

Oregon's Renewable Energy Action Plan and Renewable Energy Working Group

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Oregon's Renewable Energy Working Group (REWG)

- Reports to Governor Kulongoski
- 44 members, including 4 legislators
- Began meeting in February 2006
- 22 meetings to date
- Charter is to guide implementation of Oregon's Renewable Energy Action Plan (REAP)
- Primary focus has been legislative

Renewable Energy Action Plan (REAP)

Oregon's Renewable Energy Action Plan



Prepared by the
Oregon Department of Energy
for
Governor Ted Kulongoski



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- Developed in 2005
- Delegates 51 specific action items to the REWG (6 solar and 11 biomass items were adopted later)
- Many other tasks are given to additional groups

Short-Term REAP Goals (2006)

- Find and implement effective solutions to the transmission capacity bottleneck between eastern and western Oregon
- All utilities in Oregon will offer customers a “stable-price” renewable energy product
- Complete an assessment of the feasibility of a renewable portfolio standard (RPS) for Oregon

Short-Term REAP Goals (2006)

- 300 MW of new wind energy resources developed, 10% from community projects
- 500 additional solar PV electric systems installed for a total of about 1 MW
- 200 5kW fuel cells installed
- Up to 4 MW of new low-impact hydroelectric generation



Short-Term REAP Goals (2006)

- 5 MW of new biogas generation facilities from wastewater treatment, dairies, and landfills
- 25 MW of new biomass-fueled electric generation
- 25 MW of new combined heat and power generation systems
- 20 MW of geothermal electric generation



Short-Term REAP Goals (2006)

- Diesel sold in Oregon will contain 2% biodiesel and Oregon gasoline will contain 2% ethanol
- 15 million gallons of biodiesel produced annually from Oregon crops or products and waste oils collected in Oregon
- 100 million gallons of ethanol produced annually



Long-Term REAP Goals (2025)

- New renewable energy generation will meet 10% of Oregon's total load by 2015 and 25% of the load by 2025
- 25% of state government's total electricity needs will be met by new renewable energy sources by 2010 and 100% by 2025



Long-Term REAP Goals (2025)

- All diesel fuel sold in Oregon to contain 5% biodiesel by 2010, growing to 20% by 2025
- All standard gasoline sold in Oregon to contain 10% ethanol by 2010
- 5% of all gasoline sold in Oregon to be an E-85 blend of ethanol and gasoline by the year 2015, growing to 15% by 2025

2005 Legislative Initiatives

- Energy Loan Program changes for more renewable projects (SB 735, SB 5503)
- Residential Energy Tax Credit (RETC) changes for solar electric systems that allow total credit up to \$6,000 over four years (SB 31)
- Net metering changes allow for biomass energy and other modifications (SB 84)

2007 Legislative Initiatives

- Biofuels package including Renewable Fuel Standard and tax credits (HB 2210)
- Tax Credit Changes - BETC increased to 50% for renewable projects; RETC increased maximum credit for fuel cells and wind generators to \$6,000 (HB 3201)
- Renewable Portfolio Standard (RPS) of 25% renewables by 2025 (SB 838)

REWG Proposals for 2009

- Developed 9 legislative proposals that were submitted to the Governor in fall '08
- Two REWG proposals chosen for the Governor's '09 Climate Change Package:
 - HB 2180 → Changes and expansion of BETC
 - HB 2121 → Production-based incentive pilot project for solar



REAP Working Groups

- For the Resource Specific actions, the REWG is utilizing existing networks:
 - Biomass Coordinating Committee
 - Wind Working Group
 - Geothermal Working Group
 - Solar Energy Working Group
 - Ocean Energy Groups
 - Small Hydro Working Group



REAP Progress

- Many REAP goals have been met and progress has been made in most areas of renewable energy development
- The REWG and other groups have made progress on REAP action items so far:
 - 49% Some or significant progress
 - 51% Little or no progress
- Key areas of progress: RPS, wind development, biomass and biofuels work, net metering, wind integration, and expanded incentives

Future Roles of the REWG

- Implementation of the Renewable Energy Action Plan
- Monitoring of the Renewable Portfolio Standard and Renewable Fuel Standard
- Evaluation of projects that could receive energy-related federal stimulus funds
- Forum for discussion of large scale transmission proposals versus smaller, distributed generation
- A voice for rural Oregon in renewable energy and green jobs