



North Penn School District

Support Services Department

Energy Update

February 26, 2018

Operational Efficiencies

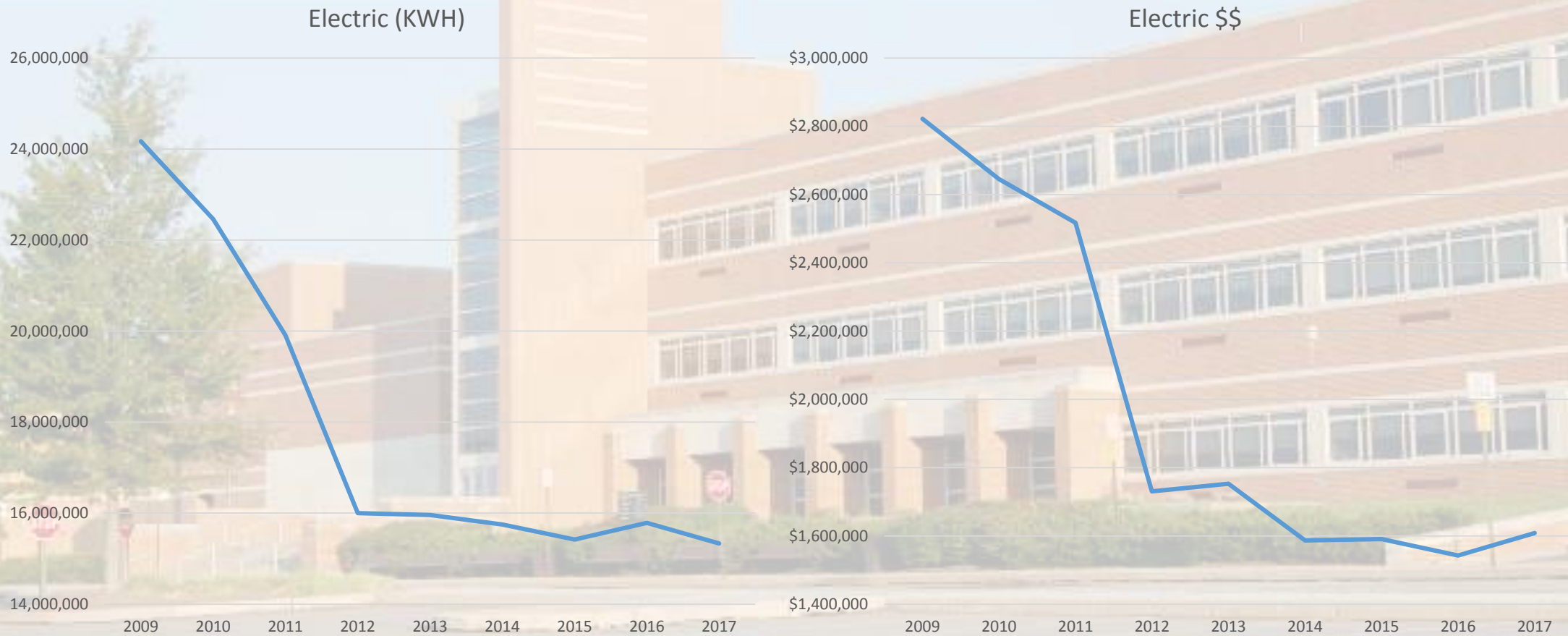
- Energy Management

- Building automation system controls schedule and temperatures to conserve energy
 - Occupied Setpoints: Heating 68F-72F, Cooling 76F-80F
 - Unoccupied Setpoints: Heating 60F, Cooling Units Off
 - Occupied Schedules: ES 6:30-7:00 am through 3:30-4:00, 6:00 pm (Extended care areas)
 - Occupied Schedules: MS 6:30-7:00 am through 3:00
 - Occupied Schedules: HS 5:30-6:00 am through 2:00/3:00/5:00/10:00
- Electricity rates are locked in through May 2019 at \$.06086 cents per KWH
- Electricity rates - June 2019 through May 2024 locked in at \$.05256 cents per KWH
- Natural Gas – managed purchases to secure lowest rates

