

# **PHILADELPHIA GAS WORKS**

**AMENDED  
FISCAL 2016 CAPITAL BUDGET  
AND  
FORECAST FISCAL 2017 - 2021**

**WITH  
FISCAL 2016 FINANCING PLAN**

**May 11, 2015**



PHILADELPHIA GAS WORKS

PROPOSED  
CAPITAL BUDGET

FISCAL YEAR 2016 AND FORECAST 2017 THROUGH 2021

	<u>2016 CAPITAL BUDGET</u>	<u>2017 - 2021 FORECAST</u>	<u>TOTAL 6 YEARS</u>
<u>GAS PROCESSING</u>			
ADDITIONS	324,000	3,233,000	3,557,000
REPLACEMENTS	<u>5,582,000</u>	<u>20,571,000</u>	<u>26,153,000</u>
TOTAL	<u>5,906,000</u>	<u>23,804,000</u>	<u>29,710,000</u>
<u>DISTRIBUTION</u>			
ADDITIONS	10,300,000	54,378,000	64,678,000
REPLACEMENTS	<u>80,420,000</u>	<u>411,436,000</u>	<u>491,856,000</u>
GROSS TOTAL	90,720,000	465,814,000	556,534,000
LESS: SALVAGE			
LESS: CONTRIBUTIONS*			
LESS: REIMBURSEMENTS**	<u>(8,299,000)</u>		<u>(8,299,000)</u>
NET TOTAL	<u>82,421,000</u>	<u>465,814,000</u>	<u>548,235,000</u>
<u>FIELD SERVICES</u>			
ADDITIONS	1,745,000	9,378,000	11,123,000
REPLACEMENTS	<u>4,960,000</u>	<u>26,305,000</u>	<u>31,265,000</u>
GROSS TOTAL	6,705,000	35,683,000	42,388,000
LESS: SALVAGE			
LESS: CONTRIBUTIONS*			
NET TOTAL	<u>6,705,000</u>	<u>35,683,000</u>	<u>42,388,000</u>
<u>FLEET OPERATIONS</u>			
ADDITIONS	750,000		750,000
REPLACEMENTS	<u>7,412,000</u>	<u>16,268,000</u>	<u>23,680,000</u>
GROSS TOTAL	8,162,000	16,268,000	24,430,000
LESS: SALVAGE			
NET TOTAL	<u>8,162,000</u>	<u>16,268,000</u>	<u>24,430,000</u>

PHILADELPHIA GAS WORKS

PROPOSED  
CAPITAL BUDGET

FISCAL YEAR 2016 AND FORECAST 2017 THROUGH 2021

	<u>2016 CAPITAL BUDGET</u>	<u>2017 - 2021 FORECAST</u>	<u>TOTAL 6 YEARS</u>
<u>OTHER DEPARTMENTS</u>			
ADDITIONS	4,733,000	1,910,000	6,643,000
REPLACEMENTS	<u>6,885,000</u>	<u>14,221,000</u>	<u>21,106,000</u>
TOTAL	<u>11,618,000</u>	<u>16,131,000</u>	<u>27,749,000</u>
<u>TOTAL</u>			
ADDITIONS	17,852,000	68,899,000	86,751,000
REPLACEMENTS	<u>105,259,000</u>	<u>488,801,000</u>	<u>594,060,000</u>
GROSS TOTAL	123,111,000	557,700,000	680,811,000
LESS: SALVAGE			
LESS: REIMBURSEMENTS**	(8,299,000)		(8,299,000)
LESS: CONTRIBUTIONS*			
NET TOTAL	<u>114,812,000</u>	<u>557,700,000</u>	<u>672,512,000</u>

\* CONTRIBUTIONS ARE POTENTIAL CUSTOMER CONTRIBUTIONS

\*\* REIMBURSEMENT TO PGW FOR RELOCATING STRUCTURES & EQUIPMENT AND/OR LOAD GROWTH

PHILADELPHIA GAS WORKS  
PROPOSED CAPITAL BUDGET  
BUDGET/FORECAST COMPARISON

<u>DEPARTMENT</u>	<u>2015 BUDGET</u>	<u>2016 FORECAST</u>	<u>2016 BUDGET</u>	<u>2016 vs 2015 BUDGET</u>		<u>2016 vs FORECAST</u>	
				<u>AMOUNT DIFFERENCE</u>	<u>PERCENT DIFFERENCE</u>	<u>AMOUNT DIFFERENCE</u>	<u>PERCENT DIFFERENCE</u>
<u>GAS PROCESSING</u>							
ADDITIONS	495,000	52,823,000	324,000	(171,000)	-34.5%	(52,499,000)	-99.4%
REPLACEMENTS	<u>3,226,000</u>	<u>6,298,000</u>	<u>5,582,000</u>	<u>2,356,000</u>	<u>73.0%</u>	<u>(716,000)</u>	<u>-11.4%</u>
TOTAL GAS PROCESSING	3,721,000	59,121,000	5,906,000	2,185,000	58.7%	(53,215,000)	-90.0%
<u>DISTRIBUTION</u>							
ADDITIONS	10,796,000	11,060,000	10,300,000	(496,000)	-4.6%	(760,000)	-6.9%
REPLACEMENTS	<u>60,941,000</u>	<u>68,700,000</u>	<u>80,420,000</u>	<u>19,479,000</u>	<u>32.0%</u>	<u>11,720,000</u>	<u>17.1%</u>
GROSS TOTAL DISTRIBUTION	71,737,000	79,760,000	90,720,000	18,983,000	26.5%	10,960,000	13.7%
LESS SALVAGE					N/A		N/A
LESS CONTRIBUTIONS*					N/A		N/A
LESS REIMBURSEMENT**	<u>(1,022,000)</u>	<u>(2,287,000)</u>	<u>(8,299,000)</u>	<u>(7,277,000)</u>	<u>7.12.0%</u>	<u>(6,012,000)</u>	<u>262.9%</u>
NET TOTAL DISTRIBUTION	70,715,000	77,473,000	82,421,000	11,706,000	16.6%	4,948,000	6.4%
<u>FIELD SERVICES</u>							
ADDITIONS	1,854,000	1,932,000	1,745,000	(109,000)	-5.9%	(187,000)	-9.7%
REPLACEMENTS	<u>4,724,700</u>	<u>5,031,000</u>	<u>4,960,000</u>	<u>235,300</u>	<u>5.0%</u>	<u>(71,000)</u>	<u>-1.4%</u>
GROSS TOTAL FIELD SERVICES	6,578,700	6,963,000	6,705,000	126,300	1.9%	(258,000)	-3.7%
LESS SALVAGE					N/A		N/A
LESS CONTRIBUTIONS*					N/A		N/A
NET TOTAL FIELD SERVICES	6,578,700	6,963,000	6,705,000	126,300	1.9%	(258,000)	-3.7%

**PHILADELPHIA GAS WORKS**  
**PROPOSED CAPITAL BUDGET**  
**BUDGET/FORECAST COMPARISON**

DEPARTMENT	2015 BUDGET	2016 FORECAST	2016 BUDGET	2016 vs 2015 BUDGET		2016 vs FORECAST	
				AMOUNT DIFFERENCE	PERCENT DIFFERENCE	AMOUNT DIFFERENCE	PERCENT DIFFERENCE
<b>FLEET OPERATIONS</b>							
ADDITIONS			750,000	750,000	N/A	750,000	N/A
REPLACEMENTS	3,141,000	4,271,000	7,412,000	4,271,000	136.0%	3,141,000	73.5%
GROSS TOTAL FLEET OPERATIONS	3,141,000	4,271,000	8,162,000	5,021,000	159.9%	3,891,000	91.1%
LESS: SALVAGE					N/A		N/A
NET TOTAL TRANSPORTATION	3,141,000	4,271,000	8,162,000	5,021,000	159.9%	3,891,000	91.1%
<b>OTHER</b>							
ADDITIONS	474,000	276,000	4,733,000	4,259,000	898.5%	4,457,000	1614.9%
REPLACEMENTS	3,801,000	14,820,000	6,885,000	3,084,000	81.1%	(7,935,000)	-53.5%
TOTAL OTHER	4,275,000	15,096,000	11,618,000	7,343,000	171.8%	(3,478,000)	-23.0%
<b>TOTAL</b>							
ADDITIONS	13,619,000	66,091,000	17,852,000	4,233,000	31.1%	(48,239,000)	-73.0%
REPLACEMENTS	75,833,700	97,499,000	105,259,000	29,425,300	38.8%	7,760,000	8.0%
GROSS TOTAL	89,452,700	163,590,000	123,111,000	33,658,300	37.6%	(40,479,000)	-24.7%
LESS: SALVAGE					N/A		N/A
LESS: REIMBURSEMENT**	(1,022,000)	(2,287,000)	(8,299,000)	(7,277,000)	712.0%	(6,012,000)	262.9%
LESS: CONTRIBUTIONS*					N/A		N/A
NET TOTAL	88,430,700	161,303,000	114,812,000	26,381,300	29.8%	(46,491,000)	-28.8%

\* CONTRIBUTIONS ARE POTENTIAL CUSTOMER CONTRIBUTIONS

\*\* REIMBURSEMENT TO PGW FOR RELOCATING STRUCTURES & EQUIPMENT AND/OR LOAD GROWTH

PHILADELPHIA GAS WORKS  
 FISCAL YEAR 2016 CAPITAL BUDGET  
 SUMMARY ESTIMATE OF ENCUMBRANCE AND EXPENDITURE

<u>FISCAL YEAR</u>	<u>ADDITIONS</u>		<u>REPLACEMENTS</u>		<u>TOTAL</u>	
	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>
CURRENT BUDGET	17,852,000	17,217,000	105,259,000	88,706,000	123,111,000	105,923,000
YEAR 1		635,000		15,803,000		16,438,000
YEAR 2						
YEAR 3						
YEAR 4 AND BEYOND						
<b>TOTAL</b>	<b>17,852,000</b>	<b>17,852,000</b>	<b>105,259,000</b>	<b>104,509,000</b>	<b>123,111,000</b>	<b>122,361,000</b>

GAS PROCESSING DEPARTMENT  
FISCAL YEAR 2016 CAPITAL BUDGET  
SUMMARY

<u>CATEGORY</u>	<u>ADDITIONS</u>	<u>REPLACEMENTS</u>	<u>COST OF REMOVAL</u>	<u>TOTAL</u>
53-01 NATURAL GAS MEASUREMENT AND CONTROL FACILITIES				
53-02 SUPPLEMENTAL GAS FACILITIES	220,000	3,731,000		3,951,000
53-03 BUILDING AND GROUNDS		1,482,000		1,482,000
53-04 MISC CAPITAL REQUIREMENTS	104,000	369,000		473,000
<b>TOTAL GAS PROCESSING</b>	<b><u>324,000</u></b>	<b><u>5,582,000</u></b>		<b><u>5,906,000</u></b>

GAS PROCESSING DEPARTMENT  
FISCAL YEAR 2016  
BUDGET/FORECAST COMPARISON

CATEGORY	2015 BUDGET	2016 FORECAST	2016 BUDGET	2016 vs 2015 BUDGET		2016 vs FORECAST	
				\$ DIFFERENCE	% DIFF.	\$ DIFFERENCE	% DIFF.
53-01 NATURAL GAS							
ADDITIONS		0	0	0	N/A	0	N/A
MEASUREMENT AND CONTROL FACILITIES							
REPLACEMENTS	<u>1,784,000</u>	0	0	<u>(1,784,000)</u>	<u>-100.0%</u>	0	<u>N/A</u>
TOTAL	1,784,000	0	0	(1,784,000)	-100.0%	0	N/A
53-02 SUPPLEMENTAL GAS FACILITIES							
ADDITIONS	332,000	52,698,000	220,000	(112,000)	-33.7%	(52,478,000)	-99.6%
REPLACEMENTS	<u>1,093,000</u>	<u>4,826,000</u>	<u>3,731,000</u>	<u>2,638,000</u>	<u>241.4%</u>	<u>(1,095,000)</u>	<u>-22.7%</u>
TOTAL	1,425,000	57,524,000	3,951,000	2,526,000	177.3%	(53,573,000)	-93.1%
53-03 BUILDING AND GROUNDS							
ADDITIONS	0	0	0	0	N/A	0	N/A
REPLACEMENTS	0	<u>1,114,000</u>	<u>1,482,000</u>	<u>1,482,000</u>	<u>N/A</u>	<u>368,000</u>	<u>33.0%</u>
TOTAL	0	1,114,000	1,482,000	1,482,000	N/A	368,000	33.0%
53-04 MISC CAPITAL REQUIREMENTS							
ADDITIONS	163,000	125,000	104,000	(59,000)	-36.2%	(21,000)	-16.8%
REPLACEMENTS	<u>349,000</u>	<u>358,000</u>	<u>369,000</u>	<u>20,000</u>	<u>5.7%</u>	<u>11,000</u>	<u>3.1%</u>
TOTAL	512,000	483,000	473,000	(39,000)	-7.6%	(10,000)	-2.1%
TOTAL GAS PROCESSING	<u>3,721,000</u>	<u>59,121,000</u>	<u>5,906,000</u>	<u>2,185,000</u>	<u>58.7%</u>	<u>(53,215,000)</u>	<u>-90.0%</u>



