Lansdowne Borough

Electricity
Lansdowne Borough Profile

- 10,500 residents
- 1.2 square miles
- 25 miles of streets
- Grid pattern development “blocks”
- Relatively dense – second-hand, first-generation suburb
Electricity | Municipal “Footprint”

- 15 traffic light controlled intersections
- 625 street lights
- 6 buildings (admin/police, fire house, library, community center, public works)
- Vehicles: 4 fire, 6 police, 5 sanitation, 5 streets

- One FT Facilities Manager
Recent History

- Borough leadership
- Environment Committee of Borough Council oversees energy, parks, sanitation/recycling
- 2011 Lansdowne Borough secured a grant through PA Conservation Works!
- $500k, five municipalities, 500 lights, 25 traffic controlled intersections (incandescent to LED)
- Energy audit of Borough facilities—Practical Energy Solutions / Delaware County PA Conservation Works!
- Delaware County PA Conservation Works! Grant to reduce energy consumption of interior lights
  - Firehouse, Borough Hall, Library
- Borough Hall window replacement
- TCC Historical building (insulation, snipe porch, concrete pad)
- Split climate zone for Borough Hall to match use/operations
- LED lights in parks
Annual Traffic Light Expense

$2,000 - $20,000

2011 2012 2013 2014
Strategies

- Accurate knowledge of electricity use and loss
- Well-developed (shovel-ready) projects for improvements, alternatives
- Regular tune-up plan: inspections, filters, user education (turn off lights)
- Energy-impact projects can be incorporated into projects where energy is not the primary driver of the project.

In Lansdowne....

- Most buildings are relatively small, older, retrofitted.

For example....

- The borough hall/police was a firehouse
- The firehouse is over top of a demolished school
- The community center was a women’s club
- The newer library was constructed to be a stand-alone police station
Financial and Miscellaneous

- Each facility has a repairs and maintenance budget
- Use these funds to leverage utility savings per building
- Larger project require capital improvement funds, encumbered
- Modularity
- Incremental
- Weaving changes into ongoing maintenance
- Internal knowledge
- External technical Assistance