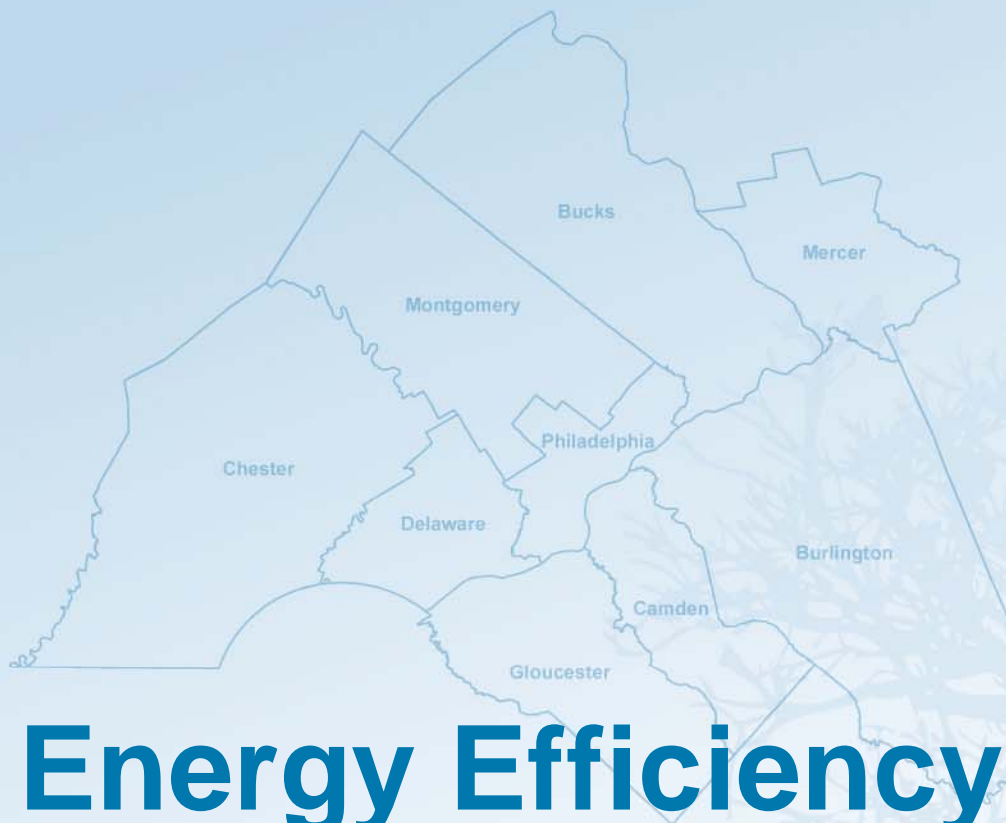


January 31, 2011



# Energy Efficiency Circuit Rider Program

*Sustainable Skylines Roundtable*

*DVRPC - January 31, 2011*

*Rob Graff*

*Manager, Office of Energy and Climate Change Initiatives*

# Energy Efficiency Circuit Rider Program

- Focus: Energy efficiency in municipal operations.
- Municipalities in Bucks, Chester, Delaware, Montgomery Counties.
- County-level training workshops on tools and strategies for managing energy use in municipal operations
- Customized resources, analytical tools, and information on where to go for implementation funding
- Close coordination with counties, utilities, and other regional, state, and national partners who provide funding, additional technical assistance
- Direct one-on-one technical assistance for up to six committed municipalities per county

Circuit Rider: “any professional who travels a regular circuit of locations to provide services”

# Circuit Rider Program

## What it is:

- Three year program: February 2011– January 2014
- One-stop-shop for information on improving energy management in municipal operations
- County-level forum for project development
- For traffic signals, county-level purchasing and training consortium