GAS PROCESSING DEPARTMENT  
FISCAL YEAR 2016 CAPITAL BUDGET

P			<u>AMOUNT</u>
	<u>GP-2</u>	<u>SUPPLEMENTAL GAS FACILITIES</u>	
1	53-02-1-01	INSTALL DUPLEX STRAINER FOR GLYCOLBOILOFF SYSTEM	163,000
1	53-02-1-02	INSTALL AIR COMPLESSORS OUTSIDE MACHINE SHOP	57,000
1	53-02-2-1	REPLACE H-1 HEATER - RICHMOND	2,474,000
1	53-02-2-2	REPLACE FOAM WATER PIPING ON LNG TANKS	451,000
1	53-02-2-3	REPLACE FIRE SYSTEM ON C-5RB BOILOFF COMPRESSOR	806,000
		TOTAL GP-2	<u>3,951,000</u>
	<u>GP-3</u>	<u>BUILDING &amp; GROUNDS</u>	
1	53-03-2-01	REPLACE LNG TANK ELEVATOR	1,482,000
		TOTAL GP-3	<u>1,482,000</u>
	<u>GP-4</u>	<u>MISCELLANEOUS CAPITAL REQUIREMENTS</u>	
1	53-04-1-01	MISCELLANEOUS CAPITAL ADDITIONS	104,000
1	53-04-2-01	MISCELLANEOUS CAPITAL REPLACEMENTS	369,000
		TOTAL GP-4	<u>473,000</u>
		TOTAL GAS PROCESSING DEPARTMENT	<u>5,906,000</u>

GAS PROCESSING DEPARTMENT

LISTING BY PRIORITY

FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>	<u>CATEGORY</u>	<u>AMOUNT</u>	<u>BUDGET YR</u>	<u>YEAR 1</u>	<u>YEAR 2</u>	<u>YEAR 3</u>	<u>YEAR 4 +</u>
	<u>PRIORITY 1</u>						
1	GP-2 53-02-1-01 INSTALL DUPLEX STRAINER FOR GLYCOLBOILOFF SYSTEM	163,000	26,000	137,000			
1	GP-2 53-02-1-02 INSTALL AIR COMPRESSORS OUTSIDE MACHINE SHOP	57,000	57,000				
1	GP-2 53-02-2-1 REPLACE H-1 HEATER - RICHMOND	2,474,000	594,000	1,880,000			
1	GP-2 53-02-2-2 REPLACE FOAM WATER PIPING ON LNG TANKS	451,000	338,000	113,000			
1	GP-2 53-02-2-3 REPLACE FIRE SYSTEM ON C-5RB BOILOFF COMPRESSOR	806,000	363,000	443,000			
1	GP-3 53-03-2-01 REPLACE LNG TANK ELEVATOR	1,482,000	741,000	741,000			
1	GP-4 53-04-1-01 MISCELLANEOUS CAPITAL ADDITIONS	104,000	104,000				
1	GP-4 53-04-2-01 MISCELLANEOUS CAPITAL REPLACEMENTS	369,000	369,000				

TOTAL GAS PROCESSING DEPARTMENT: 5,906,000      2,592,000      3,314,000

PHILADELPHIA GAS WORKS  
 FISCAL YEAR 2016 CAPITAL BUDGET  
 GAS PROCESSING DEPARTMENT ESTIMATE OF ENCUMBRANCE AND EXPENDITURE

<u>FISCAL YEAR</u>	<u>ADDITIONS</u>		<u>REPLACEMENTS</u>		<u>TOTAL</u>	
	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>
CURRENT BUDGET	324,000	187,000	5,582,000	2,405,000	5,906,000	2,592,000
YEAR 1		137,000		3,177,000		3,314,000
YEAR 2						
YEAR 3						
YEAR 4 AND BEYOND						
<b>TOTAL</b>	<b>324,000</b>	<b>324,000</b>	<b>5,582,000</b>	<b>5,582,000</b>	<b>5,906,000</b>	<b>5,906,000</b>

DISTRIBUTION DEPARTMENT  
FISCAL YEAR 2016 CAPITAL BUDGET  
SUMMARY

<u>CATEGORY</u>	<u>ADDITIONS</u>	<u>REPLACEMENTS</u>	<u>GROSS TOTAL</u>	<u>REIMBURSEMENT**</u>	<u>CONTRIBUTIONS*</u>	<u>SALV.</u>	<u>NET TOTAL</u>
52-20 GAS MAINS - HIGH PRESSURE (WITH ASSOCIATED VALVES AND REGULATORS)	1,132,000	16,972,000	18,104,000				18,104,000
52-21 GAS MAINS - LOW AND INTERMEDIATE PRESSURE - 8 INCH AND SMALLER	2,068,000	29,644,000	31,712,000	(1,967,000)			29,745,000
52-22 GAS MAINS - LOW AND INTERMEDIATE PRESSURE - 12 INCH AND LARGER	7,000	8,544,000	8,551,000	(6,332,000)			2,219,000
52-23 CUST MTR & REG INSTALL. PRESSURE REGULATION & CORROSION CONTROL FACILITIES	602,000	1,006,000	1,608,000				1,608,000
52-24 SERVICES	6,280,000	21,978,000	28,258,000				28,258,000
52-29 OTHER DISTRIBUTION FACILITIES	211,000	2,276,000	2,487,000				2,487,000
52-99 COST OF REMOVAL AND ABANDONMENT  SALVAGE							
<b>TOTAL DISTRIBUTION</b>	<b>10,300,000</b>	<b>80,420,000</b>	<b>90,720,000</b>	<b>(8,299,000)</b>			<b>82,421,000</b>

\* CONTRIBUTIONS ARE POTENTIAL CUSTOMER CONTRIBUTIONS

\*\* REIMBURSEMENT TO PGW FOR RELOCATING STRUCTURES & EQUIPMENT AND/OR LOAD GROWTH

**DISTRIBUTION DEPARTMENT**  
**FISCAL YEAR 2016**  
**BUDGET/FORECAST COMPARISON**

CATEGORY	2015 BUDGET	2016 FORECAST	2016 BUDGET	2016 vs 2015 BUDGET		2016 vs FORECAST	
				\$ DIFFERENCE	% DIFF.	\$ DIFFERENCE	% DIFF.
52-20 GAS MAINS - HIGH ADDITIONS	1,133,000	1,160,000	1,132,000	(1,000)	-0.1%	(28,000)	-2.4%
52-20 PRESSURE (WITH REPLACEMENTS ASSOCIATED VALVES AND REGULATORS) TOTAL	15,457,000	20,745,000	16,972,000	1,515,000	9.8%	(3,773,000)	-18.2%
52-21 GAS MAINS - LOW ADDITIONS	2,195,000	2,248,000	2,068,000	(127,000)	-5.8%	(180,000)	-8.0%
52-21 AND INTERMEDIATE REPLACEMENTS PRESSURE - 8 INCH AND SMALLER TOTAL	22,195,000	22,727,000	29,644,000	7,449,000	33.6%	6,917,000	30.4%
52-22 GAS MAINS - LOW ADDITIONS	5,000	5,000	7,000	2,000	40.0%	2,000	40.0%
52-22 AND INTERMEDIATE REPLACEMENTS PRESSURE - 12 INCH AND LARGER TOTAL	1,362,000	2,776,000	8,544,000	7,182,000	527.3%	5,768,000	207.8%
52-23 CUST MTR & REG INST ADDITIONS	562,000	575,000	602,000	40,000	7.1%	27,000	4.7%
52-23 PRESSURE REGULATION AND CORROSION CONTROL FACILITIES TOTAL	1,309,000	704,000	1,006,000	(303,000)	-23.1%	302,000	42.9%
52-24 SERVICES ADDITIONS	6,847,000	7,011,000	6,280,000	(567,000)	-8.3%	(731,000)	-10.4%
52-24 SERVICES REPLACEMENTS TOTAL	18,886,000	18,828,000	21,978,000	3,092,000	16.4%	3,150,000	16.7%
52-29 OTHER DISTRIBUTION FACILITIES ADDITIONS	54,000	61,000	211,000	157,000	290.7%	150,000	245.9%
52-29 OTHER DISTRIBUTION FACILITIES REPLACEMENTS TOTAL	1,732,000	1,170,000	2,276,000	544,000	31.4%	1,106,000	94.5%
GROSS TOTAL DISTRIBUTION	71,737,000	79,760,000	90,720,000	18,983,000	26.5%	12,710,000	15.9%
52-99 COST OF REMOVAL AND ABANDONMENT	0	0	0	0	N/A	0	N/A
52-99 LESS SALVAGE	0	0	0	0	N/A	0	N/A
52-99 LESS CONTRIBUTIONS*	0	0	0	0	N/A	0	N/A
52-99 LESS REIMBURSEMENT**	(1,022,000)	(2,287,000)	(8,299,000)	(7,277,000)	712.0%	(6,012,000)	262.9%
NET TOTAL DISTRIBUTION	70,715,000	77,473,000	82,421,000	11,706,000	16.6%	6,698,000	8.6%

\* DISTRIBUTION DEPARTMENT CONTRIBUTIONS ARE POTENTIAL CUSTOMER CONTRIBUTIONS  
\*\* REIMBURSEMENT TO PGW FOR RELOCATING STRUCTURES & EQUIPMENT AND/OR LOAD GROWTH

DISTRIBUTION DEPARTMENT  
FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>		<u>AMOUNT</u>	<u>FEET UNITS</u>
<u>D-20</u>	<u>GAS MAINS - HIGH PRESSURE (WITH ASSOCIATED VALVES AND REGULATORS)</u>		
4	52-20-1-01 INSTALLATIONS TO PROVIDE FOR AHEAD-OF-PAVING AND EXTENSIONS TO SUPPLY ADDITIONAL LOADS	1,132,000	
3	52-20-2-01 ENFORCED RELOCATIONS CAUSED BY CITY AND STATE WORK	1,542,000	2,850
1	52-20-2-02 INCREMENTAL REPLACEMENT OF 12" HP CAST IRON MAIN	7,981,000	17,424
1	52-20-2-03 INCREMENTAL REPLACEMENT OF 30" HP CAST IRON AND OTHER LARGE DIAMETER MAIN	7,449,000	7,566
	GROSS TOTAL D-20	18,104,000	
52-20-2-97	LESS: REIMBURSEMENT**		
	LESS: POTENTIAL CUSTOMER CONTRIBUTIONS		
	NET TOTAL D-20	18,104,000	
<u>D-21</u>	<u>GAS MAINS - LOW AND INTERMEDIATE PRESSURE - 8 INCH AND SMALLER</u>		
4	52-21-1-01 LOCAL MAINS TO SUPPLY NEW HOUSES AND TO PROVIDE FOR INCREASED CAPACITY	2,068,000	
3	52-21-2-01 ENFORCED RELOCATIONS CAUSED BY CITY, STATE AND OTHER WORK AND ENLARGEMENTS THAT MAY BE REQUIRED TO MAINTAIN SYSTEM PRESSURE	5,294,000	24,345
1	52-21-2-02 PRUDENT MAIN REPLACEMENTS	14,454,000	75,037
5	52-21-2-03 LONG TERM INFRASTRUCTURE PLAN - ACCELERATED CAST IRON	4,396,000	22,810
1	52-21-2-04 LONG TERM INFRASTRUCTURE PLAN - INCREMENTAL CAST IRON	5,500,000	
	GROSS TOTAL D-21	31,712,000	
52-21-2-97	LESS: REIMBURSEMENT**	(1,967,000)	
	NET TOTAL D-21	29,745,000	

DISTRIBUTION DEPARTMENT  
FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>		<u>AMOUNT</u>	<u>FEET UNITS</u>
	<u>D-22</u> <u>GAS MAINS - LOW AND INTERMEDIATE PRESSURE - 12 INCH AND LARGER</u>		
4	52-22-1-01 TO SUPPLY NEW CUSTOMERS AND TO PROVIDE FOR INSTALLATION OF MAINS AHEAD-OF-PAVING	7,000	
3	52-22-2-01 ENFORCED RELOCATIONS CAUSED BY CITY, STATE AND OTHER WORK, AND NECESSARY REPLACEMENTS	1,094,000	394
3	52-22-2-02 MAIN FOR MAJOR ENFORCED RELOCATIONS: I-95 RECONSTRUCTION	7,450,000	
	GROSS TOTAL D-22	8,551,000	
	LESS: REIMBURSEMENT**	(6,332,000)	
	NET TOTAL D-22	2,219,000	
	<u>D-23</u> <u>CUSTOMER METERING &amp; REGULATOR INSTALLATION, AND PRESSURE REGULATION &amp; CORROSION CONTROL FACILITIES (NOT INCLUDED IN D-20 OR D-22)</u>		
4	52-23-1-01 CUSTOMER METERING AND REGULATOR INSTALLATION	602,000	
1	52-23-2-01 REPLACEMENT/REHABILITATION OF HIGH PRESSURE MAIN VALVES	620,000	
2	52-23-2-02 REPLACEMENT OF VARIOUS PRESSURE REGULATING AND CORROSION CONTROL FACILITIES	386,000	
	GROSS TOTAL D-23	1,608,000	
	LESS: REIMBURSEMENT**		
	LESS: POTENTIAL CUSTOMER CONTRIBUTIONS*		
	NET TOTAL D-23	1,608,000	

