2,000
Total	\$ 63,000

Middleborough Gas and Electric Department
General and Administrative Expenses Budget for Year Ending 12/31/2023

ACCOUNT	ACCOUNT TITLE	2022 BUDGET	2022 FORECAST	2023 BUDGET	BUDGET 2023 vs 2022	BUDGET 23 vs Forecast
902100/200	Meter Reading Expense	\$160,000	\$109,000	\$90,000	-44%	-17%
903100/200	Customer Records/Customer Service	766,000	628,000	773,000	1%	23%
903110/120	Bank Fee Expense	300,000	329,000	360,000	20%	9%
903310/320	Customer Records - Computer Costs	295,000	166,000	304,000	3%	83%
903410/420	Collection Agency Fees	18,000	4,000	18,000	0%	350%
904100/200	Provision for Uncollectable Accounts	320,000	265,000	320,000	0%	21%
909100/200	Energy Audit Program - Residential	400,000	354,000	468,000	17%	32%
909110/120	Energy Audit Program - C & I	115,000	12,000	167,000	45%	1292%
909210/220	Economic Development	40,000	7,000	44,000	10%	529%
913100/200	Marketing Expense	65,000	31,000	103,000	58%	232%
913110/120	Communications Expense	75,000	40,000	92,000	23%	130%
920100/200	Administrative & General Salaries	767,000	642,000	741,000	-3%	15%
921100/200	Business Supplies & Expenses	225,000	118,000	262,000	16%	122%
923100/200	Outside Services	129,000	123,000	129,000	0%	5%
924100/200	Insurance - Property & Liability	470,000	425,000	508,000	8%	20%
925100/200	Insurance Exp. - Workman's Comp.	100,000	55,000	100,000	0%	82%
925310/320	Sick Pay Accrual	96,000	96,000	100,000	4%	4%
925510/510	Vacation Pay Accrual	78,000	78,000	80,000	3%	3%
926100/200	Insurance Exp. - Health & Life	930,000	964,000	1,000,000	8%	4%
926110/120	Employee Pension Liability	1,700,000	1,727,000	1,900,000	12%	10%
926310/320	Misc. Employee Benefits	90,000	90,000	100,000	11%	11%
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	69,000	49,000	81,000	17%	65%
930610/620	Membership Expense	65,000	60,000	67,000	3%	12%
930810/820	Misc. General & Admin Expenses	40,000	33,000	43,000	8%	30%
931100/200	Reimbursement for Municipal Svcs.	125,000	117,000	132,000	6%	13%
	Total General & Administrative	\$7,658,000	\$6,631,000	\$8,202,000	7.1%	23.7%

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

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	902100 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Meter Reading Expense		

ACCOUNT HISTORY

2021 ACTUAL	2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 141,708	\$ 160,000	\$ 109,000	\$ 90,000

ACCOUNT DESCRIPTION: Costs incurred relating to reading meters for MGED

EXPLANATION OF 2023 BUDGET PROJECTION		\$
1 Meter Reader (1)		69,000
2 Safety Shoes		1,000
3 Fill-ins for Meter Readers		20,000
		-
Total		\$ 90,000

Meter Installations in acct. 586100

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	903100 E/G	PREPARED BY: K.N.
ACCOUNT TITLE:	Customer Records & Collections Expense - Customer Service	

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 649,320	\$ 766,000	\$ 628,000	\$ 773,000

ACCOUNT
DESCRIPTION:

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

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

EXPLANATION OF 2023
BUDGET PROJECTION

1 Manager of Operations (40%)	\$ 48,000
2 CSR Supervisor	-
3 CSR Team Leader	80,000
4 Senior Clerks. (2)	148,000
5 Clerk clerical CSRs. (2)	108,000
7 Part time summer clerks	27,000
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	45,000
12 Postage - For billings	100,000
13 Bill Printing Service/Lease	62,000
Total	<u>\$ 773,000</u>

Balance of Manager of Operations in 920100 (60%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	903110 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Bank Fee Expense		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 289,349	\$ 300,000	\$ 329,000	\$ 360,000

ACCOUNT

DESCRIPTION:

Bank charges incurred as a result of processing customer check, credit card, and online transactions.

