

Table 26

Proposed Fiscal Year 2016 <b>Maintenance Expense Summary</b> (\$s)				
<i>Line Item/Description</i>	<i>Final FY15</i>	<i>Proposed FY16</i>	<i>Δ (\$s)</i>	<i>Δ (%)</i>
<b>Buildings and Grounds Expense</b>	\$4,760,519	\$4,368,999	<b>-\$391,520</b>	<b>-8.2%</b>
Materials and services for maintaining buildings and grounds.				
<b>Automotive Expense</b>	679,500	667,500	<b>-12,000</b>	<b>-1.8%</b>
Materials and services for maintaining vehicles.				
<b>Plant and Machinery Expense</b>	10,950,623	11,904,712	954,089	8.7%
Materials and services for maintaining plant and machinery expenses. (E.g. drive chains, facility painting and coating)				
<b>Pipeline Expense</b>	1,648,102	1,648,102	0	0.0%
Materials and services for maintaining pipeline.				
<b>Specialized Equipment Expense</b>	3,062,847	3,293,052	230,205	7.5%
Materials and services for specialized equipment. (E.g. grit screens, lab equipment repairs, sewer bucketing equipment)				
<b>Computer Expense</b>	3,060,743	3,090,632	29,889	1.0%
Includes materials services, software licenses and upgrades.				
<b>Electrical Expense</b>	2,663,050	2,639,400	<b>-23,650</b>	<b>-0.9%</b>
Materials and services for maintaining electrical systems.				
<b>All Other Maintenance Expense</b>	1,147,223	999,571	<b>-147,652</b>	<b>-12.9%</b>
Includes HVAC materials and services and purchase cards.				
<b>TOTAL MAINTENANCE EXPENSE</b>	<b>\$27,972,607</b>	<b>\$28,611,968</b>	<b>\$639,361</b>	<b>2.3%</b>

### Other Highlights

- Larger maintenance projects are funded through budget
- Maintenance expense is 13% of all direct expenses
- Deer Island maintenance: \$12.94 million
- Field Operations maintenance: \$9.61 million including
  - CWTP
  - Headworks
  - CSO facilities
  - Water and wastewater pump stations
- Other Operations Division maintenance expenses:
  - Residuals: \$0.85 million
  - Clinton WWTP: \$0.46 million
- All other maintenance expense: \$4.75 million
  - Makes up 16.6% of all maintenance spend includes:
    - MIS: \$2.99 million
    - Laboratory services: \$0.31 million
    - Fleet maintenance: \$0.71 million

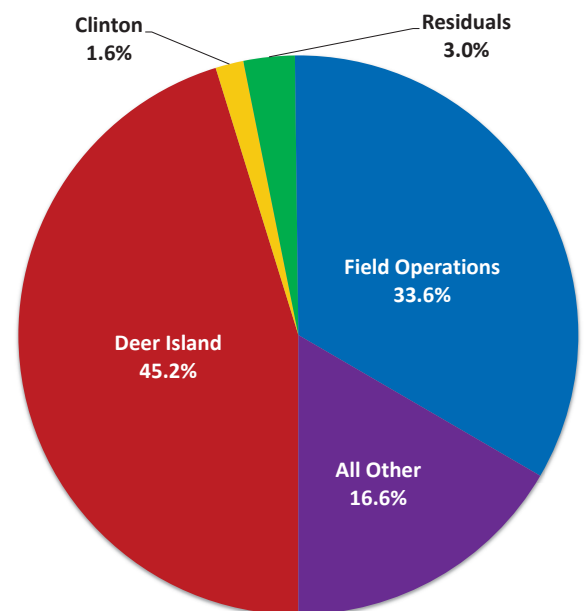


Figure 26

- Maintenance needs are also funded through the technical assistance group of engineering contracts and through the capital program