DISTRIBUTION DEPARTMENT  
FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>	<u>D-24</u>	<u>SERVICES</u>	<u>AMOUNT</u>	<u>FEET UNITS</u>
4	52-24-1-01	INSTALLATION OF NEW 1-1/4" AND SMALLER SERVICES, HIGH, INTERMEDIATE AND LOW PRESSURE	4,019,000	
4	52-24-1-02	INSTALLATION OF NEW 2 INCH AND LARGER SERVICES TO SUPPLY NEW LOAD	2,261,000	
1	52-24-2-01	RENEWAL OF 1-1/4" AND SMALLER SERVICES FOR PRUDENT REASONS, AS A RESULT OF LEAK SURVEYS, CUSTOMER COMPLAINTS OR CITY AND STATE WORK	19,110,000	7,885
1	52-24-2-02	RENEWAL OF 2" AND LARGER SERVICES RESULTING FROM LEAKS OR OTHER REASONS	1,033,000	135
1	52-24-2-03	RENEWAL OF 1-1/4" AND SMALLER INCREMENTAL CAST IRON MAIN	1,835,000	
		GROSS TOTAL D-24	28,258,000	
		LESS: REIMBURSEMENT**		
		NET TOTAL D-24	28,258,000	
	<u>D-29</u>	<u>OTHER DISTRIBUTION FACILITIES</u>		
5	52-29-1-01	ADDITIONAL TOOLS AND WORK EQUIPMENT	11,000	
2	52-29-2-01	REPLACEMENT OF OBSOLETE TOOLS, RADIOS, AND WORK EQUIPMENT	1,479,000	
1	52-29-2-02	ENTERPRISE ASSET MANAGEMENT SOLUTION	200,000	
5	52-29-2-03	PRESSURE FORCE PAPER CHART UPGRADE PROJECT	797,000	
		NET TOTAL D-29	2,487,000	
1	52-99-2-99	REMOVAL AND ABANDONMENTS		
		GROSS TOTAL DISTRIBUTION DEPARTMENT	90,720,000	
		LESS: REIMBURSEMENT**	(8,299,000)	
		LESS: POTENTIAL CUSTOMER CONTRIBUTIONS*		
		LESS: SALVAGE		
52-98-2-98		NET TOTAL DISTRIBUTION DEPARTMENT	82,421,000	

\* DISTRIBUTION DEPARTMENT CONTRIBUTIONS ARE POTENTIAL CUSTOMER CONTRIBUTIONS

\*\* REIMBURSEMENT TO PGW FOR RELOCATING STRUCTURES & EQUIPMENT AND/OR LOAD GROWTH



DISTRIBUTION DEPARTMENT  
LISTING BY PRIORITY

FISCAL YEAR 2016 CAPITAL BUDGET

P.	CATEGORY	DESCRIPTION	AMOUNT	FEET UNITS	BUDGET_YR	YEAR_1	YEAR_2	YEAR_3	YEAR_4+
		<b>PRIORITY 1</b>							
1	D-20	INCREMENTAL REPLACEMENT OF 12" HP CAST IRON MAIN	7,981,000	17,424	7,981,000				
1	D-20	INCREMENTAL REPLACEMENT OF 30" HP CAST IRON AND OTHER LARGE DIAMETER MAIN	7,449,000	7,566	1,800,000	5,649,000			
1	D-21	PRUDENT MAIN REPLACEMENTS	14,454,000	75,037	12,904,000	1,550,000			
1	D-21	LONG TERM INFRASTRUCTURE PLAN - INCREMENTAL CAST IRON	5,500,000		5,500,000				
1	D-23	REPLACEMENT OF HIGH PRESSURE MAIN VALVES	620,000		620,000				
1	D-24	RENEWAL OF 1-1/4" AND SMALLER SERVICES FOR PRUDENT REASONS, AS A RESULT OF LEAK SURVEYS, CUSTOMER COMPLAINTS OR CITY AND STATE WORK	19,110,000	7,885	19,110,000				
1	D-24	RENEWAL OF 2" AND LARGER SERVICES RESULTING FROM LEAKS OR OTHER REASONS	1,033,000	135	1,033,000				
1	D-24	RENEWAL OF 1-1/4" AND SMALLER SERVICE-INCREMENTAL CAST IRON MAIN	1,835,000		1,835,000				
1	D-29	ENTERPRISE ASSET MANAGEMENT SOLUTION	200,000		200,000				
		<b>PRIORITY 2</b>							
2	D-23	REPLACEMENT OF VARIOUS PRESSURE REGULATING AND CORROSION CONTROL FACILITIES	386,000		386,000				
2	D-29	REPLACEMENT OF OBSOLETE TOOLS, RADIOS AND WORK EQUIPMENT	1,479,000		1,479,000				

DISTRIBUTION DEPARTMENT

LISTING BY PRIORITY

FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>	<u>CATEGORY</u>	<u>AMOUNT</u>	<u>FEET UNITS</u>	<u>BUDGET_YR</u>	<u>YEAR_1</u>	<u>YEAR_2</u>	<u>YEAR_3</u>	<u>YEAR_4+</u>	
	<u>PRIORITY 3</u>								
3	0-20	52-20-2-01	ENFORCED RELOCATIONS CAUSED BY CITY AND STATE WORK	1,542,000	2,850	1,291,000	251,000		
3	D-21	52-21-2-01	ENFORCED RELOCATIONS CAUSED BY CITY, STATE AND OTHER WORK AND ENLARGEMENTS THAT MAY BE REQUIRED TO MAINTAIN SYSTEM PRESSURE	5,294,000	24,345	4,044,000	1,250,000		
3	D-22	52-22-2-02	MAIN FOR MAJOR ENFORCED RELOCATIONS: 1-95 RECONSTRUCTION	7,450,000		6,200,000	1,250,000		
3	D-22	52-22-2-01	ENFORCED RELOCATIONS CAUSED BY CITY, STATE AND OTHER WORK, AND NECESSARY REPLACEMENTS	1,094,000	394	1,094,000			
	<u>PRIORITY 4</u>								
4	D-20	52-20-1-01	INSTALLATIONS TO PROVIDE FOR AHEAD-OF-PAVING AND EXTENSIONS TO SUPPLY ADDITIONAL LOADS	1,132,000		1,132,000			
4	D-21	52-21-1-01	LOCAL MAINS TO SUPPLY NEW HOUSES AND TO PROVIDE FOR INCREASED CAPACITY	2,068,000		2,068,000			
4	D-22	52-22-1-01	TO SUPPLY NEW CUSTOMERS AND TO PROVIDE FOR INSTALLATION OF MAINS AHEAD-OF-PAVING	7,000		7,000			
4	D-23	52-23-1-01	CUSTOMER METERING AND REGULATOR INSTALLATION	602,000		602,000			
4	D-24	52-24-1-01	INSTALLATION OF NEW 1-1/4" AND SMALLER SERVICES, HIGH, INTERMEDIATE AND LOW PRESSURE	4,019,000		4,019,000			
4	D-24	52-24-1-02	INSTALLATION OF NEW 2 INCH AND LARGER SERVICES TO SUPPLY NEW LOAD	2,261,000		2,261,000			
	<u>PRIORITY 5</u>								
5	D-21	52-21-2-03	LONG TERM INFRASTRUCTURE PLAN - ACCELERATED CAST IRON	4,396,000	22,810	4,396,000			
5	D-29	52-29-1-01	ADDITIONAL TOOLS AND WORK EQUIPMENT	11,000		11,000			
5	D-29	52-29-2-03	PRESSURE FORCE PAPER CHART UPGRADE PROJECT	797,000		412,000	385,000		
	<u>TOTAL DISTRIBUTION DEPARTMENT</u>								
				90,720,000		80,385,000	10,335,000	0	

PHILADELPHIA GAS WORKS  
 FISCAL YEAR 2016 CAPITAL BUDGET  
 DISTRIBUTION DEPARTMENT ESTIMATE OF ENCUMBRANCE AND EXPENDITURE

FISCAL YEAR	ADDITIONS		REPLACEMENTS		TOTAL	
	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>
CURRENT BUDGET	10,300,000	10,300,000	80,420,000	70,085,000	90,720,000	80,385,000
YEAR 1				10,335,000		10,335,000
YEAR 2						
YEAR 3						
YEAR 4 AND BEYOND						
TOTAL	<u>10,300,000</u>	<u>10,300,000</u>	<u>80,420,000</u>	<u>80,420,000</u>	<u>90,720,000</u>	<u>90,720,000</u>

FIELD SERVICES DEPARTMENT  
FISCAL YEAR 2016 CAPITAL BUDGET  
SUMMARY

<u>CATEGORY</u>	<u>ADDITIONS</u>	<u>REPLACEMENTS</u>	<u>TOTAL</u>
50-30 METERS & INSTALLATION	1,431,000	2,374,000	3,805,000
50-32 SERVICE REGULATORS AND INSTALLATION	56,000	23,000	79,000
50-33 COMMERCIAL & INDUSTRIAL TELEMETERING SYSTEMS	118,000	166,000	284,000
50-34 METER SHOP EQUIPMENT		65,000	65,000
50-35 SERVICE SECTION EQUIPMENT			
50-36 AUTOMATIC METER READING	140,000	2,332,000	2,472,000
50-99 COST OF REMOVAL			
GROSS TOTAL FIELD SERVICES	1,745,000	4,960,000	6,705,000
LESS: SALVAGE			
LESS: CONTRIBUTIONS*			
NET TOTAL FIELD SERVICES	<u>1,745,000</u>	<u>4,960,000</u>	<u>6,705,000</u>

\* FIELD SERVICES DEPARTMENT CONTRIBUTIONS ARE POTENTIAL CUSTOMER CONTRIBUTIONS

FIELD SERVICES DEPARTMENT  
FISCAL YEAR 2016  
BUDGET/FORECAST COMPARISON

CATEGORY		2015 BUDGET	2016 FORECAST	2016 BUDGET	2016 vs 2015 BUDGET		2016 vs FORECAST	
					\$	%	\$	%
					DIFFERENCE	DIFF.	DIFFERENCE	DIFF.
50-30 METERS	ADDITIONS	1,562,000	1,631,000	1,431,000	(131,000)	-8.4%	(200,000)	-12.3%
	REPLACEMENTS	<u>2,093,000</u>	<u>2,427,000</u>	<u>2,374,000</u>	<u>281,000</u>	<u>13.4%</u>	<u>(53,000)</u>	<u>-2.2%</u>
	TOTAL	3,655,000	4,058,000	3,805,000	150,000	4.1%	(253,000)	-6.2%
50-32 SERVICE REGULATORS AND INSTALLATIONS	ADDITIONS	65,000	56,000	56,000	(9,000)	-13.8%	0	0.0%
	REPLACEMENTS	<u>56,000</u>	<u>41,000</u>	<u>23,000</u>	<u>(33,000)</u>	<u>-58.9%</u>	<u>(18,000)</u>	<u>-43.9%</u>
	TOTAL	121,000	97,000	79,000	(42,000)	-34.7%	(18,000)	-18.6%
50-33 TELEMETERING AND INSTALLATIONS	ADDITIONS	92,000	94,000	118,000	26,000	28.3%	24,000	25.5%
	REPLACEMENTS	<u>132,000</u>	<u>135,000</u>	<u>166,000</u>	<u>34,000</u>	<u>25.8%</u>	<u>31,000</u>	<u>23.0%</u>
	TOTAL	224,000	229,000	284,000	60,000	26.8%	55,000	24.0%
50-34 METER SHOP EQUIPMENT	ADDITIONS	0	0	0	0	N/A	0	N/A
	REPLACEMENTS	<u>237,000</u>	<u>0</u>	<u>65,000</u>	<u>(172,000)</u>	<u>-72.6%</u>	<u>65,000</u>	<u>N/A</u>
	TOTAL	237,000	0	65,000	(172,000)	-72.6%	65,000	N/A
50-35 SERVICE SECTION EQUIPMENT	ADDITIONS	0	0	0	0	N/A	0	N/A
	REPLACEMENTS	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N/A</u>	<u>0</u>	<u>N/A</u>
	TOTAL	0	0	0	0	N/A	0	N/A
50-36 AUTOMATIC METER READING	ADDITIONS	135,000	151,000	140,000	5,000	3.7%	(11,000)	-7.3%
	REPLACEMENTS	<u>2,206,700</u>	<u>2,428,000</u>	<u>2,332,000</u>	<u>125,300</u>	<u>5.7%</u>	<u>(96,000)</u>	<u>-4.0%</u>
	TOTAL	2,341,700	2,579,000	2,472,000	130,300	5.6%	(107,000)	-4.1%
50-99 COST OF REMOVAL		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N/A</u>	<u>0</u>	<u>N/A</u>
GROSS TOTAL FIELD SERVICES		6,578,700	6,963,000	6,705,000	126,300	1.9%	(258,000)	-3.7%
LESS: SALVAGE		0	0	0	0	N/A	0	N/A
LESS: CONTRIBUTIONS*		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N/A</u>	<u>0</u>	<u>N/A</u>
NET TOTAL FIELD SERVICES		<u>6,578,700</u>	<u>6,963,000</u>	<u>6,705,000</u>	<u>126,300</u>	<u>1.9%</u>	<u>(258,000)</u>	<u>-3.7%</u>