EXPLANATION OF 2023
BUDGET PROJECTION

1 RBS transaction fees	\$ 20,000
2 Paya/Sage/Invoice Cloud fees (Online/EFT/Credit Card payments)	325,000
3 ACH Lockbox fees	14,000
4 ACI Payments (ACH-lockbox fees)	1,000
Total	\$ 360,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	903310 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Customer Records & Collections Expense - Computer Costs		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 157,200	\$ 295,000	\$ 166,000	\$ 304,000

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

EXPLANATION OF 2023 BUDGET PROJECTION

1 Software License (Harris)	\$ 75,000
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 meter maintenance fees	5,000
7 mPower & GIS Maint.	20,000
8 Email Maintenance - Cloud Based	20,000
9 AutoCad Subscription Renewal	7,000
10 Miscellaneous PC hardware/software	7,000
Total	<u><u>\$ 304,000</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

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	903410 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Collection Agency Fees		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 6,413	\$ 18,000	\$ 4,000	\$ 18,000

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

EXPLANATION OF 2023 BUDGET PROJECTION		
1 Collection Agency payments		\$ 15,000
2 Plymouth County Registry of Deeds		2,000
3 Wareham District Court - Small Claims		1,000
Total		\$ 18,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	904100 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Provision for Uncollectable Accounts Expense		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 135,512	\$ 320,000	\$ 265,000	\$ 320,000

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

EXPLANATION OF 2023 BUDGET PROJECTION

1 Represents apprx .53% of \$60mm.of revenues	\$ 320,000
Total	\$ 320,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
FOR YEAR ENDING 12/31/2023
BUSINESS DIVISION

G/L ACCOUNT:	909100 E/G	PREPARED BY:	L.S.
ACCOUNT TITLE:	Energy Audit Program - Residential		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 315,699	\$ 400,000	\$ 354,000	\$ 468,000

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 2023 BUDGET PROJECTION

1 Residential Conservation Services expenses inclusive of: Home Energy Audits Home Weatherization Rebates Appliance Rebates	\$ 245,000
2 Target Low & Moderate Income Energy Efficiency Incentives	75,000
3 RCS Informational expenses	4,000
4 Weatherization Assistance Program	80,000
5 Electric Vehicle Charging Program	12,000
6 Energy Services Specialists (30%)	52,000
Total	\$ 468,000

Balance of Energy Services Specialists in
909110 (30%) & 920100 (40%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	909110 E/G	PREPARED BY:	L.S.
ACCOUNT TITLE:	Energy Services Program - Commercial/Municipal		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 36,785	\$ 115,000	\$ 12,000	\$ 167,000

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

EXPLANATION OF 2023 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	10,000
3 Energy Services Specialists (30%)	<u>52,000</u>
Total	<u>\$ 167,000</u>

Balance of Energy Services Specialists in 909100 (30%) & 920100 (40%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	909210 E/G	PREPARED BY:	L.S.
ACCOUNT TITLE:	Economic Development		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 1,075	\$ 40,000	\$ 7,000	\$ 44,000

ACCOUNT
DESCRIPTION:

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

EXPLANATION OF 2023
BUDGET PROJECTION

1 Local Advertisement (Chamber, Grange Hall, etc.)	\$ 1,000
2 Joint efforts for community Promotion	10,000
3 Downtown Upgrades, LED, White Way	25,000
4 OECD, Chamber of Commerce, Schools, etc.	8,000
Total	<u><u>\$ 44,000</u></u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	913100 E/G	PREPARED BY:	L.S.
ACCOUNT TITLE:	Marketing Expense		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 24,666	\$ 65,000	\$ 31,000	\$ 103,000

ACCOUNT DESCRIPTION: Costs related to marketing programs developed by MGED 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 2023 BUDGET PROJECTION

1 MGED promotional activities, information and promotional materials	\$ 17,000
2 Advertisements-newspapers, media	22,000
3 Training	7,000
4 Professional marketing services	25,000
5 Communications/Energy Analyst (50%)	32,000
Total	\$ 103,000

Balance of Communications/Energy Analyst in 920100 (50%)

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	913110 E/G	PREPARED BY:	L.S.
ACCOUNT TITLE:	Communication Expense		

ACCOUNT HISTORY

2021 ACTUAL	2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 63,532	\$ 75,000	\$ 40,000	\$ 92,000

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 MGED issues.

