

House Natural Resources Committee

Washington Electric Cooperative

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About WEC

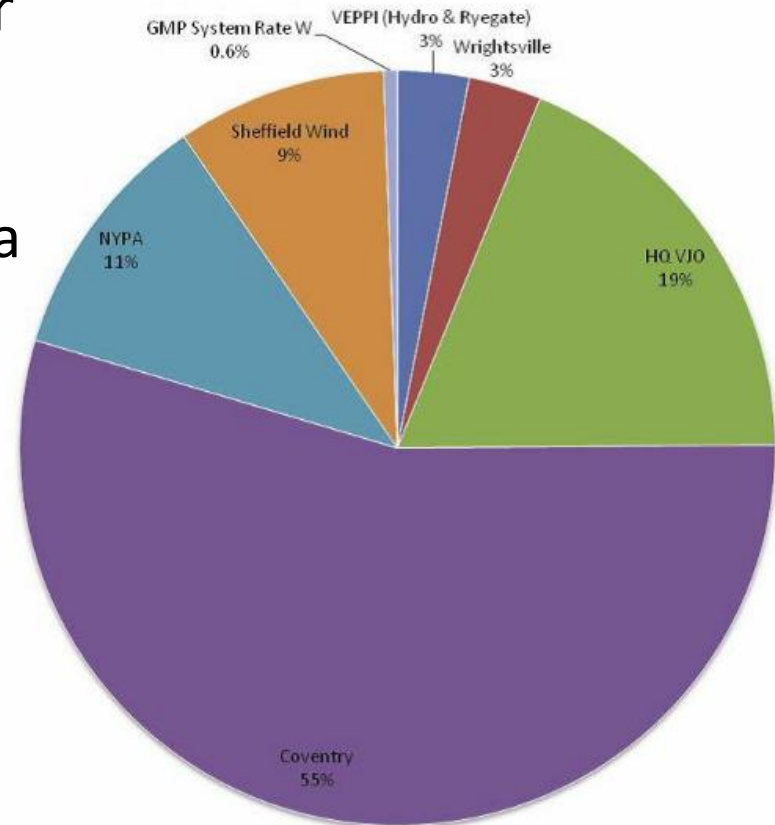
- Electric Cooperative – Not for Profit
 - Established in 1939
- Peak 16 MW (Winter)
 - State of VT ~ 1,000 MW Peak (Summer)
- 70,000 MWH Retail Sales Annually
- 1% of State Load
- 11,000 members
- 41 towns 4 counties Central Vermont
- 96% of our members residential
- Very rural and little commercial base
 - WEC 8 members per mile
 - GMP is 20 customers per mile
 - BED 87 customers per mile
- WEC largest cost driver is infrastructure (wires, poles, substations, etc)
 - Power Supply Costs ~ 7 cents/kWh
 - All other costs ~ 13 cents/kWh
- Average residential user ~ 500 kWh per month (12% less than statewide avg)



About WEC

- WEC supports renewable power
- WEC Supports Net Metering
 - Support DPS legislation with interim plan and long term fix via PSB
- Leader in Vermont and Nationally
- Before REC sales 120% renewable sources
 - Instate sources of power 70%
- Early adopter of Energy Efficiency since 1991

Washington Electric Coop - 2012 Sources of Power



Net Metering

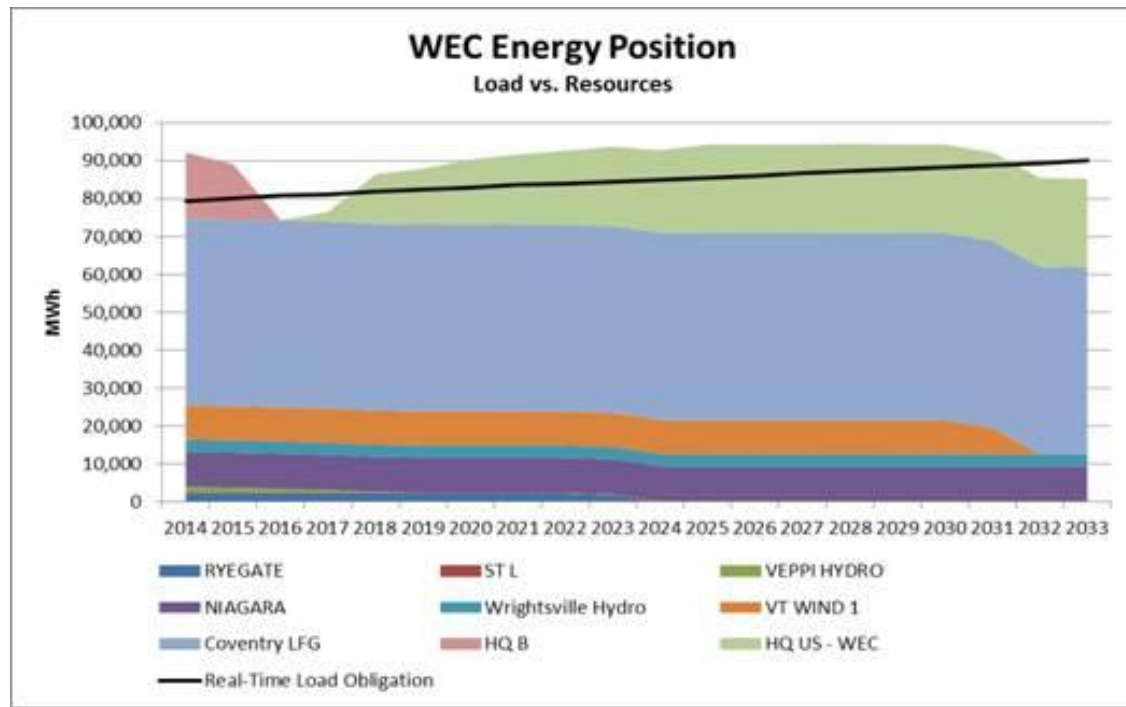
				1996 Peak kW	Oct 2014 - Oct 2015 Peak kW
				13,096	15,914
	Legacy Net Metering (installations prior to Oct 2013) kW	New Net Metering (Installations July 2014 to date) kW	Total Net Metering kW	Percent of 1996 Peak	Percent of last 12 month peak
CPGs Awarded	1,396.60	333.39	1,729.99	13%	11%
Systems Connected	1,396.60	272.55	1,669.15	13%	10%
Applications Pending	-	60.84	60.84	0%	0%

Net Metering

- Legacy (prior to Oct 2013)
 - 203 Members
 - Avg 6.0 kW
 - Max 57 kW
 - Min 0.6
- New Net Metering Program (July 2014 forward)
 - 49 Members
 - Avg 6.9 kW
 - Max 34 kW
 - Min 1.8 kW

WEC Existing Power Supply Commitments Long Term

- Net Metering:
 - No offset to WEC’s future sources of power
- Long term WEC is excess
- WEC future sources renewable based
 - Net metering more powerful for those utilities that need new sources of power
- WEC positioned to meet/exceed state goal of 90% renewable
- Net Metered energy offset to other Renewables
- Need an “off ramp” for utilities that reach 90% to offer alternative program structure



Distribution System

- Peak Holding at roughly 15 to 16 kW but increased from 1996
- Flat energy sales
- Combination of above:
 - Increasing transmission costs
 - Still need to build out wires and poles and delivery to peak day
 - Rate impacts
- Voltage impacts in some areas
- Engineering firm to assess system

Thank You

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