

Commercial & Industrial and Customer Renewables

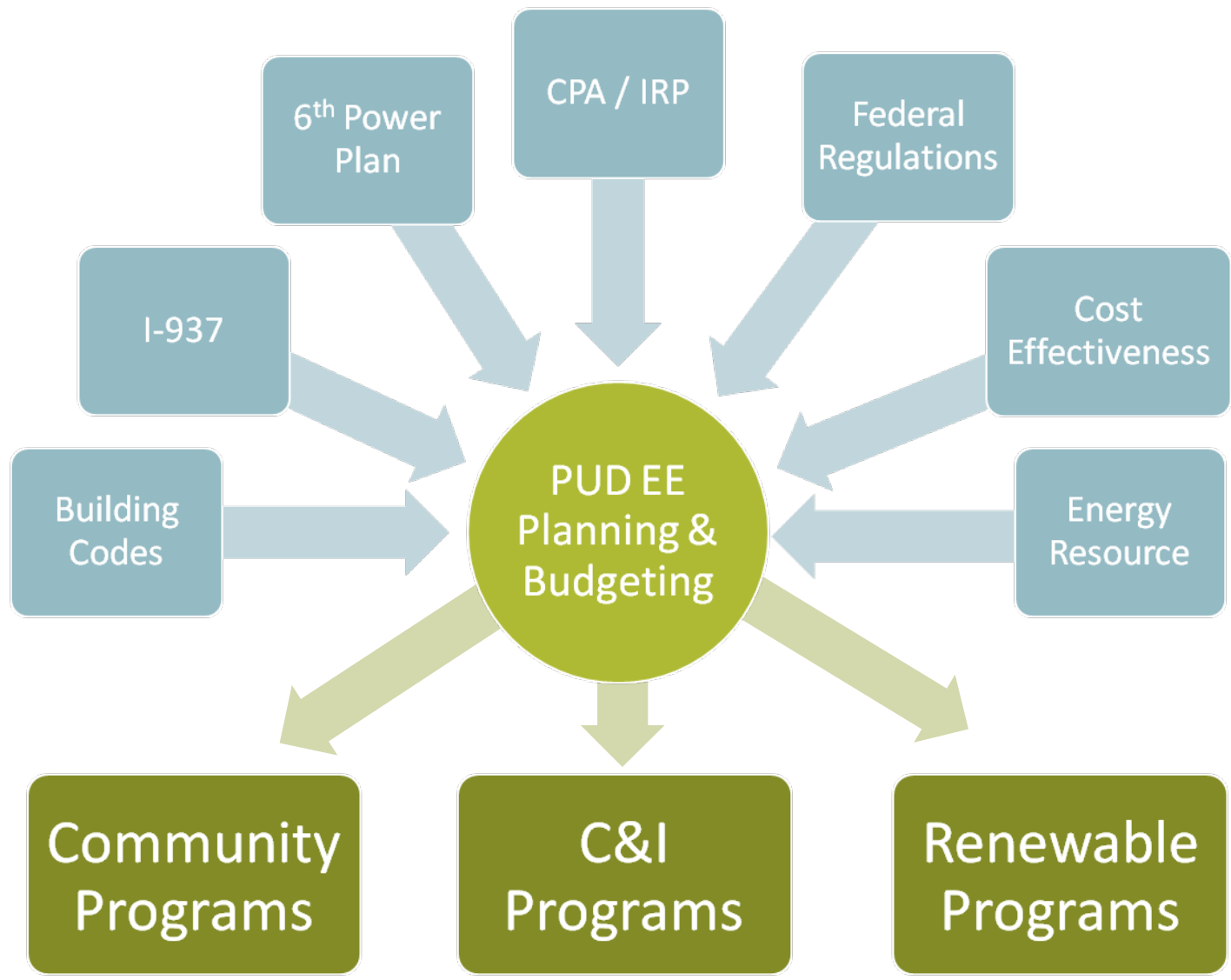
Giving you the Power to Succeed

Suzanne Frew, P.E.