EXPLANATION OF 2023 BUDGET PROJECTION

1 MGED informational and printed materials	\$ 42,000
2 Advertisements-gazettes, newspapers, media	10,000
3 Professional services	28,000
4 Website updates, licensing, etc.	<u>12,000</u>
Total	<u>\$ 92,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
FOR YEAR ENDING 12/31/2023
BUSINESS DIVISION

G/L ACCOUNT:	920100 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Administrative & General Salaries		

ACCOUNT HISTORY

2021 ACTUAL	2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 687,450	\$ 767,000	\$ 642,000	\$ 741,000

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

EXPLANATION OF 2023 BUDGET PROJECTION

1 General Manager (30%)	\$ 68,000
2 Asst. General Manager (30%)	54,000
3 Accounting Manager (80%)	98,000
4 Manager of Operations (60%)	74,000
5 Energy Services Specialists - 2 (40%)	74,000
7 Accounting Supervisor (80%)	68,000
8 Human Resources Manager (100%)	95,000
9 IT/Security Analyst (100%)	71,000
10 Communications/Energy Analyst (50%)	32,000
11 Executive/HR Analyst (50%)	35,000
12 Data Analyst (100%)*	72,000
	-
Total	\$ 741,000

Balance of General Manager in 807200 (25%), 557100 (25%), & 560100 (20%)
Balance of Asst. General Mgr in 807200 (10%), 557100 (40%), & 560100 (20%)
Balance of Accounting Manager in 560100 (20%)
Balance of Manager of Operations in 903100 (40%)
Balance of Energy Services Specialists in 909100 (30%) & 909110 (30%)
Balance of Accounting Supervisor in 560100 (20%)
Balance of Communications/Energy Analyst in 913100 (50%)
Balance of Executive/HR Analyst in 930810 (50%)

Note: Administrative share is allocated @ **85%** Elec. & **15%** Gas
*New 2023 Budget

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	921100 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Business Supplies & Expenses		

ACCOUNT HISTORY

2021 ACTUAL	2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 149,081	\$ 225,000	\$ 118,000	\$ 262,000

ACCOUNT

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

EXPLANATION OF 2023
BUDGET PROJECTION

1 Preparation of business forms	\$ 10,000
2 Administrative facility maintenance	85,000
3 Landscaping Contractors (Administration Bldg.)	8,000
4 Administrative facility security (ADT/Bevo)	22,000
5 Cybersecurity Audit	20,000
6 Records Digitization	25,000
7 Maintenance of business equipment	17,000
8 Business supplies & other expenses	35,000
9 Business communication (Internet & cell phones)	40,000
Total	\$ 262,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	923100 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Outside Services Employed		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 104,221	\$ 129,000	\$ 123,000	\$ 129,000

ACCOUNT DESCRIPTION: Costs incurred for outside professional services and expertise to support legal, human resource and financial activities of MGED

EXPLANATION OF 2023 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
Total	\$ 129,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	924100 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Insurance Expense - Property & Liability		

ACCOUNT HISTORY

2021 ACTUAL	2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 378,575	\$ 470,000	\$ 425,000	\$ 508,000

ACCOUNT DESCRIPTION: Insurance costs to help protect the MGED against losses and damages to property, managers and commissioners.

EXPLANATION OF 2023 BUDGET PROJECTION

Projected Insurance Premiums:

1 Property Boiler & Machinery	\$ 60,000
2 Public Officials Liability & Employment Practices	50,000
3 General Liability	65,000
4 Commercial Auto	72,000
5 Excess/Umbrella Liability	220,000
6 Crime	5,000
7 Cyber Security Insurance	30,000
8 Fiduciary Liability for OPEB	6,000
Total	\$ 508,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	925100 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Insurance Expense - Workers Compensation		

ACCOUNT HISTORY

2021 ACTUAL	2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 49,546	\$ 100,000	\$ 55,000	\$ 100,000

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

EXPLANATION OF 2023 BUDGET PROJECTION

1 Worker's Compensation	\$ 100,000
Total	\$ 100,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	925310 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Sick Pay Accrual		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 92,791	\$ 96,000	\$ 96,000	\$ 100,000

ACCOUNT DESCRIPTION: Sick Pay Accrual

EXPLANATION OF 2023 BUDGET PROJECTION

1 Amount accrued to sick pay for year	\$ 100,000
Total	<u>\$ 100,000</u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	925510 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Vacation Pay Accrual		

ACCOUNT HISTORY

<u>2021</u>	<u>2022</u>	<u>2022</u>	<u>2023</u>
ACTUAL	BUDGET	FORECAST	BUDGET
\$ 24,886	\$ 78,000	\$ 78,000	\$ 80,000

ACCOUNT DESCRIPTION: Vacation Pay Accrual

EXPLANATION OF 2023 BUDGET PROJECTION

1 Amount accrued to vacation pay for year	\$ 80,000
Total	\$ 80,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	926100 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Insurance Expense - Health & Life Insurance		

ACCOUNT HISTORY

	<u>2021 ACTUAL</u>	<u>2022 BUDGET</u>	<u>2022 FORECAST</u>	<u>2023 BUDGET</u>
*** \$	613,631	\$ 930,000	\$ 964,000	\$ 1,000,000
	\$ 1,000,000			

ACCOUNT DESCRIPTION: Costs incurred by MGED in providing payments for employee medical benefits.

