

# 2014 - 2015 Energy Management Report

District Energy Manager  
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# Energy Management FY 2014 – 2015 to date

- Expected cost (weather adjusted): \$968,424
- Actual cost: \$540,832
- Cost avoidance(weather adjusted): \$427,592
- % cost avoidance: 44.2%
  
- Fiscal year cost to run program is approximately \$15,000 so program pays for itself in about two weeks (numbers above do NOT include May or June of this fiscal year)
- Energy costs changed on May 1, 2015. Price went up on electricity but down for natural gas. Our total cost for next year should be comparable to this year.

# Program to date data

- Starting February 1, 1997 we have achieved over \$7 million dollars of cost avoidance to date
- Expected cost during this period starting Feb 1, 1997 to March 31, 2015 is \$22,308,531.
- Actual cost during this period was \$15,251,117
- This gives us a cost avoidance of \$7,057,413 which equates to a cost avoidance of 31.6%.

# Snapshot: April 2015 data

- Baseline adjusted cost: \$86,733
- Actual cost: \$46,318
- Cost avoidance \$40,415
- % avoidance 46.6%

# Changing Rates

- Natural Gas old rate: \$0.4428 per therm
- Natural Gas new rate: \$0.3328 per therm
  
- Electricity old rate: \$0.048 supply cost per kwh
- Electricity new rate: \$0.0591 supply cost per kwh
  
- These should balance out and our annual expenses should stay relatively flat.

# Initiatives to curb energy costs

- LED exterior lighting at Ridge Road
- Re-commissioning of Siemens controls in High School North and South
  - Over 100 different components with HVAC system were repaired (found to be broken or nonfunctional)
- All main offices re-done due to security project – heating and cooling controls were converted to digital
- 2015 – 2016 Re-commissioning of Sing Sing Siemens controls
  - 300 wing of Sing Sing to have controls changed to all digital

# Initiatives to curb energy costs

- Sing Sing North parking lot exterior lighting to be converted to LED
- Converting security lighting that is on 24/7 to LED (from fluorescent)
- Many of these updates will save money over time – as we implement these changes we are working with NYSERDA to offset local costs – last year the district received \$20,000 in rebates from NYSERDA and NYSEG
- Continuing to monitor and adjust controls that drive energy usage through ongoing energy audits