Manager Commercial, Industrial and
Customer Renewables

June 8, 2011



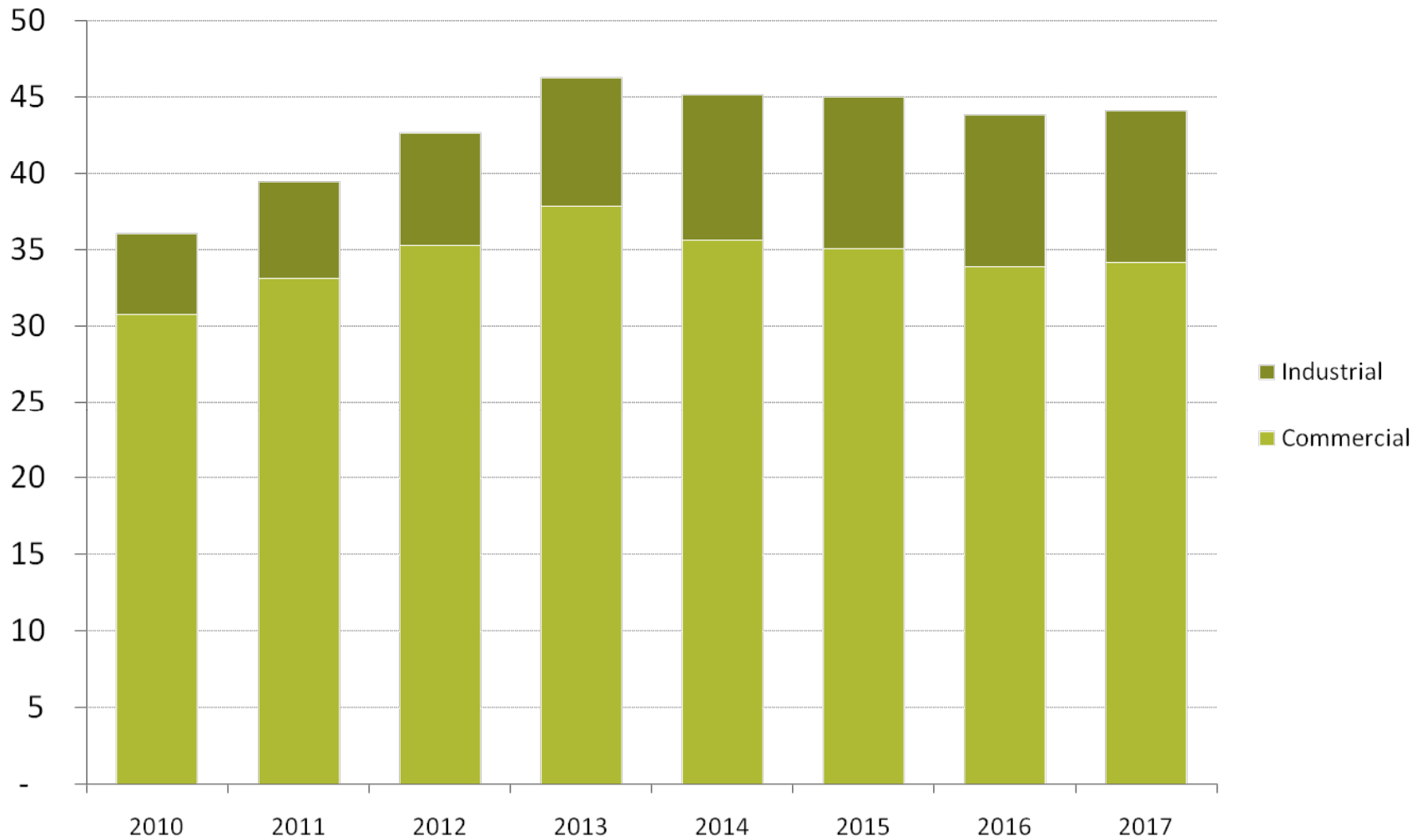
Commitment to Energy Efficiency & Renewables