\* FIELD SERVICES DEPARTMENT CONTRIBUTIONS ARE POTENTIAL CUSTOMER CONTRIBUTIONS

FIELD SERVICES DEPARTMENT  
FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>			<u>AMOUNT</u>
	<u>C-30</u>	<u>METERS</u>	
4	50-30-1-01	PURCHASE AND INSTALLATION OF METERS TO PROVIDE FOR NEW CUSTOMERS	1,431,000
2	50-30-2-01	PURCHASE METERS TO SUPPORT AUTOMATIC METER READING	<u>2,374,000</u>
		TOTAL C-30	<u><u>3,805,000</u></u>
	<u>C-32</u>	<u>SERVICE REGULATORS</u>	
4	50-32-1-01	PURCHASE AND INSTALLATION OF SERVICE REGULATORS	56,000
1	50-32-2-01	PURCHASE VARIOUS SIZE SERVICE REGULATORS	<u>23,000</u>
		TOTAL C-32	<u><u>79,000</u></u>
	<u>C-33</u>	<u>COMMERCIAL &amp; INDUSTRIAL TELEMETERING SYSTEMS</u>	
5	50-33-1-01	PURCHASE AND INSTALLATION OF EQUIPMENT AND INSTRUMENTATION	118,000
1	50-33-2-01	REPLACE BPS METSCAN AND LBS METRETEK UNITS, EQUIPMENT AND INSTRUMENTATION	166,000
		TOTAL C-33	<u><u>284,000</u></u>
	<u>C-34</u>	<u>METER SHOP EQUIPMENT</u>	
5	50-34-2-01	REPLACEMENT OF OBSOLETE SHOP EQUIPMENT, HAND-HELD TOOLS AND SOFTWARE PACKAGE USED FOR AMR	65,000
		TOTAL C-34	<u><u>65,000</u></u>

FIELD SERVICES DEPARTMENT  
FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>	<u>C-36</u>	<u>AUTOMATIC METER READING</u>	<u>AMOUNT</u>
5	50-36-1-01	PURCHASE AND INSTALLATION OF ERT DEVICES FOR AMR	140,000
5	50-36-2-01	REPLACE AMR DEVICES WHERE BATTERIES FAILED	<u>2,332,000</u>
		TOTAL C-36	<u><u>2,472,000</u></u>
1	50-99-2-99	COST OF REMOVAL	<u><u>                    </u></u>
		GROSS TOTAL FIELD SERVICES DEPARTMENT	6,705,000
	50-98-2-98	LESS: ESTIMATED SALVAGE	
		LESS: CONTRIBUTIONS*	
		NET TOTAL FIELD SERVICES DEPARTMENT	<u><u>6,705,000</u></u>

FIELD SERVICES DEPARTMENT

LISTING BY PRIORITY

FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>	<u>CATEGORY</u>	<u>AMOUNT</u>	<u>BUDGET YR</u>	<u>YEAR 1</u>	<u>YEAR 2</u>	<u>YEAR 3</u>	<u>YEAR 4 +</u>
	<u>PRIORITY 1</u>						
1	50-32-2-01 PURCHASE VARIOUS SIZE SERVICE REGULATORS	23,000	23,000				
1	50-33-2-01 REPLACE BPS METSCAN AND LBS METRETEK UNITS, EQUIPMENT AND INSTRUMENTATION	166,000	166,000				
	<u>PRIORITY 2</u>						
1	50-30-2-01 PURCHASE METERS TO SUPPORT AUTOMATIC METER READING	2,374,000	2,374,000				
	<u>PRIORITY 4</u>						
4	50-30-1-01 PURCHASE AND INSTALLATION OF METERS TO PROVIDE FOR NEW CUSTOMERS	1,431,000	1,431,000				
4	50-32-1-01 PURCHASE AND INSTALLATION OF SERVICE REGULATORS	56,000	56,000				
	<u>PRIORITY 5</u>						
5	50-33-1-01 PURCHASE AND INSTALLATION OF EQUIPMENT AND INSTRUMENTATION	118,000	118,000				
5	50-34-2-01 REPLACEMENT OF OBSOLETE SHOP EQUIPMENT, HAND-HELD TOOLS AND SOFTWARE PACKAGE USED FOR AMR	65,000	65,000				
5	50-36-1-01 PURCHASE AND INSTALLATION OF ERT DEVICES FOR AMR	140,000	140,000				
5	50-36-2-01 REPLACE AMR DEVICES WHERE BATTERIES FAILED	2,332,000	2,332,000				
TOTAL FIELD SERVICES DEPARTMENT:		6,705,000	6,705,000	0	0	0	0



PHILADELPHIA GAS WORKS  
 FISCAL YEAR 2016 CAPITAL BUDGET  
 FIELD SERVICES DEPARTMENT ESTIMATE OF ENCUMBRANCE AND EXPENDITURE

<u>FISCAL YEAR</u>	<u>ADDITIONS</u>		<u>REPLACEMENTS</u>		<u>TOTAL</u>	
	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>
CURRENT BUDGET	1,745,000	1,745,000	4,960,000	4,960,000	6,705,000	6,705,000
YEAR 1						
YEAR 2						
YEAR 3						
YEAR 4 AND BEYOND						
<b>TOTAL</b>	<b>1,745,000</b>	<b>1,745,000</b>	<b>4,960,000</b>	<b>4,960,000</b>	<b>6,705,000</b>	<b>6,705,000</b>

FLEET OPERATIONS DEPARTMENT

FISCAL YEAR 2016

BUDGET/FORECAST COMPARISON

<u>CATEGORY</u>	<u>2015 BUDGET</u>	<u>2016 FORECAST</u>	<u>2016 BUDGET</u>	<u>2016 vs 2015 BUDGET</u>		<u>2016 vs FORECAST</u>	
				<u>\$ DIFFERENCE</u>	<u>% DIFF.</u>	<u>\$ DIFFERENCE</u>	<u>% DIFF.</u>
73-01-2-01 SHOP EQUIPMENT REPLACEMENTS	17,000	0	0	(17,000)	-100.0%	0	N/A
73-01-2-02 MOBILE EQUIPMENT REPLACEMENTS	487,000	211,000	1,533,000	1,046,000	214.8%	1,322,000	626.5%
73-01-1-01 VEHICLE ADDITIONS TO SUPPORT CAST IRON MAIN REPLACEMENT			632,000				
73-01-1-02 MOBILE EQUIPMENT RELACEMENTS TO SUPPORT CAST IRON MAIN REPLACEMENT			118,000				
73-01-1-03 VEHICLE ADDITIONS	0	0	0	0	N/A	0	N/A
73-01-2-03 VEHICLE REPLACEMENTS	2,637,000	4,060,000	5,879,000	3,242,000	122.9%	1,819,000	44.8%
<b>GROSS TOTAL FLEET OPERATIONS</b>	<b>3,141,000</b>	<b>4,271,000</b>	<b>8,162,000</b>	<b>5,021,000</b>	<b>159.9%</b>	<b>3,891,000</b>	<b>91.1%</b>
<b>LESS SALVAGE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>
<b>NET TOTAL FLEET OPERATIONS</b>	<b>3,141,000</b>	<b>4,271,000</b>	<b>8,162,000</b>	<b>5,021,000</b>	<b>159.9%</b>	<b>3,891,000</b>	<b>91.1%</b>

FLEET OPERATIONS DEPARTMENT  
FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>			<u>AMOUNT</u>
2	73-01-1-01	ACQUIRE ADD'TL VEHICLES TO SUPPORT INCREMENTAL CAST IRON MAIN REPLACEMENT	632,000
2	73-01-1-02	MOBILE EQUIPMENT ADDITIONS TO SUPPORT CAST IRON MAIN REPLACEMENT	118,000
2	73-01-2-02	MOBILE EQUIPMENT REPLACEMENTS	1,533,000
2	73-01-2-03	VEHICLE REPLACEMENTS	5,879,000
		GROSS TOTAL FLEET OPERATIONS	8,162,000
	73-98-2-98	LESS: SALVAGE	
		NET TOTAL FLEET OPERATIONS	8,162,000

FLEET OPERATIONS DEPARTMENT

LISTING BY PRIORITY

FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>	<u>CATEGORY</u>	<u>AMOUNT</u>	<u>BUDGET YR</u>	<u>YEAR 1</u>	<u>YEAR 2</u>	<u>YEAR 3</u>	<u>YEAR 4 +</u>
	<u>PRIORITY 2</u>						
2	73-01-2-01 ACQUIRE ADD'TL VEHICLES TO SUPPORT CAST IRON MAIN REPL	5,879,000	3,588,000	2,291,000			
2	73-01-1-02 ACQUIRE ADD'TL MOBILE EQUIP TO SUPPORT CAST IRON MAIN REPL	118,000	118,000				
2	73-01-2-02 MOBILE EQUIPMENT REPLACEMENTS	1,533,000	1,533,000				
2	73-01-2-01 ACQUIRE ADD'TL VEHICLES TO SUPPORT CAST IRON MAIN REPL	632,000	134,000	498,000			
	<u>TOTAL FLEET OPERATIONS DEPARTMENT:</u>	<u>8,162,000</u>	<u>5,373,000</u>	<u>2,789,000</u>			

PHILADELPHIA GAS WORKS  
 FISCAL YEAR 2016 CAPITAL BUDGET  
 FLEET OPERATIONS DEPARTMENT ESTIMATE OF ENCUMBRANCE AND EXPENDITURE

<u>FISCAL YEAR</u>	<u>ADDITIONS</u>		<u>REPLACEMENTS</u>		<u>TOTAL</u>	
	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>
CURRENT BUDGET	750,000	252,000	7,412,000	5,121,000	8,162,000	5,373,000
YEAR 1		498,000		2,291,000		2,789,000
YEAR 2						
YEAR 3						
YEAR 4 AND BEYOND						
<b>TOTAL</b>	<b>750,000</b>	<b>750,000</b>	<b>7,412,000</b>	<b>7,412,000</b>	<b>8,162,000</b>	<b>8,162,000</b>

OTHER DEPARTMENTS  
FISCAL YEAR 2016 CAPITAL BUDGET  
SUMMARY

<u>CATEGORY</u>	<u>ADDITIONS</u>	<u>REPLACEMENTS</u>	<u>TOTAL</u>
FACILITIES	134,000	2,605,000	2,739,000
INFORMATION SERVICES	227,000	2,737,000	2,964,000
CHIEF OPERATING OFFICER		750,000	750,000
VP TECHNICAL COMPLIANCE	3,407,000		3,407,000
CHEM SERVICES		8,000	8,000
VP REGULATORY COMPLIANCE & CUST PROGRAMS	965,000		965,000
GAS MANAGEMENT FY 2014 REAUTHORIZATIONS		785,000	785,000
 TOTAL OTHER DEPARTMENTS	 <u>4,733,000</u>	 <u>6,885,000</u>	 <u>11,618,000</u>

OTHER DEPARTMENTS  
FISCAL YEAR 2016  
BUDGET/FORECAST COMPARISON

CATEGORY		2015	2016	2016	2016 vs 2015 BUDGET		2016 vs FORECAST	
		BUDGET	FORECAST	BUDGET	\$	%	\$	%
					DIFFERENCE	DIFF.	DIFFERENCE	DIFF.
FACILITIES	ADDITIONS	137,000	140,000	134,000	(3,000)	-2.2%	(6,000)	-4.3%
	REPLACEMENTS	<u>2,479,000</u>	<u>12,995,000</u>	<u>2,805,000</u>	<u>126,000</u>	<u>5.1%</u>	<u>(10,390,000)</u>	<u>-80.0%</u>
	TOTAL	2,616,000	13,135,000	2,739,000	123,000	4.7%	(10,396,000)	-79.1%
INFORMATION SERVICES	ADDITIONS	133,000	636,000	227,000	94,000	70.7%	(409,000)	-64.3%
	REPLACEMENTS	<u>561,000</u>	<u>575,000</u>	<u>2,737,000</u>	<u>2,176,000</u>	<u>397.9%</u>	<u>2,162,000</u>	<u>376.0%</u>
	TOTAL	694,000	1,211,000	2,964,000	2,270,000	327.1%	1,753,000	144.8%
CHIEF OPERATING OFFICER	ADDITIONS	0	0	0	0	N/A	0	N/A
	REPLACEMENTS	<u>750,000</u>	<u>750,000</u>	<u>750,000</u>	<u>0</u>	<u>0.0%</u>	<u>0</u>	<u>0.0%</u>
	TOTAL	750,000	750,000	750,000	0	0.0%	0	0.0%
VP TECHNICAL COMPLIANCE	ADDITIONS		0	3,407,000	3,407,000	N/A	3,407,000	N/A
	REPLACEMENTS	0	0	0	0	N/A	0	N/A
	TOTAL	0	0	3,407,000	3,407,000	N/A	3,407,000	N/A
VP REGULATORY COMPLIANCE & CUSTOMER PROGRAMS	ADDITIONS		0	965,000	965,000	N/A	965,000	N/A
	REPLACEMENTS		0	0	0	N/A	0	N/A
	TOTAL	0	0	965,000	965,000	N/A	965,000	N/A
CHEM SERVICES	ADDITIONS	204,000	0	0	<u>(204,000)</u>	<u>-100.0%</u>	965,000	N/A
	REPLACEMENTS	<u>11,000</u>	0	<u>8,000</u>	<u>(3,000)</u>	<u>-27.3%</u>	<u>8,000</u>	<u>N/A</u>
	TOTAL	215,000	0	8,000	(207,000)	-96.3%	973,000	N/A
<u>GAS MANAGEMENT FY 2014 REAUTHORIZATIONS</u>								
	ADDITIONS							
	REPLACEMENTS			785,000				
	TOTAL			785,000				
TOTAL OTHER DEPARTMENTS		<u>4,275,000</u>	<u>15,096,000</u>	<u>11,618,000</u>	<u>6,558,000</u>	<u>153.4%</u>	<u>(3,298,000)</u>	<u>-21.8%</u>

