



Opportunities in Energy Management for Neptune Township

Neptune Township Committee Meeting
August 13, 2018

My Role Here



- Master's student of Environmental Sciences & Management
- Placed at Sustainable Jersey
- Goals:
 - Reduce energy usage
 - Quantify financial savings
 - Secure grants
 - SJ certification support



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EDF CLIMATE CORPS

What Neptune Has Already Done

- March 2018 Municipal Complex project
 - New boilers, water heaters, AC units, variable frequency drives and pumps



Results:

- Save **\$8,828** annually
- **7,558** fewer therms/year
- 20% lower gas bill annually
- **10,880** fewer kWh/year



That's the equivalent CO₂ reduction of removing **21 passenger cars** from the road every year!*

21 X



Resulted in Energy Star score improvement from **60** to **67**.
Buildings with 75+ score are eligible for certification.



*Source: [EPA CO2E Calculator](#)



New Opportunities for Neptune Township

- Direct Install lighting & equipment upgrades for the Senior Center
 - Up to 70% installed costs paid
 - Cover 30% with 3 year 0% on-bill financing from NJNG
- Smart Start Lighting upgrades for the Municipal Complex
 - Rebates for LED lighting
 - 10 year 0% APR on-bill financing from NJNG

→ Finance upgrades with state programs & energy savings!



New Opportunities for Neptune Township

- Department of Public Works new construction qualifies for Pay for Performance grants
 - Build new facility 5% above code
 - Receive minimum **\$70,087** towards project
 - Operational savings over facility lifetime



A Greener Neptune

- Sustainable Jersey certification
 - State certification program for sustainable communities
 - Applying for Bronze level
- Continue tracking & reducing energy usage
- Establishing Green Team priorities with support from leadership



Thank you!

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