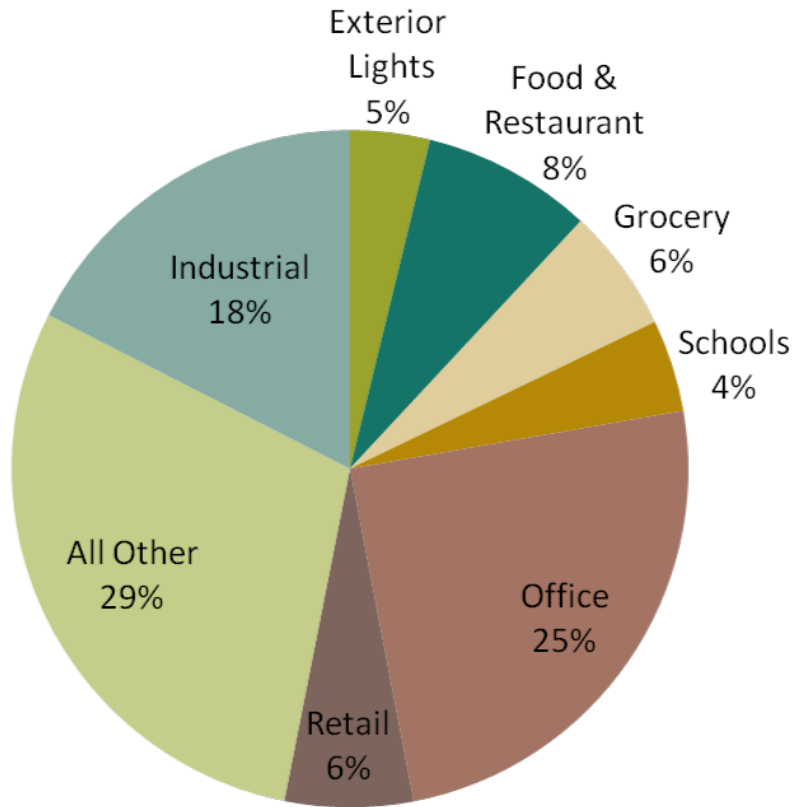
Aggressive O&M Conservation

Targets

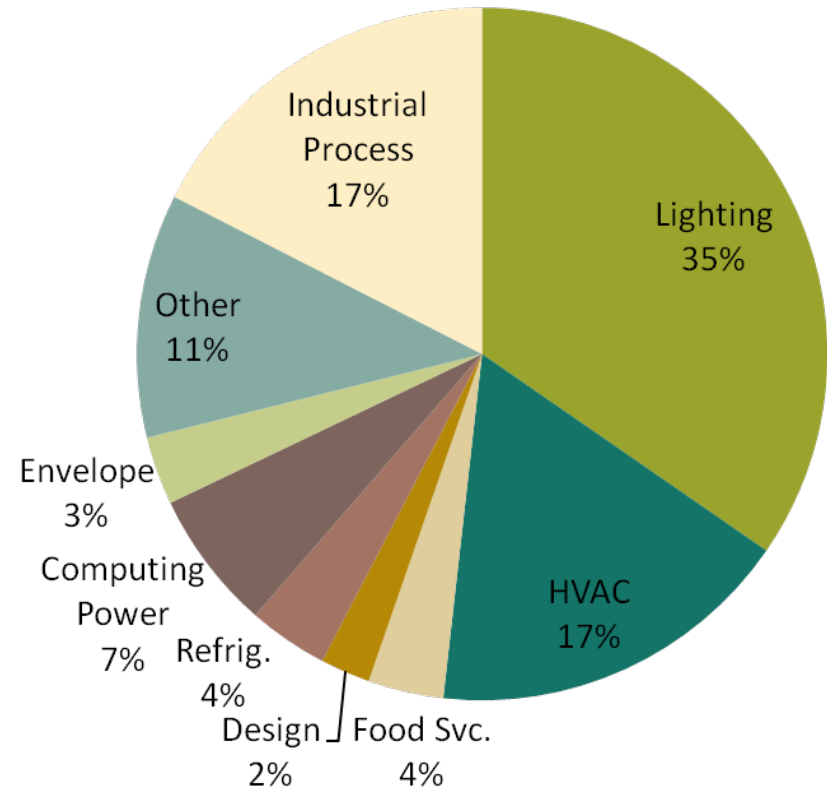
kWh (millions)



Potential



By Building Type



By Measure

53 aMW

2011 C&I Goals

- 32,412,000 kWh base goal
- PUD direct programs
 - 29,784,000 kWh – *enough to power 2,350 homes*
 - **\$7,600,000** incentive budget – *about \$23 million in construction costs*
- Regional programs
 - 2,628,000 kWh – *another 210 homes*

Q&A Incentives — Existing Buildings

- Lighting rebates up to \$15,000 per project
- Custom lighting and lighting controls, 20¢ per kWh estimated annual savings.
- HVAC and other equipment (heat pumps, air conditioners, chillers, ASDs etc.) which exceed code requirements: 20¢ to 30¢ per kWh estimated annual savings
- PC power management, commercial kitchen equipment, green motor rewind rebates
- Maximum incentive — 70% of project cost