OTHER DEPARTMENTS  
FISCAL YEAR 2016 CAPITAL BUDGET

P		<u>FACILITIES</u>	<u>AMOUNT</u>
1	72-01-1-01	MISCELLANEOUS CAPITAL ADDITIONS	125,000
1	72-01-1-02	MISCELLANEOUS CAPITAL ADDITIONS - GAS PROCESSING	9,000
1	72-01-2-01	MISCELLANEOUS CAPITAL REPLACEMENTS/STRUCTURAL REPAIRS	376,000
1	72-01-2-02	MISCELLANEOUS CAPITAL REPLACEMENTS - GAS PROCESSING	45,000
1	72-01-2-03	MISC CAPITAL REPL - STRUCTURAL REPAIRS - GAS PROCESSING	57,000
2	72-01-2-04	REPLACE HVAC SYSTEM COMPONENTS - 800	786,000
1	72-01-2-05	REPLACE CARPETS - ALL LOCATIONS	165,000
2	72-01-2-06	REPLACE MODULAR FURNITURE - 800	195,000
2	72-01-2-07	REPLACE HVAC COMPONENTS - 1800	173,000
2	72-01-2-08	REPLACE SWITCHGEAR - 1800	113,000
2	72-01-2-09	REPLACE OBSOLETE INTERIOR LIGHTING - 800	352,000
2	72-01-2-10	REPLACE 800 CM3 BAS	214,000
2	72-01-2-11	REPLACE SPLINE CEILING 800-1	129,000
TOTAL FACILITIES			<u><u>2,739,000</u></u>



OTHER DEPARTMENTS  
FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>			<u>AMOUNT</u>
		<u>INFORMATION SERVICES</u>	
2	47-01-1-01	MISCELLANEOUS SERVER & NETWORK ADDITIONS	57,000
2	47-01-1-02	MISCELLANEOUS SOFTWARE ADDITIONS	170,000
2	47-01-2-03	REPLACEMENT SAN STORAGE	227,000
2	47-01-2-07	MISCELLANEOUS SOFTWARE REPLACEMENTS	50,000
2	47-01-2-05	SERVER & NETWORK HARDWARE REPLACEMENTS	177,000
2	47-01-2-04	DESKTOP VIRTUALIZATION PHASE 2	283,000
2	47-01-2-06	UPGRADE TIPPING POINT	200,000
		<u>FY 2014 REAUTHORIZATION</u>	
	47-01-2-04	Replace PBX w/Voice Over IP Phone System	1,800,000
		TOTAL INFORMATION SERVICES	<u>2,964,000</u>
		<u>CHEMICAL SERVICES</u>	
1	31-01-2-01	CHEM LAB INSTRUMENTATION REPLACEMENT	<u>8,000</u>
		TOTAL CHEMICAL SERVICES	<u>8,000</u>
		<u>CHIEF OPERATING OFFICER</u>	
1	13-01-2-01	CONDITIONAL FUNDING FOR CAPITAL NEEDS RELATED TO SAFETY	250,000
2	13-01-2-02	COND FUND FOR CAPITAL NEEDS - RELIABILITY OF SERVICE	250,000
4	13-01-2-03	COND FUND FOR CAPITAL NEEDS - COST-JUSTIFIED LOAD GROWTH	<u>250,000</u>
		TOTAL CHIEF OPERATING OFFICER	<u>750,000</u>

OTHER DEPARTMENTS  
FISCAL YEAR 2016 CAPITAL BUDGET

		<u>AMOUNT</u>
<u>VP REGULATORY COMPLIANCE &amp; CUSTOMER PROGRAMS</u>		
10-01-1-01	AUTOMATION OF CRP PROCESS	607,000
10-01-1-02	STREAMLINE CREDIT DENIAL PROCESS	60,000
10-01-1-04	KIOSK FOR CUSTOMER SERVICE CENTERS	156,000
10-01-1-03	EXPANSION OF BILL ANALYZER	42,000
10-01-1-05	CONTINUED DEVELOPMENT OF ENERGYSense DATABASE	100,000
<u>FY 2014 REAUTHORIZATION</u>		
10-01-1-01	CONSOLIDATED BILLING & PURCHASE OF RECEIVABLES	21,000
TOTAL VP REGULATORY COMPLIANCE & CUSTOMER PROGRAMS		<u>986,000</u>
<u>VP TECHNICAL COMPLIANCE</u>		
38-01-1-01	BIOSPARGE AND SOIL VAPOR EXTRACTION SYSTEM	2,739,000
38-01-1-01	SPARGE CURTAIN & SOIL VAPOR EXTRACTION PASSYUNK/PORTER	647,000
TOTAL VP TECHNICAL COMPLIANCE		3,386,000
<u>GAS MANAGEMENT</u>		
<u>FY 2014 REAUTHORIZATION</u>		
09-01-2-01	SCADA Upgrade with Control Room & Alarm Management	267,000
57-01-2-01	Replace Gas Management System & Supplier Choice Software	518,000
TOTAL GAS MANAGEMENT		<u>785,000</u>
TOTAL OTHER DEPARTMENTS		<u>11,618,000</u>

**FACILITIES**  
**FISCAL YEAR 2016**  
**BUDGET/FORECAST COMPARISON**

CATEGORY	2015 BUDGET	2016 FORECAST	2016 BUDGET	2016 vs 2015 BUDGET		2016 vs FORECAST	
				\$ DIFFERENCE	% DIFF	\$ DIFFERENCE	% DIFF
72-01-1-01 MISC CAPITAL ADDITIONS	129,000	132,000	125,000	(4,000)	-3.1%	(7,000)	-5.3%
72-01-1-02 MISC CAPITAL ADDITIONS-GAS PROC	8,000	8,000	9,000	1,000	12.5%	1,000	12.5%
72-01-2-01 MISC CAPITAL REPL & STRUCTURAL	325,000	333,000	376,000	51,000	15.7%	43,000	12.9%
72-01-2-02 MISC CAPITAL REPL - GAS PROC	45,000	48,000	45,000	0	0.0%	(3,000)	-6.3%
72-01-2-03 MISC CAPITAL REPLACEMENTS - STRUCTURAL - GAS PROCESSING	58,000	59,000	57,000	(1,000)	-1.7%	(2,000)	-3.4%
72-01-2-04 REPLACE HVAC SYSTEM - 800	188,000	256,000	786,000	598,000	318.1%	530,000	207.0%
72-01-2-05 REPLACE CARPETS - ALL LOCATIONS	152,000	156,000	165,000	13,000	8.6%	9,000	5.8%
72-01-2-06 REPLACE MODULAR FURNITURE - 800	105,000	195,000	195,000	90,000	85.7%	0	0.0%
72-01-2-07 REPLACE HVAC COMPONENTS - 1800	167,000	0	173,000	6,000	3.6%	173,000	N/A
72-01-2-08 REPLACE SWITCHGEAR - 1800	55,000	0	113,000	58,000	105.5%	113,000	N/A
72-01-2-09 REPL OBSOLETE LIGHTING - 800	117,000	131,000	352,000	235,000	200.9%	221,000	168.7%
72-01-2-10 REPL 800 CM3 BAS	65,000	0	214,000	149,000	229.2%	214,000	N/A
72-01-2-11 REPL SPINE CEILING 800-1	123,000	0	129,000	6,000	4.9%	129,000	N/A
72-01-2-12 INCREMENTAL REPL OF WINDOWS	82,000	0	0	(82,000)	-100.0%	0	N/A
72-01-2-13 REPL ROOF ON DIST TRAINING GARAGE	72,000	0	0	(72,000)	-100.0%	0	N/A
72-01-2-14 REPL HVAC OUTLYING STATION	125,000	0	0	(125,000)	-100.0%	0	N/A
72-01-2-15 REPL/UPGRADE 800 AUTO SYSTEM	270,000	250,000	0	(270,000)	-100.0%	(250,000)	-100.0%
72-01-2-16 REPLACE 800 COOLING TOWER	330,000	0	0	(330,000)	-100.0%	0	N/A
72-01-2-17 REPLACE SPLINE CEILING 800-1	80,000	0	0	(80,000)	-100.0%	0	N/A
72-01-2-18 404210 BLDG ROOF REPL RICHMOND	120,000	0	0	(120,000)	-100.0%	0	N/A
TOTAL FACILITIES	<u>2,616,000</u>	<u>1,568,000</u>	<u>2,739,000</u>	<u>123,000</u>	<u>4.7%</u>	<u>1,171,000</u>	<u>74.7%</u>

OTHER DEPARTMENTS

LISTING BY PRIORITY

FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>	<u>CATEGORY</u>	<u>AMOUNT</u>	<u>BUDGET YR</u>	<u>YEAR 1</u>	<u>YEAR 2</u>	<u>YEAR 3</u>	<u>YEAR 4 +</u>
	<u>PRIORITY 1</u>						
1	13-01-2-01 <u>CONDITIONAL FUNDING FOR CAPITAL NEEDS RELATED TO SAFETY</u>	250,000					
1	38-01-1-01 <u>CHEM LAB INSTRUMENTATION &amp; SUPPORT</u>	2,739,000	2,739,000				
1	31-01-2-01 <u>CHEM LAB INSTRUMENTATION REPLACEMENT</u>	8,000	8,000				
1	72-01-1-01 <u>MISCELLANEOUS CAPITAL ADDITIONS</u>	125,000	125,000				
1	72-01-1-02 <u>MISCELLANEOUS CAPITAL ADDITIONS - GAS PROCESSING</u>	9,000	9,000				
1	72-01-2-01 <u>MISCELLANEOUS CAPITAL REPLACEMENTS/STRUCTURAL REPAIRS</u>	376,000	376,000				
1	72-01-2-02 <u>MISCELLANEOUS CAPITAL REPLACEMENTS - GAS PROCESSING</u>	45,000	45,000				
1	72-01-2-03 <u>MISC CAPITAL REPL - STRUCTURAL REPAIRS - GAS PROCESSING</u>	57,000	57,000				
1	72-01-2-05 <u>REPLACE CARPETS - ALL LOCATIONS</u>	165,000	165,000				
	<u>FY 2014 REAUTHORIZATION</u>						
1	38-01-1-01 <u>SPARGE CURTAIN &amp; SOIL VAPOR EXTRACTION PASSYUNK/PORTER</u>	647,000	647,000				

OTHER DEPARTMENTS  
LISTING BY PRIORITY  
FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>	<u>CATEGORY</u>	<u>AMOUNT</u>	<u>BUDGET_YR</u>	<u>YEAR_1</u>	<u>YEAR_2</u>	<u>YEAR_3</u>	<u>YEAR_4+</u>
<u>PRIORITY 2</u>							
2	47-01-1-01 MISCELLANEOUS SERVER & NETWORK ADDITIONS	57,000	57,000				
2	47-01-1-02 MISCELLANEOUS SOFTWARE ADDITIONS	170,000	170,000				
2	47-01-2-03 REPLACEMENT SAN STORAGE	227,000	227,000				
2	47-01-2-07 MISCELLANEOUS SOFTWARE REPLACEMENTS	50,000	50,000				
2	47-01-2-05 SERVER & NETWORK HARDWARE REPLACEMENTS	177,000	177,000				
2	47-01-2-04 DESKTOP VIRTUALIZATION PHASE 2	283,000	283,000				
2	47-01-2-06 UPGRADE TIPPING POINT	200,000	200,000				
2	13-01-2-02 COND FUND FOR CAPITAL NEEDS - RELIABILITY OF SERVICE TO SAFI	250,000	250,000				
2	72-01-2-04 REPLACE HVAC SYSTEM COMPONENTS - 800	786,000	786,000				
2	72-01-2-06 REPLACE MODULAR FURNITURE - 800	195,000	195,000				
2	72-01-2-07 REPLACE HVAC COMPONENTS - 1800	173,000	173,000				
2	72-01-2-08 REPLACE SWITCHGEAR - 1800	113,000	113,000				
2	72-01-2-09 REPLACE 800 OBSOLETE INTERIOR LIGHTING	352,000	352,000				
2	72-01-2-10 REPLACE 800 CM3 BAS	214,000	214,000				
2	72-01-2-11 REPLACE SPLINE CEILING 800-1	129,000	129,000				
<u>PRIORITY 4</u>							
4	13-01-2-03 COND FUND FOR CAPITAL NEEDS - COST-JUSTIFIED LOAD GROWTH	250,000	250,000				

