

CIRCUIT RIDER PROGRAM







ENERGY EFFICIENCY AT WATER & SEWAGE TREATMENT FACILITIES

SPONSORED BY:







8:00 am Donuts, coffee, and registration

8:30 am Conference program begins

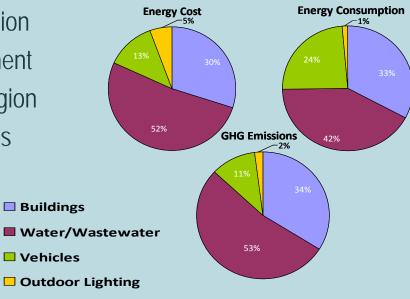
11:30 am Lunch

3:30 pm Conference concludes



Energy Efficiency at Water & Sewage Treatment Facilities

- Energy costs at water and sewage treatment facilities can account for a significant portion of municipal energy costs.
- Energy costs are highly controllable. Managing energy is an opportunity to realize significant cost savings at your facilities.
- What we want you to get out of today:
 - How to track your energy consumption
 - Best practices for energy management
 - Success stories from around the region
 - Resources for implementing projects









Source: DVRPC, London Grove Township Municipal Authority, 2010

Buildings

Vehicles



Who is represented today?

Wastewater treatment plants ranging from 0.12 - 200 MGD

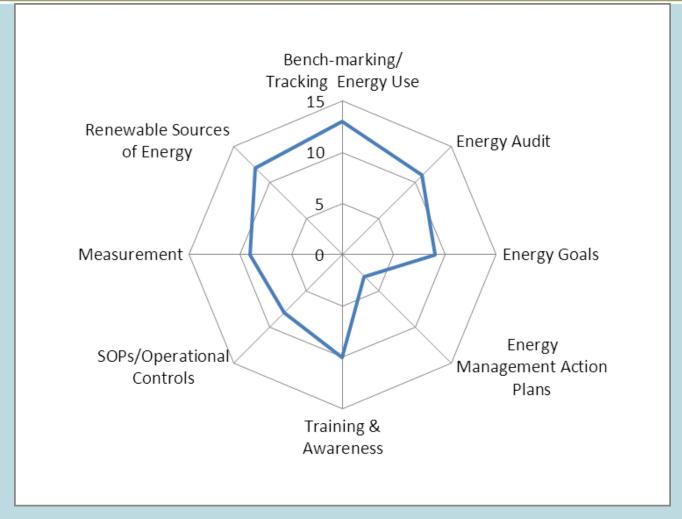
- 5 plants between 0.0 1 MGD
- 7 plants between 1.1 5 MGD
- 6 plants between 5.1 10 MGD
- 3 plants between 40 200 MGD







Radar Graph Exercise





Source: Madeline Snow, UMass Lowell



Energy Policy

Does your facility have an energy management policy? (1)





Plan-Do-Check-Act Approach

Are you familiar with the Plan-Do-Check-Act Approach? (4)





Energy Tracking

Are your monthly utility bills reviewed? (7)





Benchmarking

Is someone at your facility familiar with energy benchmarking tools. And/or currently benchmarks your facilities energy use? (9)





Energy Audit

Has your facility ever conducted an energy audit or does it plan to conduct one in the next year? (10)





Energy Goals

Does your facility have quantitative energy improvement goals? (13)





Training & Awareness

Is the staff at your facility of energy management issues? (19)





Operational Controls/SOPs

Are there written signage/instructions/etc. to support energy management? (22)





Measurement

Does your utility monitor and measure energy use by type of equipment and/or process? (25)





Financing

Has your facility utilized public or private financing in the past to finance measures that save your facility energy?

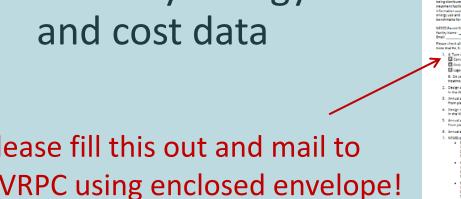


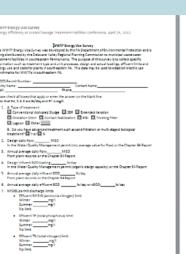


"WWTP Energy Use Survey"

- Wastewater treatment facilityspecific
- May be used to establish electric use benchmarks for WWTPs in southeastern PA.
- Survey also asks for monthly energy use and cost data

Please fill this out and mail to DVRPC using enclosed envelope!















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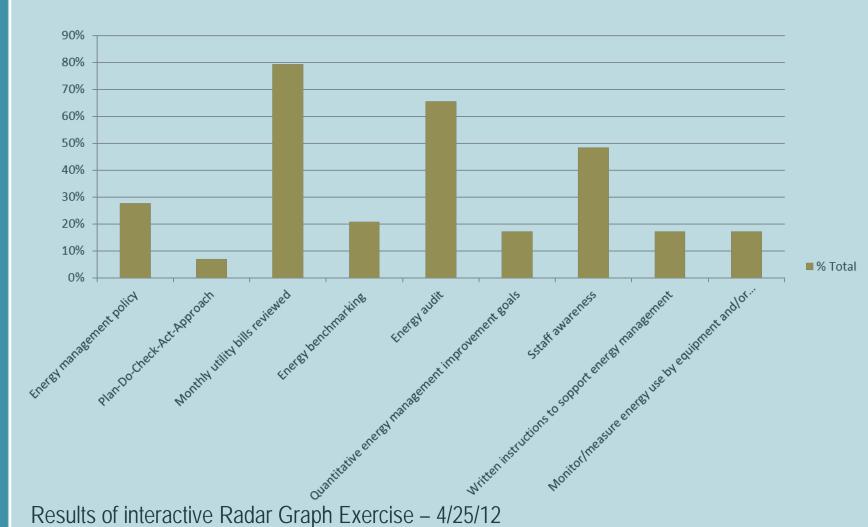




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Radar Graph Exercise







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