

DVRPC's Energy Implementation Work

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Overview of two implementation-focused project areas:

1. Regional Streetlight Procurement Program
2. Solar Energy Work

Regional Streetlight Procurement Program

Technological

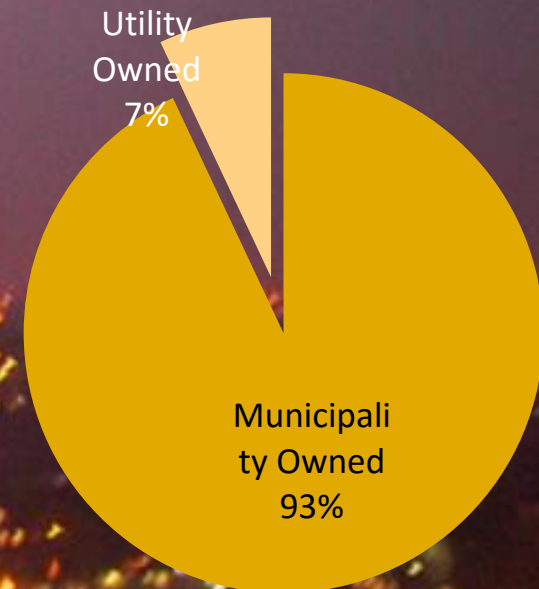
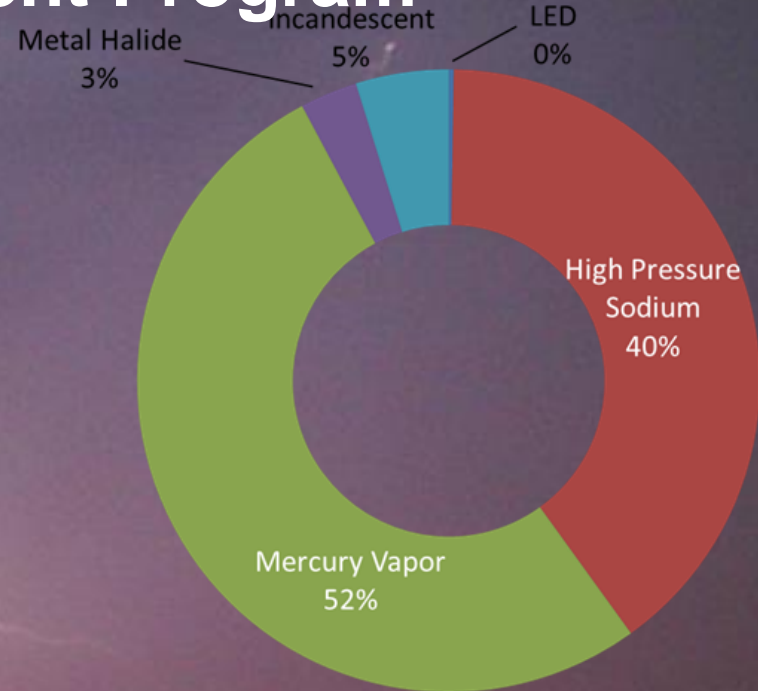
- LED performance improvements
- Successful pilots in the region

Regulatory

- Municipal ownership of streetlights
- Utility recognition of LEDs

Financial

- LED costs dropping
- Pennsylvania Sustainable Energy Finance (PennSEF) Program



The Perfect Storm for a Retrofit

Regional Streetlight Procurement Program

Program Goal

Assist municipalities in overcoming barriers to energy efficiency projects (LED Streetlights)

- Lack of technical expertise
- Limited access to capital
- Small project size
- Lack of trust in ESCO process



Program Objective

- Municipalities access **energy performance contracting and project finance**
- Pooling projects: economies of scale
- Transparent, competitive pricing
- Common timeline

Program Scope

- Oct. 2015, DVRPC issues Joint RFP for a single energy services company (ESCO). **RFP includes specification for streetlights.**
- DVRPC and technical advisor (TA) manage ESCO.
- Municipalities decide according to common project timeline
- Pooled Procurement and Financing



Program Results

- 35 out of 45 municipalities proceed
- ~28,000 Outdoor Lighting Fixtures
- ~\$13 million dollar project total (Average project size ~\$350K (range: \$22K - \$2.2M))
- Low-interest financing achieved
- **Annual savings: 7,282,834 kWh; 3,759.7 MT CO2e; and \$1,4M.**

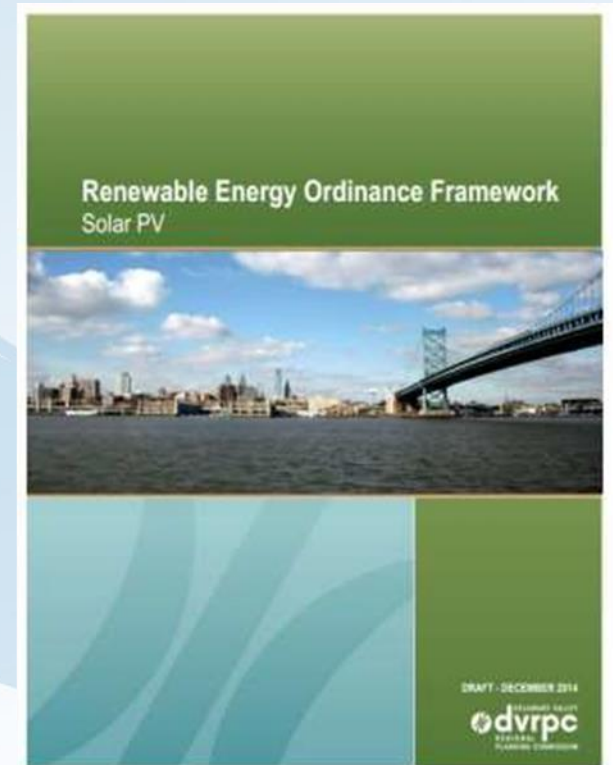
RSLPP Project Partners



DVRPC's Solar Energy Work

Focus: Soft cost reduction and regional regulatory consistency

- Providing **one-on-one technical assistance to eight municipalities** in (PA) on achieving designation (SolSmart, U.S. DOE Sunshot)
- **Renewable Energy Ordinance Framework for Solar PV:** Regionally consistent guidance on developing a solar ordinance for solar PV with sample language and explanatory guidance.
- **Solarize technical assistance**
 - **Solarize Greater Media: 37 systems, 274kW installed**



A stylized, light blue graphic of a suspension bridge tower and cables is positioned on the right side of the slide, extending from the top to the bottom. The background features abstract, flowing light blue shapes that create a sense of movement and depth.

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