OTHER DEPARTMENTS

LISTING BY PRIORITY

FISCAL YEAR 2016 CAPITAL BUDGET

<u>P</u>	<u>CATEGORY</u>	<u>AMOUNT</u>	<u>BUDGET YR</u>	<u>YEAR 1</u>	<u>YEAR 2</u>	<u>YEAR 3</u>	<u>YEAR 4 +</u>
	<u>PRIORITY 5</u>						
5	10-01-1-01 AUTOMATION OF CRP PROCESS	607,000	607,000				
5	10-01-1-02 STREAMLINE CREDIT DENIAL PROCESS	60,000	60,000				
5	10-01-1-03 BILL ANALYZER PRODUCT	42,000	42,000				
5	10-01-1-04 KIOSK FOR CUSTOMER SERVICE CENTERS	156,000	156,000				
5	10-01-1-05 ENERGYSENSE REPORTS	100,000	100,000				
	<u>FY 2014 REAUTHORIZATION</u>						
5	47-01-2-04 REPLACE PBX W/VOICE OVER IP PHONE SYSTEM	1,800,000	1,800,000				
5	09-01-2-01 SCADA UPGRADE W/CONTROL ROOM & ALARM MANAGEMENT	267,000	267,000				
5	57-01-2-01 REPLACE GAS MGMT SYSTEM & SUPPLIER CHOICE SOFTWARE	518,000	518,000				
	10-01-1-01 CONSOLIDATED BILLING & PURCHASE OF RECEIVABLES	21,000	21,000				
	TOTAL OTHER DEPARTMENTS:	11,618,000	10,868,000				

PHILADELPHIA GAS WORKS  
 FISCAL YEAR 2016 CAPITAL BUDGET  
 OTHER DEPARTMENTS ESTIMATE OF ENCUMBRANCE AND EXPENDITURE

<u>FISCAL YEAR</u>	<u>ADDITIONS</u>		<u>REPLACEMENTS</u>		<u>TOTAL</u>	
	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>	<u>ENCUMBERED</u>	<u>EXPENDED</u>
CURRENT BUDGET	4,733,000	4,733,000	6,885,000	6,135,000	11,618,000	10,868,000
YEAR 1						
YEAR 2						
YEAR 3						
YEAR 4 AND BEYOND						
<b>TOTAL</b>	<b>4,733,000</b>	<b>4,733,000</b>	<b>6,885,000</b>	<b>6,135,000</b>	<b>11,618,000</b>	<b>10,868,000</b>

**FIVE YEAR FORECAST**



PHILADELPHIA GAS WORKS

FISCAL YEAR 2016 AND FORECAST 2017 THROUGH 2021

<u>DEPARTMENT</u>	<u>2016 CAPITAL BUDGET</u>	<u>FORECAST</u>				<u>TOTAL 6 YEARS</u>
		<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	
<u>GAS PROCESSING</u>						
ADDITIONS	324,000	489,000	2,408,000	110,000	112,000	3,557,000
REPLACEMENTS	5,582,000	7,453,000	5,033,000	3,589,000	2,145,000	26,153,000
TOTAL GAS PROCESSING	5,906,000	7,942,000	7,441,000	3,699,000	2,257,000	29,710,000
ACQUIRE ASSETS LEASE	5,906,000	7,942,000	7,441,000	3,699,000	2,257,000	29,710,000
<u>DISTRIBUTION</u>						
ADDITIONS	10,300,000	10,429,000	10,648,000	10,871,000	11,098,000	64,678,000
REPLACEMENTS	80,420,000	79,819,000	84,108,000	82,514,000	81,968,000	491,856,000
GROSS TOTAL DISTRIBUTION	90,720,000	90,248,000	94,756,000	93,385,000	93,066,000	556,534,000
LESS: SALVAGE						
LESS: CONTRIBUTIONS*						
LESS: REIMBURSEMENT**						
NET TOTAL DISTRIBUTION	90,720,000	90,248,000	94,756,000	93,385,000	93,066,000	556,534,000
ACQUIRE ASSETS LEASE	90,720,000	90,248,000	94,756,000	93,385,000	93,066,000	556,534,000

PHILADELPHIA GAS WORKS

FISCAL YEAR 2016 AND FORECAST 2017 THROUGH 2021

<u>DEPARTMENT</u>	<u>2016 CAPITAL BUDGET</u>	<u>FORECAST</u>				<u>TOTAL 6 YEARS</u>
		<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	
<u>FIELD SERVICES</u>						
ADDITIONS	1,745,000	1,783,000	1,823,000	1,882,000	1,924,000	11,123,000
REPLACEMENTS	4,960,000	4,999,000	5,110,000	5,281,000	5,398,000	31,265,000
GROSS TOTAL FIELD SERVICES	6,705,000	6,782,000	6,933,000	7,163,000	7,322,000	42,388,000
LESS: SALVAGE						
LESS: CONTRIBUTIONS*						
NET TOTAL FIELD SERVICES	6,705,000	6,782,000	6,933,000	7,163,000	7,322,000	42,388,000
ACQUIRE ASSETS LEASE	6,705,000	6,782,000	6,933,000	7,163,000	7,322,000	42,388,000
<u>FLEET OPERATIONS</u>						
ADDITIONS	118,000					118,000
REPLACEMENTS	8,044,000	4,795,000	2,283,000	1,872,000	662,000	24,312,000
GROSS TOTAL FLEET OPERATIONS	8,162,000	4,795,000	2,283,000	1,872,000	662,000	24,430,000
LESS: SALVAGE						
NET TOTAL FLEET OPERATIONS	8,162,000	4,795,000	2,283,000	1,872,000	662,000	24,430,000
ACQUIRE ASSETS LEASE	8,162,000	4,795,000	2,283,000	1,872,000	662,000	24,430,000

PHILADELPHIA GAS WORKS

FISCAL YEAR 2016 AND FORECAST 2017 THROUGH 2021

DEPARTMENT	2016 CAPITAL BUDGET	FORECAST				TOTAL 6 YEARS
		2017	2018	2019	2020	
OTHER						
ADDITIONS	4,733,000	368,000	375,000	382,000	389,000	395,000
REPLACEMENTS	6,885,000	3,529,000	2,800,000	2,701,000	2,741,000	2,450,000
TOTAL OTHER	11,618,000	3,897,000	3,175,000	3,083,000	3,130,000	2,846,000
ACQUIRE ASSETS LEASE	11,618,000	3,897,000	3,175,000	3,083,000	3,130,000	2,846,000
TOTAL						
ADDITIONS	17,220,000	13,069,000	15,254,000	13,245,000	13,523,000	13,808,000
REPLACEMENTS	105,891,000	100,595,000	99,334,000	95,957,000	92,914,000	100,001,000
GROSS TOTAL	123,111,000	113,664,000	114,588,000	109,202,000	106,437,000	113,809,000
LESS: SALVAGE						
LESS: REIMBURSEMENT**						
LESS: CONTRIBUTIONS*						
NET TOTAL	123,111,000	113,664,000	114,588,000	109,202,000	106,437,000	113,809,000
ACQUIRE ASSETS LEASE	123,111,000	113,664,000	114,588,000	109,202,000	106,437,000	113,809,000

\* CONTRIBUTIONS ARE POTENTIAL CUSTOMER CONTRIBUTIONS

\*\* REIMBURSEMENT TO PGW FOR RELOCATING STRUCTURES & EQUIPMENT AND/OR LOAD GROWTH

PHILADELPHIA GAS WORKS  
PROPOSED 2017 - 2021 FORECAST  
(COMPARISON)

<u>DEPARTMENT</u>	<u>2016 - 2020 FORECAST</u>	<u>2017 - 2021 FORECAST</u>	<u>AMOUNT DIFFERENCE</u>	<u>PERCENT DIFFERENCE</u>
<u>GAS PROCESSING</u>				
ADDITIONS	54,037,000	3,233,000	(50,804,000)	-94.0%
REPLACEMENTS	<u>17,547,000</u>	<u>20,571,000</u>	3,024,000	17.2%
TOTAL GAS PROCESSING	71,584,000	23,804,000	(47,780,000)	-66.7%
<u>DISTRIBUTION</u>				
ADDITIONS	56,613,000	54,378,000	(2,235,000)	-3.9%
REPLACEMENTS	<u>336,865,000</u>	<u>411,436,000</u>	74,571,000	22.1%
GROSS TOTAL DISTRIBUTION	393,478,000	465,814,000	72,336,000	18.4%
LESS: SALVAGE				
LESS: CONTRIBUTIONS*				
LESS: REIMBURSEMENT**	<u>(5,761,000)</u>		5,761,000	
NET TOTAL DISTRIBUTION	393,478,000	465,814,000	72,336,000	18.4%
<u>FIELD SERVICES</u>				
ADDITIONS	10,178,000	9,378,000	(800,000)	-7.9%
REPLACEMENTS	<u>24,626,000</u>	<u>26,305,000</u>	1,679,000	6.8%
GROSS TOTAL FIELD SERVICES	34,804,000	35,683,000	879,000	2.5%
LESS: SALVAGE				
LESS: CONTRIBUTIONS*				
NET TOTAL FIELD SERVICES	34,804,000	35,683,000	879,000	2.5%

PHILADELPHIA GAS WORKS  
PROPOSED 2017 - 2021 FORECAST  
(COMPARISON)

<u>DEPARTMENT</u>	<u>2016- 2020 FORECAST</u>	<u>2017 - 2021 FORECAST</u>	<u>AMOUNT DIFFERENCE</u>	<u>PERCENT DIFFERENCE</u>
<u>FLEET OPERATIONS</u>				
ADDITIONS	0		(0)	-100.0%
REPLACEMENTS	<u>14,938,000</u>	<u>16,268,000</u>	1,330,000	8.9%
GROSS TOTAL FLEET OPERATIONS	14,938,000	16,268,000	1,330,000	8.9%
LESS: SALVAGE				
NET TOTAL FLEET OPERATIONS	14,938,000	16,268,000	1,330,000	8.9%
 <u>OTHER</u>				
ADDITIONS	1,442,000	1,910,000	468,000	32.5%
REPLACEMENTS	<u>25,156,000</u>	<u>14,221,000</u>	(10,935,000)	-43.5%
TOTAL OTHER	26,598,000	16,131,000	(10,467,000)	-39.4%
 <u>TOTAL</u>				
ADDITIONS	122,270,000	68,899,000	(53,371,000)	-43.7%
REPLACEMENTS	<u>419,132,000</u>	<u>488,801,000</u>	69,669,000	16.6%
GROSS TOTAL	541,402,000	557,700,000	16,298,000	3.0%
LESS: SALVAGE				
LESS: REIMBURSEMENT**	(5,761,000)		5,761,000	-100.0%
LESS: CONTRIBUTIONS*				
NET TOTAL	<u>541,402,000</u>	<u>557,700,000</u>	16,298,000	3.0%

\* CONTRIBUTIONS ARE POTENTIAL CUSTOMER CONTRIBUTIONS

\*\* REIMBURSEMENT TO PGW FOR RELOCATING STRUCTURES & EQUIPMENT AND/OR LOAD GROWTH

GAS PROCESSING DEPARTMENT

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
<u>GP-1 NATURAL GAS MEASUREMENT AND CONTROL FACILITIES</u>								
1 53-01-2-01 REPLACE (1) M&R STATION HEATER	1,705,000			1,800,000		1,800,000		3,600,000
1 53-01-2-02 INSTALL LNG TANK RE PRESSURIZATION SYSTEM				150,000				150,000
53-01-X-XX NON-RECURRING ITEMS	79,000							
TOTAL GP-1	<u>1,784,000</u>			<u>1,950,000</u>		<u>1,800,000</u>		<u>3,750,000</u>
<u>GP-2 SUPPLEMENTAL GAS FACILITIES</u>								
1 53-02-1-01 INSTALL DUPLEX STRAINER FOR GLYCOLBOILOFF SYSTEM		163,000						
1 53-02-1-01 ADD BOILOFF JET COMPRESSORS				300,000				300,000
1 53-02-1-02 INSTALL AIR COMPRESSORS OUTSIDE MACHINE SHOP		57,000						
1 53-02-1-02 EXTEND SECOND LNG FILL LINE			383,000					383,000
1 53-02-1-03 LIQUEFACTION FEEDGAS CO2 & ETHANE REMOVAL				2,000,000				2,000,000
53-02-2-01 REPLACE H-1 HEATER - RICHMOND		2,474,000			2,500,000			2,500,000
53-02-2-01 REPLACE H-2 HEATER			2,500,000					2,500,000
53-02-2-02 REPLACE FOAM WATER PIPING ON LNG TANKS		451,000						
53-02-2-02 REPLACE PUBLIC ADDRESS SYSTEM					750,000			750,000
53-02-2-03 REPLACE FIRE SYSTEM ON C-5RB BOILOFF COMPRESSOR		806,000						