EXPLANATION OF 2023 BUDGET PROJECTION: Health & Life Insurance premiums charged by the Town.

NOTE: includes \$ 301,000 assessment for MGED's retirees & surviving spouses.

1 Regular Health Insurance from Town	\$ 1,000,000
Total	\$ 1,000,000

*** Note: 2021 Actual had a credit of \$317,550 related to GASB 45, actual cash disbursement was \$931,181.

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	926110 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Employee Pension Liability		

ACCOUNT HISTORY

2021 ACTUAL	2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 1,602,918	\$ 1,700,000	\$ 1,727,000	\$ 1,900,000

ACCOUNT DESCRIPTION: The amount necessary to fund MGED's share of the employee pension liability.

EXPLANATION OF 2023 BUDGET PROJECTION		
	1 Pension liability assessment charged by the Town and submitted to Plymouth County Retirement Assoc.(PCRA).	\$ 1,900,000
	Total	\$ 1,900,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	926310 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Miscellaneous Employee Benefits		

ACCOUNT HISTORY

<u>2021</u>	<u>2022</u>	<u>2022</u>	<u>2023</u>
<u>ACTUAL</u>	<u>BUDGET</u>	<u>FORECAST</u>	<u>BUDGET</u>
\$ 86,059	\$ 90,000	\$ 90,000	\$ 100,000

ACCOUNT DESCRIPTION: Costs incurred by the utility in the administration of MGED's employee benefit program

EXPLANATION OF 2023 BUDGET PROJECTION

1 Payroll taxes for FICA & Medicare match	<u>\$ 100,000</u>
Total	<u><u>\$ 100,000</u></u>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	926410 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Other Post Employment Benefits - GASB 45		

ACCOUNT HISTORY

	<u>2021 ACTUAL</u>	<u>2022 BUDGET</u>	<u>2022 FORECAST</u>	<u>2023 BUDGET</u>
***	\$ (229,142)	\$ 200,000	\$ 100,000	\$ 200,000

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

EXPLANATION OF 2023 BUDGET PROJECTION	Actuary determined liability for Post Employment Benefits for medical insurance. GASB 45	\$ 200,000
	Total	\$ 200,000

*** **Note:** 2021 Actual had a credit of \$229,142 related to GASB 45, actual cash disbursement was \$0.

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	930110 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Advertising Expense - General		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 1,847	\$ 10,000	\$ 2,000	\$ 10,000

ACCOUNT DESCRIPTION: Costs incurred by MGED including labor and materials used in advertising that is not sales related

EXPLANATION OF 2023 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>

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	930210 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Bond Administration Costs		

ACCOUNT HISTORY

2021 <u>ACTUAL</u>	2022 <u>BUDGET</u>	2022 <u>FORECAST</u>	2023 <u>BUDGET</u>
\$ 5,000	\$ 10,000	\$ 7,000	\$ 10,000

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

EXPLANATION OF 2023 BUDGET PROJECTION

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

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	930410 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Education, Training and Conferences		

ACCOUNT HISTORY

2021 ACTUAL	2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 58,113	\$ 69,000	\$ 49,000	\$ 81,000

ACCOUNT DESCRIPTION: Costs incurred by MGED in connection with the training and education of management and staff personnel.

EXPLANATION OF 2023 BUDGET PROJECTION

1 Commissioner Conferences	\$ 1,000
2 APPA/NEPPA Conferences:	
Mktg./Communications Workshop	6,000
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 Conferences	6,000
8 Tuition reimbursement program	30,000
9 Employee (CSR's) seminars and training	14,000
10 MEAM Conferences	4,000
11 IT/Cyber Training	2,000
12 mPower User Conference	7,000
Total	\$ 81,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	930610 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Membership Expense		

ACCOUNT HISTORY

2021 ACTUAL	2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 58,159	\$ 65,000	\$ 60,000	\$ 67,000

ACCOUNT DESCRIPTION: Costs incurred with utility participation in various association memberships.