## “DELTA REPORT”

## Maintenance Expenses Increase \$639 Thousand

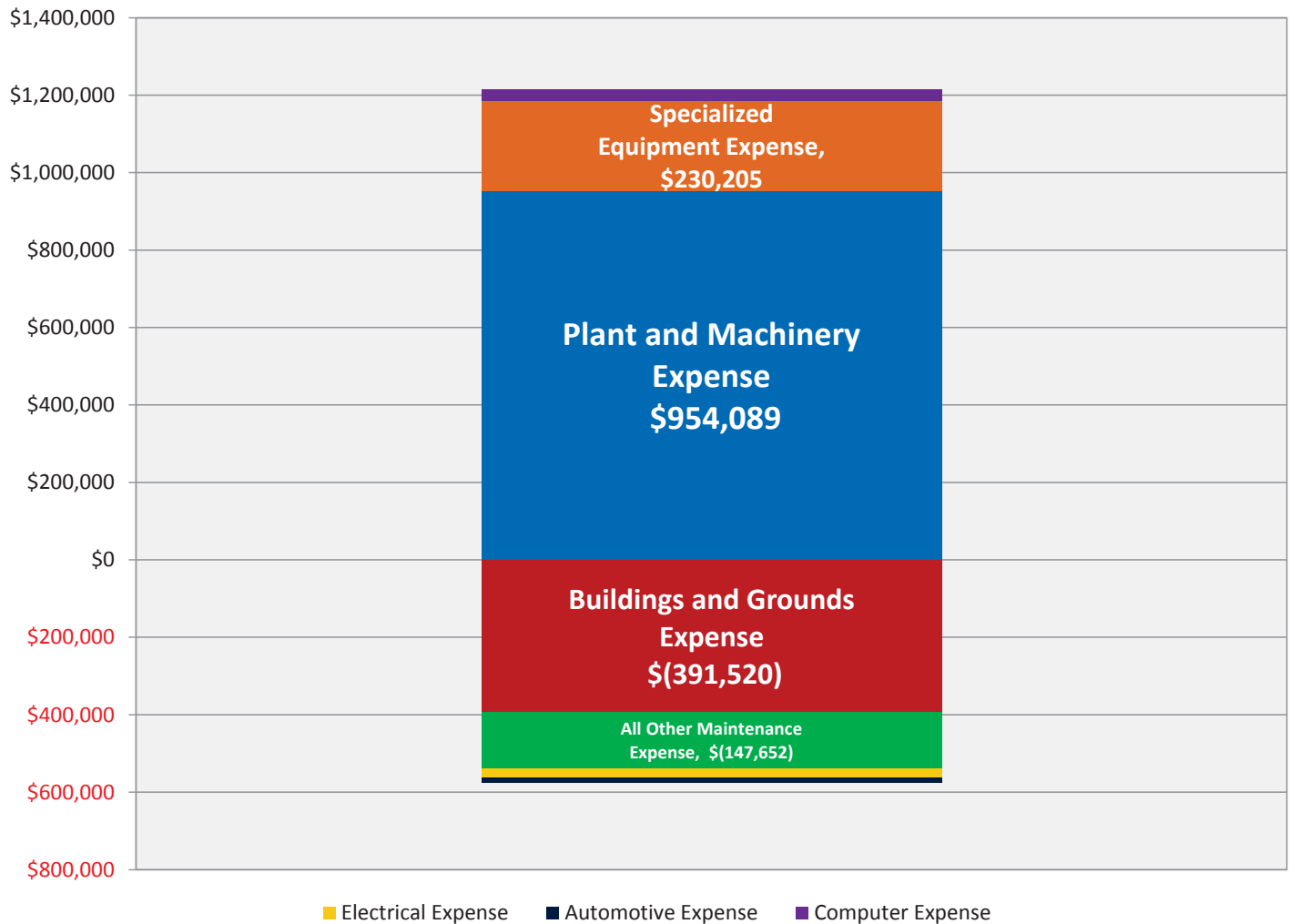


Figure 27

### Deer Island Maintenance Totals \$12.94 Million

- Materials: \$5.88 million
  - 45% of the department's budget
- Services: \$7.06 million
  - 55% of the department's budget
- Deer Island maintenance spending increased by 2%
- Plant and machinery services and materials: \$8.38 million
  - Makes up 65% of all Deer Island maintenance
- Electrical system maintenance: \$2.10 million
- Buildings and grounds work: \$1.31 million
- Some of the largest projects or contracts include:
  - Boiler maintenance: \$1.00 million combined
    - Boiler maintenance
    - Hydro maintenance