GAS PROCESSING DEPARTMENT

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
53-02-2-03 REPLACE LNG SWITCHGEAR - RICHMOND			1,500,000	1,000,000				1,000,000
53-02-2-04 REPLACE RIVER WATER PUMP SWITCHGEAR								1,500,000
53-02-2-05 REPLACE PNEUMATIC COMPANDER ACTUATORS			180,000					180,000
53-02-2-06 REPLACE FOAM WATER PIPING				500,000				500,000
53-02-2-07 REPLACE FIRE AND GAS DETECTION SYSTEM - PASSYUNK			1,140,000					1,140,000
53-02-2-09 REPLACE FIRE SYSTEM ON C-5RA BOILOFF COMPRESSOR			806,000					806,000
53-02-2-10 DCS CONTROL SYSTEMS UPGRADES - RICHMOND			1,000,000	250,000				1,250,000
53-02-2-11 EXPANDER LIQUEFIER TSA SYSTEM UPGRADES							2,000,000	2,000,000
53-02-2-12 RELOCATE LNG CONTROL ROOM MCC - PASYUNK				1,000,000				1,000,000
53-01-X-XX NON-RECURRING ITEMS	1,425,000							
TOTAL GP-2	<u>1,425,000</u>	<u>3,951,000</u>	<u>7,509,000</u>	<u>5,050,000</u>	<u>3,250,000</u>		<u>2,000,000</u>	<u>17,809,000</u>
<u>GP-3 BUILDING AND GROUNDS</u>								
2 53-03-2-01 REPLACE LNG TANK ELEVATOR-RICHMOND		1,482,000						
TOTAL GP-3		<u>1,482,000</u>						
<u>GP-4 MISCELLANEOUS CAPITAL REQUIREMENTS</u>								
1 53-04-1-01 MISCELLANEOUS CAPITAL ADDITIONS	163,000	104,000	106,000	108,000	110,000	112,000	114,000	550,000
1 53-04-2-01 MISCELLANEOUS CAPITAL REPLACEMENTS	349,000	369,000	327,000	333,000	339,000	345,000	351,000	1,695,000

GAS PROCESSING DEPARTMENT

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
TOTAL GP-4	<u>512,000</u>	<u>473,000</u>	<u>433,000</u>	<u>441,000</u>	<u>449,000</u>	<u>457,000</u>	<u>465,000</u>	<u>2,245,000</u>
TOTAL GAS PROCESSING DEPARTMENT	3,721,000	5,906,000	7,942,000	7,441,000	3,599,000	2,257,000	2,465,000	23,804,000
ACQUIRE ASSETS LEASE	3,721,000	5,906,000	7,942,000	7,441,000	3,599,000	2,257,000	2,465,000	23,804,000



DISTRIBUTION DEPARTMENT  
FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
	<u>D-20 HIGH PRESSURE MAINS</u>							
4 52-20-1-01	1,133,000	1,132,000	1,371,000	1,400,000	1,429,000	1,459,000	1,490,000	7,149,000
	INSTALLATIONS TO PROVIDE FOR AHEAD-OF-PAVING AND EXTENSIONS TO SUPPLY ADDITIONAL LOADS							
3 52-20-2-01	1,378,000	1,542,000	1,565,000	1,598,000	1,632,000	1,666,000	1,701,000	8,162,000
	ENFORCED RELOCATIONS CAUSED BY CITY AND STATE WORK							
1 52-20-2-02	5,034,000	7,981,000	5,287,000	6,637,000	7,340,000	4,710,000	4,710,000	28,684,000
	INCRE REPL OF 12" HP CAST IRON MAIN							
1 52-20-2-03	9,045,000	7,449,000	12,000,000	14,010,000	10,755,000	11,815,000	11,825,000	60,405,000
	LARGE DIAMETER MAIN							
	16,590,000	18,104,000	20,223,000	23,645,000	21,156,000	19,650,000	19,726,000	104,400,000
	GROSS TOTAL D-20							
52-20-2-97	16,590,000	18,104,000	20,223,000	23,645,000	21,156,000	19,650,000	19,726,000	104,400,000
	LESS: REIMBURSEMENT**							
	16,590,000	18,104,000	20,223,000	23,645,000	21,156,000	19,650,000	19,726,000	104,400,000
	NET TOTAL D-20							

DISTRIBUTION DEPARTMENT

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
<u>D-21 8 INCH AND SMALLER I. P. AND L. P. MAIN</u>								
4 52-21-1-01	2,195,000	2,068,000	2,099,000	2,143,000	2,188,000	2,234,000	2,281,000	10,945,000
	LOCAL MAINS TO SUPPLY NEW HOUSES AND TO PROVIDE FOR INCREASED CAPACITY							
3 52-21-2-01	4,330,000	5,294,000	5,365,000	5,478,000	5,593,000	5,710,000	5,830,000	27,976,000
	ENFORCED RELOCATIONS CAUSED BY CITY, STATE AND OTHER WORK AND ENLARGEMENTS THAT MAY BE REQUIRED TO MAINTAIN SYSTEM PRESSURE							
1 52-21-2-02	14,683,000	14,454,000	13,357,000	13,637,000	13,923,000	14,215,000	14,513,000	69,645,000
	PRUDENT							
5 52-21-2-03	3,182,000	4,396,000	15,061,000	15,146,000	15,233,000	15,322,000	15,413,000	76,175,000
	LTIP - ACCELERATED CAST IRON							
1 52-21-2-04		5,500,000						
	LONG TERM INFRASTRUCTURE PLAN-INCREMENTAL CAST IRON							
	24,390,000	31,712,000	35,882,000	36,404,000	36,937,000	37,481,000	38,037,000	184,741,000
	GROSS TOTAL D-21							
52-21-2-97	(1,022,000)	(1,967,000)						
	LESS: REIMBURSEMENT**							
	23,368,000	29,745,000	35,882,000	36,404,000	36,937,000	37,481,000	38,037,000	184,741,000
	NET TOTAL D-21							
<u>D-22 12 INCH AND LARGER I. P. AND L. P. MAIN</u>								
4 52-22-1-01	5,000	7,000	6,000	6,000	6,000	6,000	6,000	30,000
	TO SUPPLY NEW CUSTOMERS AND TO PROVIDE FOR INSTALLATION OF MAINS AHEAD-OF-PAVING							
3 52-22-2-01	1,002,000	1,094,000	1,111,000	1,134,000	1,158,000	1,182,000	1,207,000	5,792,000
	ENFORCED RELOCATIONS CAUSED BY CITY, STATE AND OTHER WORK, AND NECESSARY REPLACEMENTS							
3 52-22-2-02	360,000	7,450,000						
	MAIN FOR MAJOR ENFORCED RELOC: I-95							
	1,367,000	8,551,000	1,117,000	1,140,000	1,164,000	1,188,000	1,213,000	5,822,000
	GROSS TOTAL D-22							
52-22-2-97	1,367,000	(6,332,000)						
	LESS: REIMBURSEMENT**							
	1,367,000	2,219,000	1,117,000	1,140,000	1,164,000	1,188,000	1,213,000	5,822,000
	NET TOTAL D-22							

DISTRIBUTION DEPARTMENT

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
D-23 CUSTOMER METERING & REGULATOR INSTALLATION, AND PRESSURE CONTROL & <u>CORROSION CONTROL FACILITIES</u>								
4 52-23-1-01 CUSTOMER METER & REGULATOR INSTALL	562,000	602,000	615,000	628,000	641,000	654,000	668,000	3,206,000
1 52-23-2-01 REPLACE/REHABILITATION-HP MAIN VALVES	730,000	620,000	633,000	646,000	660,000	674,000	688,000	3,301,000
2 52-23-2-02 REPL - PRESSURE CNTL & CORR CNTL FACIL	<u>579,000</u>	<u>386,000</u>	<u>386,000</u>	<u>394,000</u>	<u>402,000</u>	<u>410,000</u>	<u>419,000</u>	<u>2,011,000</u>
GROSS TOTAL D-23	1,871,000	1,608,000	1,634,000	1,668,000	1,703,000	1,738,000	1,775,000	8,518,000
LESS: REIMBURSEMENT**								
TOTAL D-23	<u>1,871,000</u>	<u>1,608,000</u>	<u>1,634,000</u>	<u>1,668,000</u>	<u>1,703,000</u>	<u>1,738,000</u>	<u>1,775,000</u>	<u>8,518,000</u>
D-24 SERVICES								
4 52-24-1-01 1 1/4" AND SMALLER	4,225,000	4,019,000	4,080,000	4,166,000	4,253,000	4,342,000	4,433,000	21,274,000
4 52-24-1-02 2" AND LARGER	2,622,000	2,261,000	2,247,000	2,294,000	2,342,000	2,391,000	2,441,000	11,715,000
1 52-24-2-01 1 1/4" AND SMALLER	17,950,000	19,110,000	22,998,000	23,405,000	23,821,000	24,245,000	24,679,000	119,148,000
1 52-24-2-02 2" AND LARGER	<u>936,000</u>	<u>1,033,000</u>	<u>1,048,000</u>	<u>1,070,000</u>	<u>1,092,000</u>	<u>1,115,000</u>	<u>1,138,000</u>	<u>5,463,000</u>
1 52-24-2-03 RENEWAL OF 1-1/4" AND SMALLER SERVICES INCREMENTAL CAST IRON MAIN		1,835,000						
GROSS TOTAL D-24	25,733,000	28,258,000	30,373,000	30,935,000	31,508,000	32,093,000	32,691,000	157,600,000
52-24-2-97 LESS: REIMBURSEMENT**								
LESS: CONTRIBUTIONS*								
TOTAL D-24	<u>25,733,000</u>	<u>28,258,000</u>	<u>30,373,000</u>	<u>30,935,000</u>	<u>31,508,000</u>	<u>32,093,000</u>	<u>32,691,000</u>	<u>157,600,000</u>

DISTRIBUTION DEPARTMENT  
FORECAST - FISCAL YEARS 2017 THROUGH 2021

	2015 BUDGET	2016 BUDGET	2017	2018	2019	2020	2021	TOTAL FORECAST
<u>D-29 OTHER DISTRIBUTION FACILITIES</u>								
5 52-29-1-01	54,000	11,000	11,000	11,000	12,000	12,000	13,000	59,000
2 52-29-2-01	1,732,000	1,479,000	1,008,000	953,000	905,000	904,000	904,000	4,674,000
1 52-29-2-02		200,000						
5 52-29-2-03		797,000						
	TOTAL D-29	1,786,000	1,019,000	964,000	917,000	916,000	917,000	4,733,000
<u>D-99 REMOVAL AND ABANDONMENTS</u>								
1 52-99-2-99								
52-98-2-98								
	GROSS TOTAL DISTRIBUTION DEPARTMENT	71,737,000	90,248,000	94,756,000	93,385,000	93,066,000	94,359,000	465,814,000
	LESS: SALVAGE							
	LESS: CONTRIBUTIONS*							
	LESS: REIMBURSEMENT**	(1,022,000)	(8,299,000)					
	NET TOTAL DISTRIBUTION DEPARTMENT	70,715,000	90,248,000	94,756,000	93,385,000	93,066,000	94,359,000	465,814,000
	ACQUIRE ASSETS	70,715,000	82,421,000	94,756,000	93,385,000	93,066,000	94,359,000	465,814,000
	LEASE							

\* CONTRIBUTIONS ARE POTENTIAL CUSTOMER CONTRIBUTIONS  
 \*\* REIMBURSEMENT TO PGW FOR RELOCATING STRUCTURES & EQUIPMENT AND/OR LOAD GROWTH

FIELD SERVICES DEPARTMENT

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
<u>C-30 METERS</u>								
4 50-30-1-01 ADDITIONS AND INSTALLATIONS	1,562,000	1,431,000	1,456,000	1,488,000	1,538,000	1,572,000	1,607,000	7,661,000
1 50-30-2-01 REPLACEMENTS	2,093,000	2,374,000	2,359,000	2,412,000	2,493,000	2,548,000	2,605,000	12,417,000
TOTAL C-30	3,655,000	3,805,000	3,815,000	3,900,000	4,031,000	4,120,000	4,212,000	20,078,000
<u>C-32 SERVICES REGULATORS</u>								
4 50-32-1-01 ADDITIONS AND INSTALLATIONS	65,000	56,000	64,000	66,000	67,000	69,000	70,000	336,000
1 50-32-2-01 REPLACEMENTS	56,000	23,000	26,000	26,000	27,000	28,000	28,000	135,000
TOTAL C-32	121,000	79,000	90,000	92,000	94,000	97,000	98,000	471,000
<u>C-33 TELEMETERING</u>								
5 50-33-1-01 ADDITIONS AND INSTALLATIONS	92,000	118,000	121,000	123,000	127,000	130,000	133,000	634,000
1 50-33-2-01 REPLACEMENTS	132,000	166,000	169,000	173,000	179,000	183,000	187,000	891,000
TOTAL C-33	224,000	284,000	290,000	296,000	306,000	313,000	320,000	1,525,000