EXPLANATION OF 2023 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	20,000
6 TVPPA membership dues	1,500
7 MEAM membership + Miscellaneous dues	7,000
Total	\$ 67,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	930810 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Miscellaneous General and Administrative Expenses		

ACCOUNT HISTORY

<u>2021</u> <u>ACTUAL</u>	<u>2022</u> <u>BUDGET</u>	<u>2022</u> <u>FORECAST</u>	<u>2023</u> <u>BUDGET</u>
\$ 33,389	\$ 40,000	\$ 33,000	\$ 43,000

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

EXPLANATION OF 2023 BUDGET PROJECTION

1 Clerk to the Board Salary (50% 920100 / 50% 930810)	\$ 35,000
2 Federal Express Charges	1,000
3 Water Cooler Rental	1,000
4 Subscriptions	2,000
5 Miscellaneous	4,000
Total	\$ 43,000

MIDDLEBOROUGH GAS AND ELECTRIC DEPARTMENT
 GENERAL AND ADMINISTRATIVE EXPENSE BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 BUSINESS DIVISION

G/L ACCOUNT:	931100 E/G	PREPARED BY:	K.N.
ACCOUNT TITLE:	Reimbursement for Municipal Services		

ACCOUNT HISTORY

2021 ACTUAL	2022 BUDGET	2022 FORECAST	2023 BUDGET
\$ 116,431	\$ 125,000	\$ 117,000	\$ 132,000

ACCOUNT

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

EXPLANATION OF 2023
 BUDGET PROJECTION

1 Estimate of reimbursement expenses for municipal services provided by the Town	\$ 120,000
2 MGED share of the Town's Audit fees	12,000
Total	\$ 132,000

Middleborough Gas and Electric Department
Capital Additions Budget Summary for Year Ending 12/31/2023

		Budget 2022	Forecast 2022	Budget 2023	B-2023 VS. B-2022
ELECTRIC DIVISION					
Transmission and Other Production Plant - Generator					
341100	Structures & Improvements-Solar Resources	\$ -	\$ -	\$ -	-
344100	Generators (Peak-Shaving Generator)	275,000	20,000	275,000	0.0%
350100	Land & Land Rights - Transmission	263,000	-	300,000	14.1%
352100	Structures & Improvements-Transmission	100,000	20,000	500,000	400.0%
353100	Station Equipment	85,000	128,000	65,000	-23.5%
355100	* Poles & Fixtures - Transmission	-	11,000	60,000	-
Total Other Production Plant - Generator		723,000	179,000	1,200,000	
Distribution Plant					
361100	Structures and Improvements-Distribution	100,000	-	500,000	400.0%
362100	* Station Equipment - Distribution	-	2,000	20,000	-
364100	Poles, Towers and Fixtures	236,000	100,000	238,500	1.1%
365100	Overhead Conductors & Devices	986,000	828,000	984,000	-0.2%
366100	Underground Conduit	18,000	4,000	18,000	-
367100	Underground Conductors & Devices	250,000	127,000	500,000	100.0%
368100	Line Transformers	232,000	141,000	492,000	112.1%
369100	Electric Services	109,000	103,000	117,000	7.3%
370100	Electric Meters	25,000	41,000	25,000	-
373100	Street Lighting & Signal Systems	21,000	29,000	24,000	14.3%
Total Distribution Plant		1,977,000	1,375,000	2,918,500	47.6%
General Plant					
360100	Land and Land Rights	88,000	3,000	100,000	13.6%
390100	Structures & Improvements	100,000	7,000	500,000	400.0%
391100	Office Furniture & Equipment	55,000	9,000	42,000	-23.6%
392100	Transportation Equipment	910,000	60,000	580,000	-36.3%
394100	Tools, Shop & Garage Equipment	54,000	15,000	45,000	-16.7%
395100	Laboratory Equipment	3,000	6,000	12,000	300.0%
396100	Power Operated Equipment	30,000	-	-	-100.0%
397100	Communications Equipment	70,000	-	70,000	0.0%
Total General Plant		1,310,000	100,000	1,349,000	3.0%
Total Electric Division		\$ 4,010,000	\$ 1,654,000	\$ 5,467,500	36.3%
GAS DIVISION					
Distribution Plant					
376200	Gas Mains - Distribution	\$ 135,000	\$ 290,000	\$ 252,000	86.7%
380200	Service Lines	214,000	150,000	170,000	-20.6%
381200	Gas Meters	238,000	105,000	67,000	-71.8%
Total Distribution Plant		587,000	545,000	489,000	-16.7%
General Plant					
304200	Land and Land Rights	-	-	-	-
390200	Structures & Improvements	357,000	80,000	1,075,000	201.1%
391200	Office Furniture & Equipment	149,000	134,000	130,000	-12.8%
392200	Transportation Equipment	109,000	66,000	145,000	33.0%
394200	Tools, Shop & Garage Equipment	16,000	3,000	16,000	0.0%
395200	Laboratory Equipment	18,000	21,000	12,000	-33.3%
396200	Power Operated Equipment	5,000	-	6,000	20.0%
397200	Communications Equipment	-	2,000	2,000	-
398200	Miscellaneous Equipment	87,000	46,000	102,000	17.2%
Total General Plant		741,000	352,000	1,488,000	100.8%
Total Gas Division		\$ 1,328,000	\$ 897,000	\$ 1,977,000	48.9%
BUSINESS DIVISION					
General Plant					
390100	Structures & Improvements	\$ 30,000	9,000	\$ 20,000	-33.3%
391100	Office Furniture & Equipment	325,000	88,000	295,000	-9.2%
392100	Transportation Equipment	-	-	-	-
Total Business Division		\$ 355,000	\$ 97,000	\$ 315,000	-11.3%
TOTAL CAPITAL ADDITIONS		\$ 5,693,000	\$ 2,648,000	\$ 7,759,500	36.3%

