Save Energy – Save Everything

O & M Measures to Increase Treatment Plant Efficiency
Speakers

- Jim Baird
  - Roseburg Urban Sanitary Authority
- Janet Gillaspie
  - Oregon Association of Clean Water Agencies
Energy Discussion

- No cost energy services
  - Audit
  - Focus
- Getting Started
  - RUSA experience
  - Sustainable Energy Management System
- Efficiency Investments
- Renewable Investments
No Cost Energy Services

- Get an energy audit

- Served by Pacific Power?
  - Contact Energy Trust and its program delivery contractor
  - Contact RHT Energy Solutions – phone at 541.770.5884

- Served by BPA (PUD, coop or muni)?
  - Contact Dawn Lesley - dawn.lesley@energysmartindustrial.com
O & M Energy Checklist

- Specific items for saving energy/saving money
- Systems
  - Blowers & Aeration
  - Pumping
  - UV disinfection
  - Motors
  - HVAC
  - Lighting
  - Etc.
Sustainable Energy Management Systems

- SYSTEM to bring energy management into focus at treatment plant
- Training available
  - ODOE/US DOE training program starting
  - Energy Trust of Oregon program for large energy users
Efficiency Investments

- Upgrades and improvements
  - Blowers
  - Aeration
  - Pumps
- Incorporate energy efficiency into all purchase decisions
- Use available incentives
  - Engage BEFORE purchase
Renewable Power Investments

- Existing aerobic digester?
  - Evaluate co-generation
  - Possible additional feed stock revenue stream
- Solar P/V
  - Panel prices dropping
- Small wind
- Partner
  - Use existing incentives
Energy Resources

- Oregon ACWA web site
  - www.oracwa.org
    - ‘Committees’
    - ‘Energy’

- Information on
  - Energy Audits
  - O & M checklist
  - Sustainable Energy Management Training
  - Biogas use
  - More...
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