FIELD SERVICES DEPARTMENT

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
<u>C-34 METER SHOP EQUIPMENT</u>								
5 50-34-2-01 REPLACEMENTS	<u>237,000</u>	<u>65,000</u>	<u>66,000</u>	<u>67,000</u>	<u>68,000</u>	<u>69,000</u>	<u>70,000</u>	<u>340,000</u>
TOTAL C-34	<u>237,000</u>	<u>65,000</u>	<u>66,000</u>	<u>67,000</u>	<u>68,000</u>	<u>69,000</u>	<u>70,000</u>	<u>340,000</u>
<u>C-36 AUTOMATIC METER READING</u>								
5 50-36-1-01 ADDITIONS	135,000	140,000	142,000	146,000	150,000	153,000	156,000	<u>747,000</u>
5 50-36-2-01 REPLACEMENTS	<u>2,206,700</u>	<u>2,332,000</u>	<u>2,379,000</u>	<u>2,432,000</u>	<u>2,514,000</u>	<u>2,570,000</u>	<u>2,627,000</u>	<u>12,522,000</u>
TOTAL C-36	<u>2,341,700</u>	<u>2,472,000</u>	<u>2,521,000</u>	<u>2,578,000</u>	<u>2,664,000</u>	<u>2,723,000</u>	<u>2,783,000</u>	<u>13,269,000</u>
<u>C-99 COST OF REMOVAL</u>								
1 50-99-2-99								<u>0</u>
GROSS TOTAL FIELD SERVICES DEPARTMENT	6,578,700	6,705,000	6,782,000	6,933,000	7,163,000	7,322,000	7,483,000	<u>35,683,000</u>
50-98-2-98 LESS: SALVAGE								<u>0</u>
50-94-1-94 LESS: CONTRIBUTIONS								<u>0</u>
NET TOTAL FIELD SERVICES DEPARTMENT	<u>6,578,700</u>	<u>6,705,000</u>	<u>6,782,000</u>	<u>6,933,000</u>	<u>7,163,000</u>	<u>7,322,000</u>	<u>7,483,000</u>	<u>35,683,000</u>
ACQUIRE ASSETS	6,578,700	6,705,000	6,782,000	6,933,000	7,163,000	7,322,000	7,483,000	35,683,000
LEASE								

FLEET OPERATIONS DEPARTMENT

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
2 73-01-1-01 ACQUIRE ADD'L VEHICLES TO SUPPORT INCREMENTAL CAST IRON MAIN REPLACEMENT		118,000						
1 73-01-1-02 MOBILE EQUIPMENT ADDITIONS TO SUPPORT CAST IRON MAIN REPLACEMENT		632,000						
2 73-01-1-03 VEHICLE ADDITIONS	0	0	0	0	0	0	0	0
2 73-01-2-01 SHOP EQUIPMENT REPLACEMENTS	17,000	0	0	0	0	0	0	0
2 73-01-2-02 MOBILE EQUIPMENT REPLACEMENTS	487,000	1,533,000	646,000	540,000	388,000	178,000	480,000	2,232,000
1 73-01-2-03 VEHICLE REPLACEMENTS	2,637,000	5,879,000	4,149,000	1,743,000	1,484,000	484,000	6,176,000	14,036,000
								0
								0
GROSS TOTAL FLEET OPERATIONS DEPARTMENT	3,141,000	8,162,000	4,795,000	2,283,000	1,872,000	662,000	6,656,000	16,268,000
73-98-2-98 LESS: SALVAGE								0
NET TOTAL FLEET OPERATIONS DEPARTMENT	<u>3,141,000</u>	<u>8,162,000</u>	<u>4,795,000</u>	<u>2,283,000</u>	<u>1,872,000</u>	<u>662,000</u>	<u>6,656,000</u>	<u>16,268,000</u>
ACQUIRE ASSETS	3,141,000	8,162,000	4,795,000	2,283,000	1,872,000	662,000	6,656,000	16,268,000
LEASE								

OTHER DEPARTMENTS

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
<u>FACILITIES</u>								
1 72-01-1-01 MISCELLANEOUS CAPITAL ADDITIONS	129,000	125,000	127,000	129,000	131,000	133,000	135,000	655,000
1 72-01-1-02 MISC CAPITAL ADDITIONS-GAS PROCESSING	8,000	9,000	10,000	11,000	12,000	13,000	14,000	60,000
1 72-01-2-01 MISC CAPITAL REPL & STRUCTURAL REPAIRS	325,000	376,000	383,000	390,000	397,000	404,000	411,000	1,985,000
1 72-01-2-02 MISC CAPITAL REPL - GAS PROCESSING	45,000	45,000	46,000	47,000	48,000	49,000	50,000	240,000
1 72-01-2-03 MISC CAP REPL-STRUCT REPAIRS-GAS PROC	58,000	57,000	58,000	59,000	60,000	61,000	62,000	300,000
2 72-01-2-04 REPLACE HVAC SYSTEM COMPONENTS - 800	188,000	786,000	262,000	269,000	275,000	282,000		1,088,000
1 72-01-2-05 REPLACE CARPETS - ALL LOCATIONS	152,000	165,000	159,000	163,000	167,000	172,000	150,000	811,000
2 72-01-2-06 REPLACE MODULAR FURNITURE -800	105,000	195,000	217,000	222,000	228,000	234,000	225,000	1,126,000
2 72-01-2-07 REPLACE HVAC COMPONENTS - 1800	167,000	173,000	170,000					170,000
2 72-01-2-08 REPLACE SWITCHGEAR - 1800	55,000	113,000	100,000					100,000
2 72-01-2-09 REPLACE OBSOLETE INTERIOR LIGHTING - 800	117,000	352,000	134,000	137,000				271,000



OTHER DEPARTMENTS

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
2 72-01-2-10 REPLACE 800 CM3 BAS		214,000						
2 72-01-2-13 REPLACE 800 BAS			500,000					500,000
2 72-01-2-11 REPLACE SPLINE CEILING 800-1		129,000						
2 72-01-2-14 REPLACE HVAC OUTLYING STATION	125,000							
2 72-01-2-15 REPLACE/UPGRADE 800 BUILDING AUTOMATION SYSTEM	270,000							
2 72-01-2-16 REPLACE 800 COOLING TOWER	330,000							
2 72-01-2-17 REPLACE SPLINE CEILING 800-1	80,000							
2 73-01-2-18 404210 BUILDING ROOF - RICHMOND PLANT	120,000							
72-01-X-XX NON-RECURRING ITEMS	342,000							
<b>TOTAL FACILITIES</b>	<u>2,616,000</u>	<u>2,739,000</u>	<u>2,166,000</u>	<u>1,427,000</u>	<u>1,318,000</u>	<u>1,348,000</u>	<u>1,047,000</u>	<u>7,306,000</u>

OTHER DEPARTMENTS

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
<u>INFORMATION SERVICES</u>								
2 47-01-1-01 MISC SERVER & NETWORK ADDITIONS	58,000	57,000	58,000	59,000	60,000	61,000	62,000	300,000
2 47-01-1-02 MISCELLANEOUS SOFTWARE ADDITIONS	75,000	170,000	173,000	176,000	179,000	182,000	185,000	895,000
2 47-01-2-04 DESKTOP VIRTUALIZATION - PHASE 2		283,000	288,000	293,000	298,000	303,000	308,000	1,490,000
2 47-01-2-07 MISCELLANEOUS SOFTWARE REPLACEMENTS	150,000	50,000	51,000	52,000	53,000	54,000	55,000	265,000
2 47-01-2-05 SERVER & NETWORK HARDWARE REPLACE	180,000	177,000	180,000	183,000	186,000	189,000	192,000	930,000
2 47-01-2-06 UPGRADE TIPPING POINT		200,000						
2 47-01-2-03 SAN STORAGE	231,000	227,000	231,000	235,000	239,000	243,000	247,000	1,195,000
<u>FY 2014 REAUTHORIZATION</u>		<u>1,800,000</u>						
47-01-2-04 Replace PBX w/Voice Over IP Phone System								
<b>TOTAL INFORMATION SERVICES</b>	<u>694,000</u>	<u>2,964,000</u>	<u>981,000</u>	<u>998,000</u>	<u>1,015,000</u>	<u>1,032,000</u>	<u>1,049,000</u>	<u>5,075,000</u>

OTHER DEPARTMENTS

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
<u>INFORMATION SERVICES</u>								
2 47-01-1-01 MISC SERVER & NETWORK ADDITIONS	58,000	57,000	58,000	59,000	60,000	61,000	62,000	300,000
2 47-01-1-02 MISCELLANEOUS SOFTWARE ADDITIONS	75,000	170,000	173,000	176,000	179,000	182,000	185,000	895,000
2 47-01-2-04 DESKTOP VIRTUALIZATION - PHASE 2		283,000	288,000	293,000	298,000	303,000	308,000	1,490,000
2 47-01-2-07 MISCELLANEOUS SOFTWARE REPLACEMENTS	150,000	50,000	51,000	52,000	53,000	54,000	55,000	265,000
2 47-01-2-05 SERVER & NETWORK HARDWARE REPLACE	180,000	177,000	180,000	183,000	186,000	189,000	192,000	930,000
2 47-01-2-06 UPGRADE TIPPING POINT		200,000						
2 47-01-2-03 SAN STORAGE	231,000	227,000	231,000	235,000	239,000	243,000	247,000	1,195,000
<u>FY 2014 REAUTHORIZATION</u>								
47-01-2-04 Replace PBX w/Voice Over IP Phone System		1,800,000						
	694,000	2,964,000	981,000	998,000	1,015,000	1,032,000	1,049,000	5,075,000
	<u>TOTAL INFORMATION SERVICES</u>							
<u>CHIEF OPERATING OFFICER</u>								
1 13-01-2-01 CONDITIONAL FUNDING FOR CAPITAL NEEDS RELATED TO SAFETY	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
2 13-01-2-02 CONDITIONAL FUNDING FOR CAPITAL NEEDS RELATED TO RELIABILITY OF SERVICE	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
4 13-01-2-03 CONDITIONAL FUNDING FOR CAPITAL NEEDS FOR COST JUSTIFIED LOAD GROWTH	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
	750,000	750,000	750,000	750,000	750,000	750,000	750,000	3,750,000
	<u>TOTAL CHIEF OPERATING OFFICER</u>							

OTHER DEPARTMENTS

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
--	--------------------	--------------------	-------------	-------------	-------------	-------------	-------------	-----------------------

VP TECHNICAL COMPLIANCE  
 1 38-01-1-01 BIOSPARGE AND SOIL VAPOR EXTRACTION SYSTEM

2,739,000

FY 2014 REAUTHORIZATION

38-01-1-01 SPARGE CURTAIN & SOIL VAPOR EXTRACTION PASSYUNK/PORTER

647,000

TOTAL VP TECHNICAL COMPLIANCE

3,386,000

CHEM SERVICES

1 31-01-2-01 CHEM LAB INSTRUMENTATION REPLACEMENT

8,000

31-01-X-XX NON-RECURRING ITEMS

11,000

204,000

215,000

TOTAL CHEM SERVICES

8,000

VP REGULATORY COMPLIANCE & CUSTOMER PROGRAMS

5 10-01-1-01 AUTOMATION OF CRP PROCESS

607,000

5 10-01-1-02 STREAMLINE CREDIT DENIAL PROCESS

60,000

5 10-01-1-04 KIOSK FOR CUSTOMER SERVICE CENTERS

156,000

5 10-01-1-05 ENERGYSense REPORTS

100,000

5 10-01-1-03 BILL ANALYZER PRODUCT

42,000

FY 2014 REAUTHORIZATION

10-01-1-01 CONSOLIDATED BILLING & PURCHASE OF RECEIVABLES

21,000

TOTAL VP REGULATORY COMPLIANCE & CUSTOMER PROGRAMS

966,000

GAS MANAGEMENT FY 2014 REAUTHORIZATIONS

OTHER DEPARTMENTS

FORECAST - FISCAL YEARS 2017 THROUGH 2021

	<u>2015 BUDGET</u>	<u>2016 BUDGET</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL FORECAST</u>
09-01-2-01 SCADA Upgrade with Control Room & Alarm Management		267,000						
57-01-2-01 Replace Gas Management System & Supplier Choice Software		518,000						
<b>TOTAL GAS MANAGEMENT</b>		<u>785,000</u>						
<b>TOTAL OTHER DEPARTMENTS</b>	<u>4,275,000</u>	<u>11,618,000</u>	<u>3,697,000</u>	<u>3,175,000</u>	<u>3,083,000</u>	<u>3,130,000</u>	<u>2,846,000</u>	<u>16,131,000</u>
<b>ACQUIRE ASSETS</b>								
<b>LEASE</b>								

**FY 2016 AMENDED FINANCING PLAN**

**PHILADELPHIA GAS WORKS**  
**FY 2016 CAPITAL FUNDING PLAN**  
**ALTERNATIVE SCENARIO**

	<b><u>FY 2016</u></b> <b><u>Finance Plan</u></b> <b><u>Compliance Budget</u></b>	<b><u>FY 2016</u></b> <b><u>Finance Plan</u></b> <b><u>Amendment</u></b>
<b><u>FY 2016 Net Capital Spending</u></b>		
Spending from FY 2016 Program	\$98,336,000	\$98,336,000
FY 2016 Amendment Spending	\$0	\$7,587,000
Carryover Spending from FY 2015	\$20,021,000	\$20,021,000
Total FY 2016 Capital Spending	\$118,357,000	\$125,944,000
Projected Reimbursement	\$1,967,000	\$1,967,000
I-95 Reimbursement*	\$6,632,000	\$6,632,000
Salvage	\$105,000	\$105,000
Construction Contribution	\$2,467,000	\$2,467,000
<b><u>Net FY 2016 Capital Spending</u></b>	<b><u>\$107,186,000</u></b>	<b><u>\$114,773,000</u></b>
<b>Capital Funding Sources</b>		
TXCP - Capital	\$52,779,000	\$54,866,000
DSIC	\$19,407,000	\$24,907,000
Internally Generated Funds	\$35,000,000	\$35,000,000
<b><u>FY 2016 Capital Funding</u></b>	<b><u>\$107,186,000</u></b>	<b><u>\$114,773,000</u></b>

\* This reimbursement reflects the amount identified in the FY 2016 Compliance Capital Budget for this initiative.