* New Accounts to the 2023 Budget

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	341100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Solar Resources		

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

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT
 CAPITAL ADDITIONS BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	344100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Generators		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Peak-Shaving Generation - steps & decking around door		\$ 15,000
Fiber Optic cable for SCADA control of generator communications/security (Carryover from 2022)		<u>260,000</u>
TOTAL EXPENDITURES		\$ 275,000

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT
 CAPITAL ADDITIONS BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	350100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Land & Land Rights - Transmission		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
New Sub-Station - land clearing, surveying, and environmental 75% in 350100 and 25% in 360100		\$ 300,000
TOTAL EXPENDITURES		<u>\$ 300,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	352100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Structures & Improvements - Transmission		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Wareham Street building design/planning 33% in 352100, 33% in 361100, and 33% in 390100		\$ 500,000
TOTAL EXPENDITURES		<u>\$ 500,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	353100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Station Equipment - Transmission		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Station Equipment - NERC compliance		\$ 45,000
National Grid Revenue Meter Replacement		<u>20,000</u>
TOTAL EXPENDITURES		<u><u>\$ 65,000</u></u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	355100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Poles & Fixtures - Transmission		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Transmission pole replacement		\$ 60,000
TOTAL EXPENDITURES		<u>\$ 60,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	360100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Land & Land Rights - Distribution		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
New Sub-Station - land clearing, surveying, and environmental 25% in 360100 and 75% in 350100		\$ 100,000
TOTAL EXPENDITURES		<u>\$ 100,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	361100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Structures & Improvements - Distribution		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Wareham Street building design/planning 33% in 361100, 33% in 352100, and 33% in 390100		\$ 500,000
TOTAL EXPENDITURES		<u>\$ 500,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	362100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Station Equipment - Distribution		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Switchboards, meters, and relays		\$ 20,000
TOTAL EXPENDITURES		<u>\$ 20,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT
 CAPITAL ADDITIONS BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	364100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Poles, Towers & Fixtures - Distribution		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	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	100,000
 TOTAL EXPENDITURES		 <u><u>\$ 238,500</u></u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT
 CAPITAL ADDITIONS BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	365100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Overhead Conductors & Devices - Distribution		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Primary conductor for upgrades, lateral lines & extensions	N/R	\$ 725,000
Secondary cable for secondary mains	N/R	10,000
Overhead switches	N/R	24,000
Reclosers		30,000
Hardware	N/R	30,000
Scada Communication System Upgrade 50% in 365100 and 50% in 397100	N/R	25,000
Payroll Labor Costs	R	140,000
 TOTAL EXPENDITURES		 \$ 984,000

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT
 CAPITAL ADDITIONS BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	366100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Underground Conduit & Devices - Distribution		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Conduit to replace direct buried cable	N	\$ 2,000
Payroll Labor Costs		16,000
TOTAL EXPENDITURES		\$ 18,000

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT
 CAPITAL ADDITIONS BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	367100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Underground Conductors & Devices - Distribution		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Cable and connectors for residential and commercial projects	N	\$ 110,000
Level 3 EV charging stations		250,000
Payroll Labor Costs		<u>140,000</u>
 TOTAL EXPENDITURES		 <u><u>\$ 500,000</u></u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	368100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Line Transformers		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
New aerial and padmount transformers for replacement and expansion	N/R	\$ 200,000
Capacitors and controls needed for power factor correction	N/R	12,000
Level 3 EV charging stations		250,000
Payroll Labor Costs		<u>30,000</u>
TOTAL EXPENDITURES		<u><u>\$ 492,000</u></u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT
 CAPITAL ADDITIONS BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	369100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Electric Services		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Aluminum service cable in #2 strand, #1/0 and #4/0 sizes for new and replacement installations.	N/R	\$ 28,000
Payroll Labor Costs		<u>89,000</u>
TOTAL EXPENDITURES		<u><u>\$ 117,000</u></u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	370100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Electric Meters		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	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
		<hr/>
TOTAL EXPENDITURES		<u>\$ 25,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT
 CAPITAL ADDITIONS BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	373100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Street Lighting & Signal Systems		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Light fixtures for rental and street lighting. These are LED fixtures in 48 watt 92 watt	N/R	\$ 13,000
Payroll Labor Costs		11,000
TOTAL EXPENDITURES		\$ 24,000