### Deer Island Proposed FY15

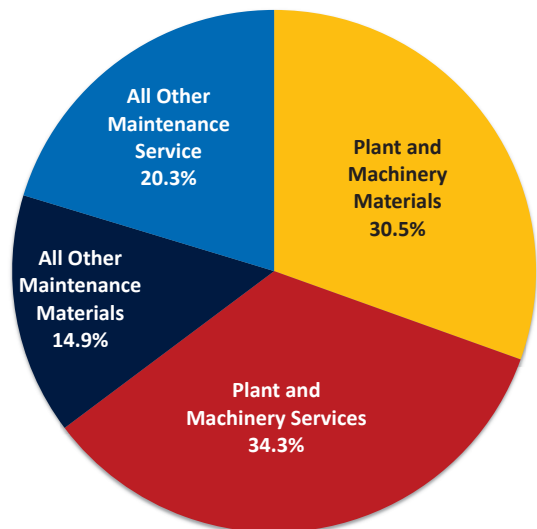


Figure 28

- Steam turbine generator (STG) maintenance
- Cryogenic Maintenance Services: \$0.50 million
- Janitorial Services: \$0.45 million
- Combustion Turbine Generator (CTG) maintenance: \$0.34 million
- Pipe Cleaning: \$0.30 million
- Facility Painting: \$0.25 million
- Reactor Mixer Gearbox Rebuilds: \$0.20 million
- Refurbish Slide Gates: \$0.20 million
- Exterior Door Replacements: \$0.20 million

#### Field Operations Department (FOD) Maintenance Totals \$9.61 Million

- FOD maintenance spending decreases by \$0.49 million (-5%) from FY15, comprised of:
  - Completion of many critical and high-cost projects: -\$0.34 million
  - Decrease in services due, in part, to unit migration: -\$0.20 million
  - Decrease in energy initiatives: -\$0.14 million
  - Partially offset by increase in day-to-day needs: +\$0.18 million
- Five-year annual average: \$9.90 million<sup>45</sup>
- Plant and machinery materials and services increase: +\$0.23 million (+10%)
- HVAC materials and services increase: +\$5 thousand (+2%)
- Budget includes:
  - Day-to-day needs: \$4.3 million
  - Service contracts: \$3.3 million
  - Major projects: \$1.6 million
  - Energy initiatives: \$0.4 million
    - Includes HVAC and lighting efficiency upgrades
- FOD maintenance projects over \$100 thousand are:
  - Manhole rehabilitation contract: \$360 thousand
  - Invasives control at Stillwater Basin: \$214 thousand
  - Replace washdown piping with stainless steel at Prison Point: \$125 thousand
  - Carpet replacement at Chelsea Facility: \$100 thousand
  - Annual tank cleaning: \$100 thousand

#### Residuals Pelletizing Facility Maintenance Totals \$846 Thousand

- Based on agreement with NEFCo contract award
  - Original contract level: \$653 thousand
  - Multi-year inflation factor: \$194 thousand
- Increase from FY15: \$148 thousand (+21%)
- Contractual amounts vary for each calendar year
- Funding supports:
  - Capital Repair
  - Replacement
  - Improvements