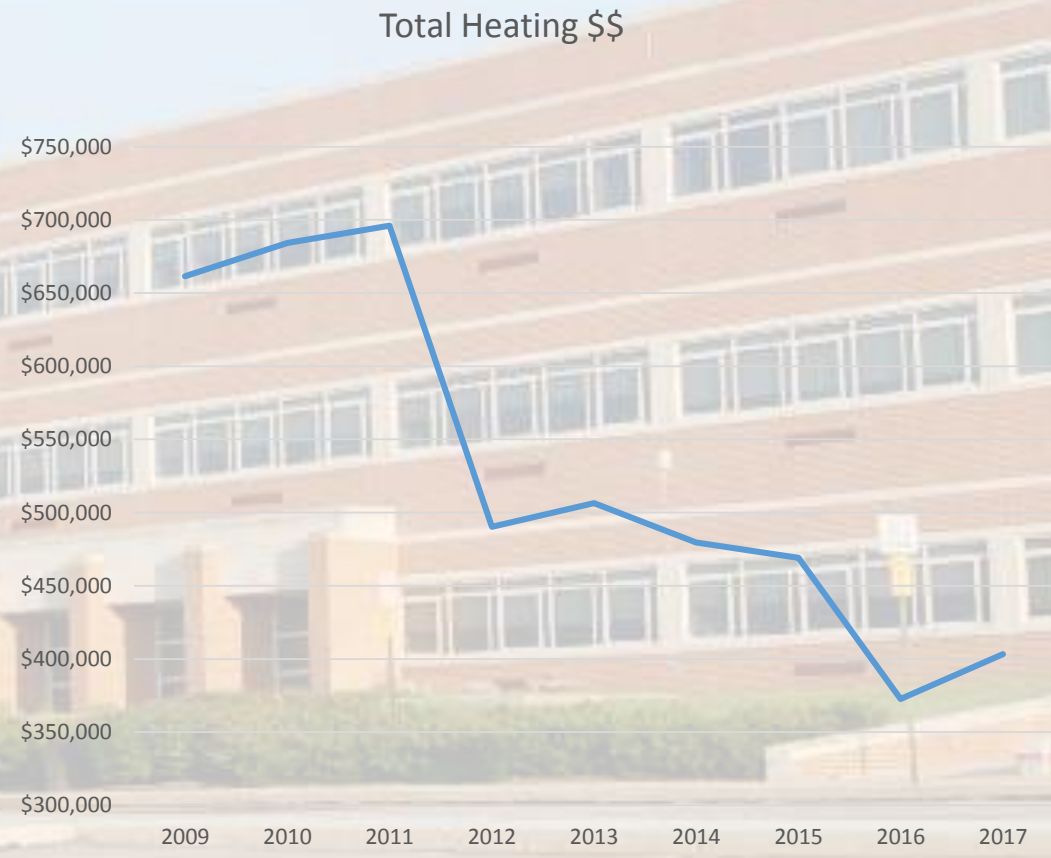
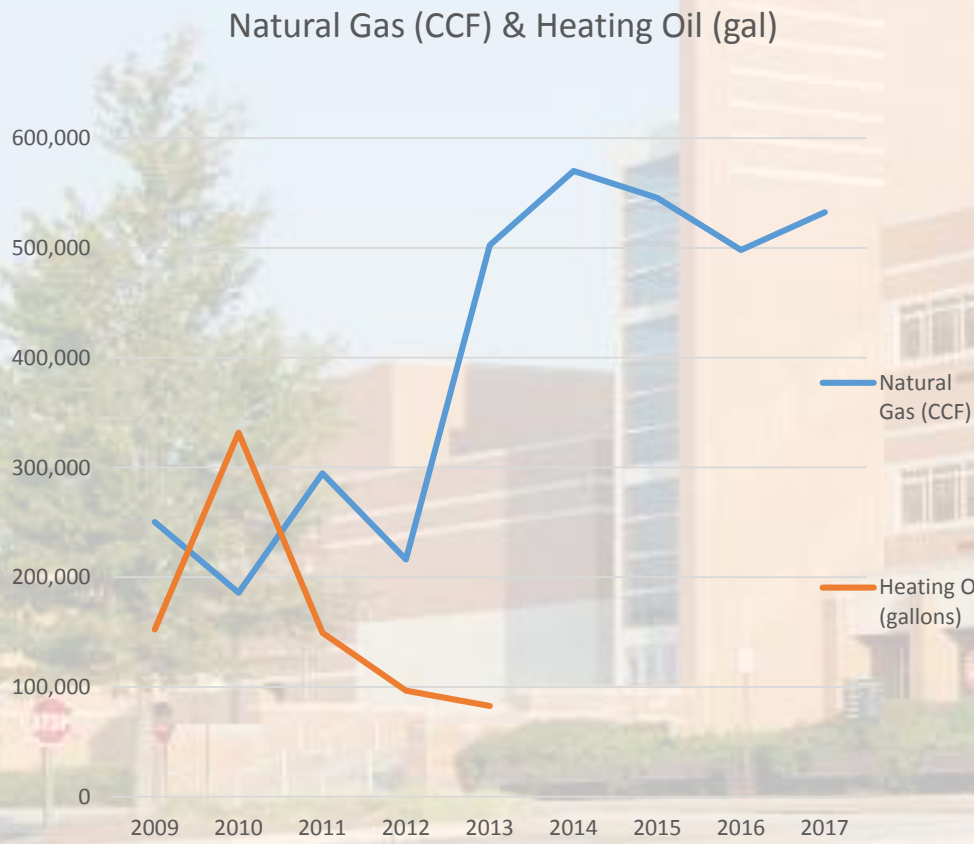
Operational Efficiencies

- Conversion to LED lighting
 - Renovation projects
 - Fixture replacement – NP Staff
- Demand Response Program - 2018
 - PJM Emergency Load Response Program (Projected Revenue = \$27,561)
 - PECO ACT 129 Program (Projected Revenue = \$2,091)
- Summer energy conservation (modified set points/schedule)
 - HVAC Systems are shut down Thursday evening through Monday morning
 - Setpoints are raised a few degrees (depending on the area of the building)

Historical Electric Consumption



Historical Heating Fuel Consumption





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Questions/Comments/Thoughts