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	390100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Structures & Improvements - General Plant		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Wareham Street building design/planning 33% in 390100, 33% in 361100, and 33% in 352100	R	\$ 500,000
TOTAL EXPENDITURES		<u>\$ 500,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	391100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Office Furniture & Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Miscellaneous office equipment - Toughbook-PCs	N/R	\$ 15,000
Computer software	N/R	10,000
Mapping system / Workorder automation	N/R	10,000
MPOWER Server Upgrade	N/R	<u>7,000</u>
TOTAL EXPENDITURES		<u><u>\$ 42,000</u></u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	392100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Transportation Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Replacement for truck #4 bucket truck (Carryover from 2021)	R	\$ 260,000
Replace truck #5 bucket truck (Carryover from 2022)	R	270,000
1- SUV	N	50,000
TOTAL EXPENDITURES		<u>\$ 580,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	394100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Tools, Shop & Garage Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Miscellaneous tools and equipment, such as compression tools and fittings, hydraulic tools, etc.	N/R	\$ 45,000
TOTAL EXPENDITURES		<u>\$ 45,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	395100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Laboratory Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Test meters, instruments and equipment	N/R	\$ 12,000
TOTAL EXPENDITURES		\$ 12,000

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

ELECTRIC DIVISION

G/L ACCOUNT:	396100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Power Operated Equipment		

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

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT
 CAPITAL ADDITIONS BUDGET DETAIL
 FOR YEAR ENDING 12/31/2023
 ELECTRIC DIVISION

G/L ACCOUNT:	397100	PREPARED BY:	Z.R.H.
ACCOUNT TITLE:	Communication Equipment		

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

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

BUSINESS DIVISION

G/L ACCOUNT:	390100	PREPARED BY:	K.N.
ACCOUNT TITLE:	Structures & Improvements		

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

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

BUSINESS DIVISION

G/L ACCOUNT:	391100	PREPARED BY:	K.N.
ACCOUNT TITLE:	Office Furniture & Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Replace computer workstations	N/R	\$ 25,000
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/R	150,000
Phone System Upgrade	N/R	50,000
Total capital expenditures		<u>\$ 295,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

BUSINESS DIVISION

G/L ACCOUNT:	392100	PREPARED BY:	K.N.
ACCOUNT TITLE:	Transportation Equipment		

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

Middleborough Gas and Electric Department
Capital Additions Budget Summary for Year Ending 12/31/2023

	Budget 2022	Forecast 2022	Budget 2023	B-2023 VS. B-2022
GAS DIVISION				
<u>Distribution Plant</u>				
376200	\$ 135,000	290,000	\$ 252,000	86.7%
380200	214,000	150,000	170,000	-20.6%
381200	238,000	105,000	67,000	-71.8%
Total Distribution Plant				
	587,000	545,000	489,000	-16.7%
<u>General Plant</u>				
304200	-	-	-	
390200	357,000	80,000	1,075,000	201.1%
391200	149,000	134,000	130,000	-12.8%
392200	109,000	66,000	145,000	33.0%
394200	16,000	3,000	16,000	0.0%
395200	18,000	21,000	12,000	-33.3%
396200	5,000	-	6,000	20.0%
397200	-	2,000	2,000	0.0%
398200	87,000	46,000	102,000	17.2%
Total General Plant				
	741,000	352,000	1,488,000	100.8%
Total Gas Division				
	\$ 1,328,000	\$ 897,000	\$ 1,977,000	48.9%