## What it is NOT:

- Program for direct funding of energy efficiency investments



# DVRPC Baseline Analysis Tool

- Key tool for Circuit Rider Program
- Baseline energy analysis of energy use, energy cost, and GHG emissions associated with each sector of municipal operations
  - (e.g., buildings, fleet vehicles, outdoor lighting, and W/WWTPs).
- First step in identifying and prioritizing cost-effective solutions for energy and GHG emissions reductions
- Baseline will enable local governments to identify sectors of their operations that are consuming the greatest amount of energy at the greatest cost
- Includes general guidance, data collection sheets, calculators, and links to external resources/funding opportunities

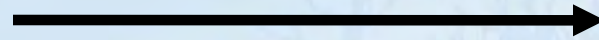
# Baseline Analysis

Enter  
Energy  
Use Data

Buildings  
and  
Facilities

Vehicles

Outdoor  
Lighting



*ESTAR Portfolio  
Manager*

*Custom  
spreadsheet*

*Custom  
spreadsheet*

Summary of  
Operational  
Sectors

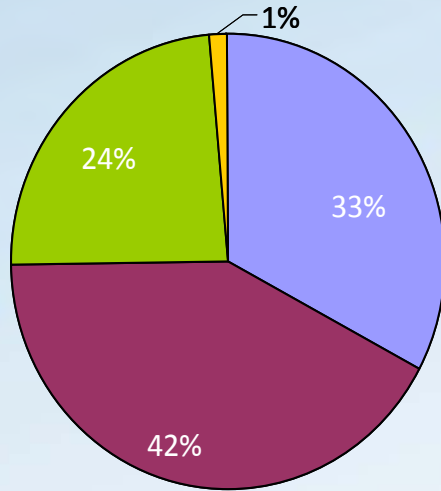
Energy  
Use

Energy  
Cost

GHG  
Emissions

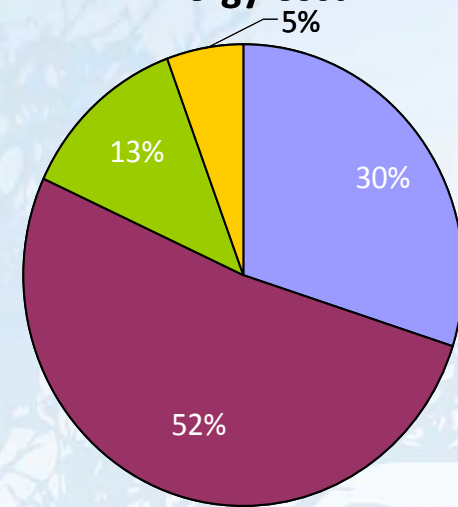
# Energy Analysis London Grove Township

### Energy Consumption

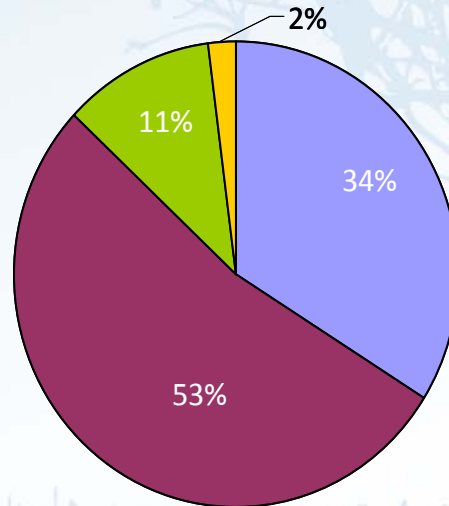


- Buildings
- Water/Wastewater
- Vehicles
- Outdoor Lighting

### Energy Cost



### GHG Emissions



# Drilling down: DVRPC Outdoor Lighting Analysis Tools

## Traffic Signals

- Enter information directly from municipality's PECO bill
- Based on new (January 2011) tariff
- Calculates savings for converting to 100 percent LEDs
- Includes PECO Act 129 incentive payments

## Streetlights

- Enter information directly from municipality's PECO bill
- Based on new (January 2011) tariff
- Calculates savings for converting to more efficient technology
- Includes PECO Act 129 incentive payments
- Includes financing analysis



# Next Steps

Contract with US EPA in final stages

County-level kickoff meetings in April or May – Stay tuned

Please be sure to sign in today to be added to mailing list