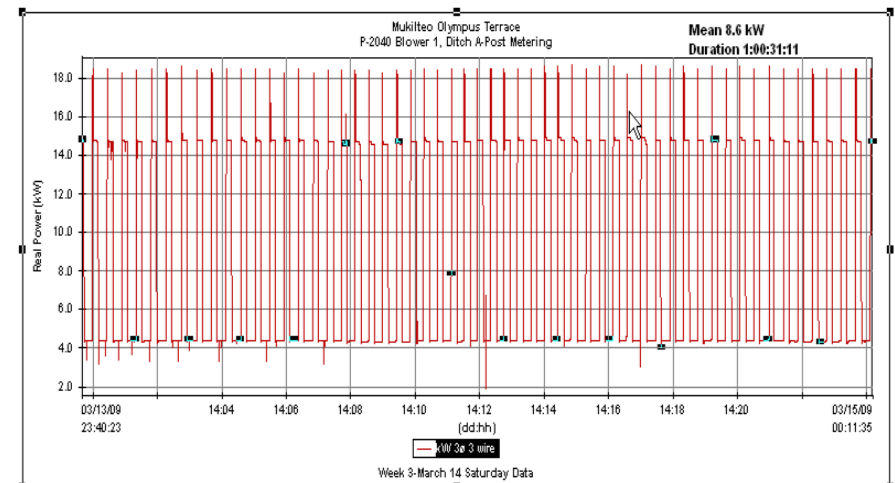
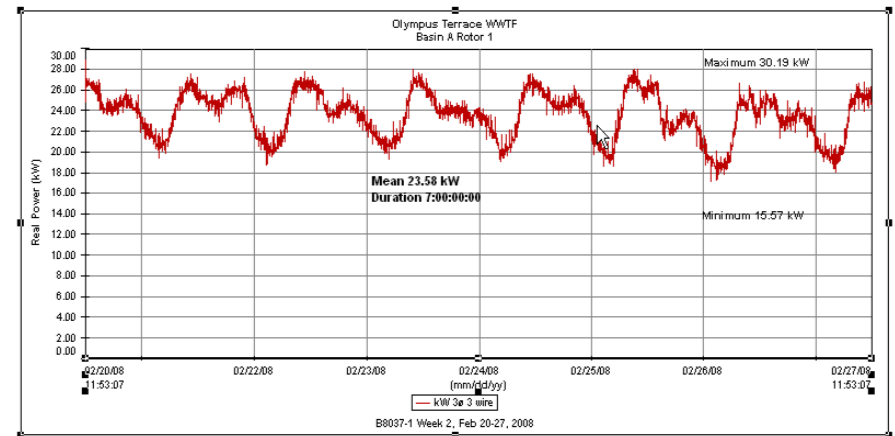


Process/System Improvements

- Refrigeration, pumping, data centers, compressed air, other
- Metering to inform estimates
- Metering to verify and document results
- 30¢ per kWh



ings



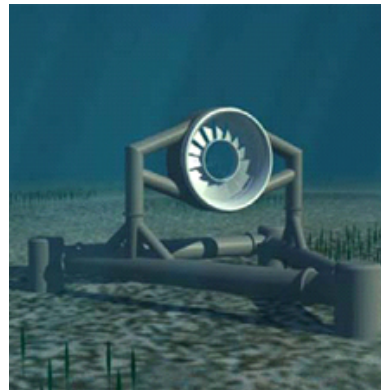
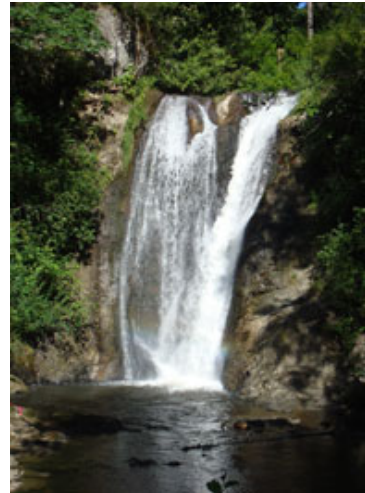
Construction

- **Lighting:** variable incentive from 15¢ per kWh to 25¢ per kWh estimated annual savings, 20¢ per kWh for controls.
- **HVAC and other equipment:** incentives of 20¢ to 30¢ per kWh estimated annual savings.
- Project / equipment must exceed code requirements by at least 10% to qualify.
- Maximum incentive = 50% of material costs, or full incremental cost.



Focus on Local Renewable Generation

- **Tidal**
Admiralty Inlet pilot - 2 turbines
- **Geothermal**
Deep well drill north of Index
- **Low Impact Hydro**
operating three existing sites,
evaluating others
- **Solar**
Demonstration sites and customer
incentives for PV and SHW
- **Biomass/Dairy-Digester/ Landfill
Gas**
reliable “base-load” projects



What it Means for You

- We will be paying close attention to project completion dates and milestones
- Contact us early – bring us your ideas, we'll be glad to work with you; ongoing relationship is key
- Tell us about new plans or projects for 2011 and 2012 so that we can plan our budget appropriately
- Keep us informed about changes in project schedules or scope
- Provide documents that describe your project including bids, submittals, drawings, etc.
- Keep in touch from project development through installation
- Note that Authorization is required prior to project installation



Questions?

Thank You.....

**C&I and Customer
Renewables Manager,**
Suzanne Frew

Program Managers:

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 - 425-783-1772
- Sinh Tran, Custom Programs
 - 425-783-8248

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- Tom Hovde
 - 425-783-1703

Field Engineers

- Jim Conlan
- Steve Forck
- Dave Hunt
- Jewon Kim
- Ronn Larpenteur
- Patrice Lundquist
- Ken Satre

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