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	376200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Gas Mains - Distribution		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
<u>Material & Supplies for Low-Pressure Cast-Iron and Bare Steel Main Replacement:</u>		
Pearl Street - Replace 1357' of 4" LP cast iron pipe with 2" IP HDPE pipe from Pierce St. to North St.	R	20,000
Spencer Street - Replace 314' of 6" LP Coated Steel pipe with 2" IP HDPE pipe from Benton St. to End of Spencer St	R	7,000
Webster Street - Replace 770' of 4" LP cast iron pipe with 2" IP HDPE pipe from Benton St. to South Main St. (176' of this pipe is within the Business Dist.)	R	16,000
Jackson Street - Replace 980' of 4" LP cast iron pipe with 4" & 2" IP HDPE pipe from North Main St. to End of Jackson St. All of this pipe is within the Business Dist.	R	17,000
Lincoln Street - Replace 252' of 4" LP cast iron pipe with 4" IP HDPE pipe from Jackson St. to 2 Lincoln St. Also, install 140' of 4" IP HDPE to connect to Wareham St. (All of this pipe is within the Business Dist.)	R	9,000
<u>Materials & Supplies for New Main Extensions</u>		
Lincoln Street - Install 80 ' of 4" IP HDPE pipe from 2 Lincoln St to Wareham St (All of this pipe is within the Business Dist.)	N	16,000
2" miscellaneous main extensions	N	9,000
Payroll Labor Cost for gas main replacements & extensions		126,000
Police Details		<u>32,000</u>
TOTAL EXPENDITURES		<u><u>\$ 252,000</u></u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	380200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Gas Service Lines		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Material for 65 service line replacements, due to main replacements on:		
Pearl Street 29 Service Lines	R	\$ 12,000
Spencer Street 4 Service Lines	R	5,000
Webster Street 14 Service Lines	R	8,000
Jackson Street 6 Service Lines	R	5,000
Lincoln Street 3 Service Lines	R	1,500
High St 9 service lines	R	3,000
Material for the installation of 1 new commercial & industrial service line	N	3,000
Material for the installation of 1 new gas service lines in Whitetail Estates off Chestnut Street	N	1,500
Material for the installation of 3 new gas service lines for John Perkins Way off Highland Street	N	4,000
Related Payroll Labor Costs		93,000
Police Details		34,000
TOTAL EXPENDITURES		<u>\$ 170,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	381200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Gas Meters		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Residential Gas Meter Replacements for 100 Meters (Carry over from 2022)	R	\$ 11,000
Gas meters and regulators for new commercial and industrial service lines	N/R	15,000
Gas meters and regulators for 4 new residential service lines for sub-divisions approved prior to moratorium	N	3,000
Residential Gas Meter Replacements for 100 Meters and 30 larger residential meters for cust. adding generators	R	27,000
Related Payroll Labor Costs		11,000
TOTAL EXPENDITURES		<u>\$ 67,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	304200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Land & Land Rights		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
		\$ -
TOTAL EXPENDITURES		\$ -

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	390200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Structures & Improvements		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	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 LNG relief valves	R	18,000
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 (carry over)	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. (carry over)	N	950,000
TOTAL EXPENDITURES		<u>\$ 1,075,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	391200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Office Furniture & Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	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	8,000
Mpower Mapping reporting system, workorder automation, Meter Tracking & misc. software enhancements, Gas Pilot Projects	N	85,000
Replace DDS SCADA Communication System (carry over)	R	25,000
TOTAL EXPENDITURES		<u><u>\$ 130,000</u></u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	392200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Transportation Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Replace Trk. 11, 2003 Chevy Pick-up 2500 (Truck has over 87,000 MI)	R	\$ 65,000
Replace Trk. 16, 2004 Ford Dump F-350 HD and snow plow (Truck has over 46,00 MI)	R	80,000
TOTAL EXPENDITURES		<u>\$ 145,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	394200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Tools, Shop & Garage Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	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)	R	8,000
TOTAL EXPENDITURES		<u>\$ 16,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	395200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Laboratory Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Equipment used for both construction and service departments (miscellaneous)	N/R	\$ 12,000
TOTAL EXPENDITURES		<u>\$ 12,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	396200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Power Operated Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Replace Hydraulic Water Pump (used to pump Regulator Station Vaults) (carry over)	R	\$ 6,000
TOTAL EXPENDITURES		<u>\$ 6,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	397200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Communication Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Replace Truck 16 or 11 Radio		\$ 2,000
TOTAL EXPENDITURES		<u>\$ 2,000</u>

MIDDLEBOROUGH GAS & ELECTRIC DEPARTMENT

CAPITAL ADDITIONS BUDGET DETAIL

FOR YEAR ENDING 12/31/2023

GAS DIVISION

G/L ACCOUNT:	398200	PREPARED BY:	RCL/DKH
ACCOUNT TITLE:	Miscellaneous Equipment		

ITEM AND REASON FOR EXPENDITURE	(N) New (R) Replace	BUDGET
Upgrade the NJEX odorizer at South Middleborough gate station. The existing controller was inst. in 1998 and upgraded in 2011. The manufacturer may not support the old system much longer.	R	\$ 75,000
Jordon Controller - Middleborough Regulator Station (Taunton St). This existing controller was installed in 2015.	R	27,000
TOTAL EXPENDITURES		<u>\$ 102,000</u>