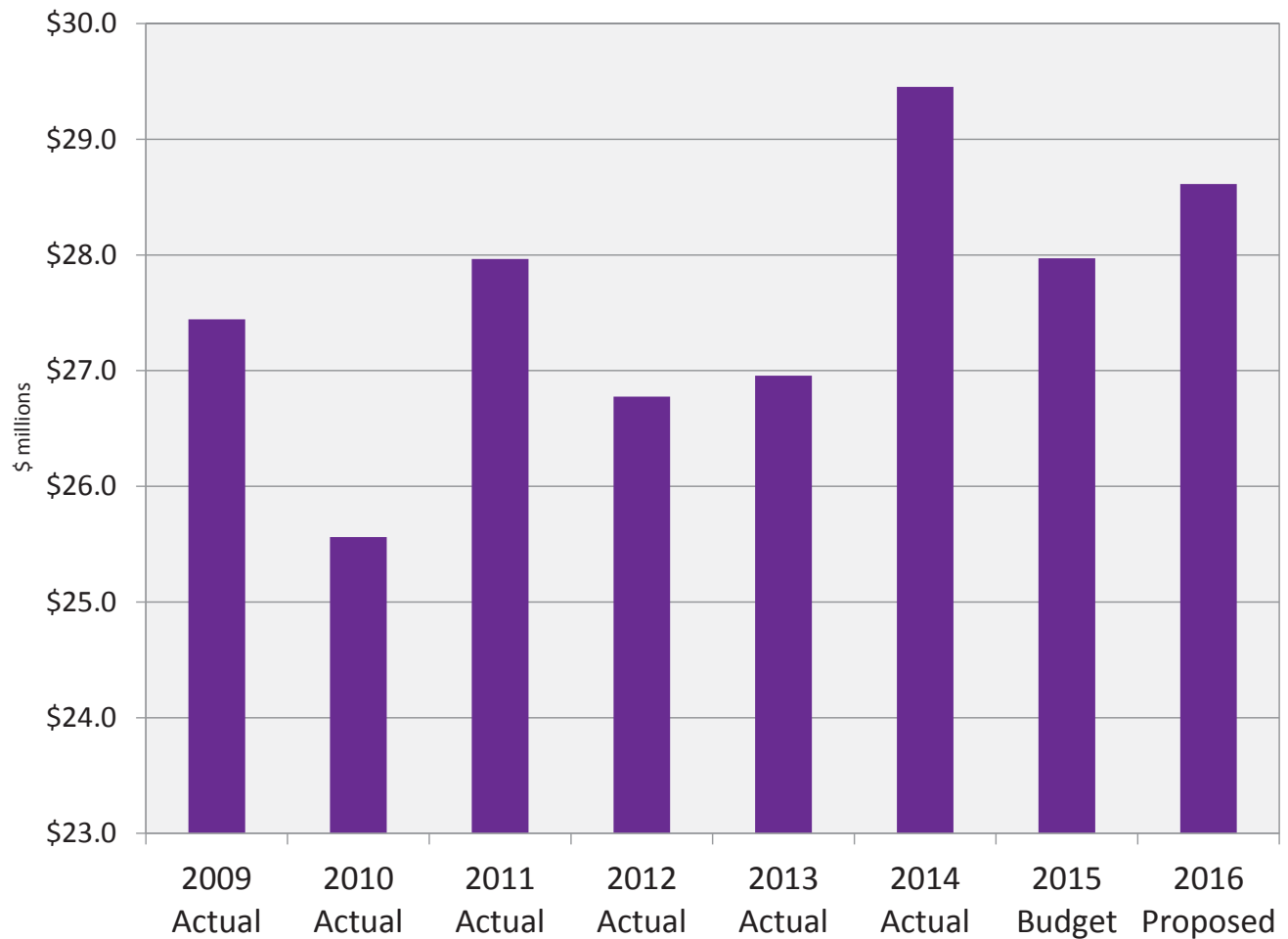
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<sup>45</sup> Including proposed FY16 CEB

## Clinton Wastewater Treatment Plant (CWWTP) Maintenance Totals \$464 Thousand

- Increase from FY15: \$257 thousand (+125%)
  - Driven by \$250 thousand painting to address active concrete channel tank
- Included is \$70 thousand for major projects based on the most current rolling priority list
- Remainder of the budget is for routine materials and services
- Maintenance represents 24% of the FY16 proposed budget for CWWTP

### Maintenance Actual and Budgeted Spending



**Figure 29**