

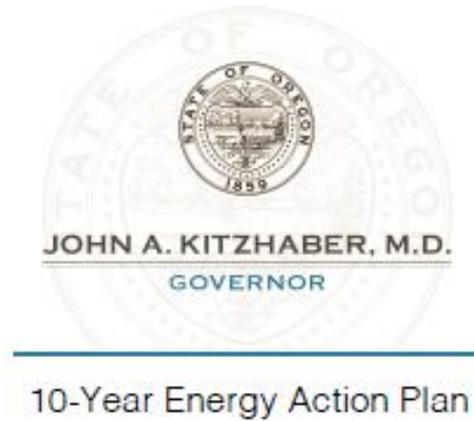


Summary of Oregon Department of Energy Activities

Robert Del Mar, Energy Analyst
Oregon Department of Energy



Oregon's Ten Year Energy Action Plan



10-Year Energy Action Plan

Oregon's Ten Year Energy Action Plan

Goal 1: Meet 100 percent of new electric load growth through energy efficiency and conservation



Goal 2: Remove barriers to developing clean energy infrastructure



Otis the Tractor by Loren Long

Energy Project Development

Purpose:

Encourage investments in conservation, efficiency & renewable energy resources.

How:

Through loans, tax credits, grants and compliance

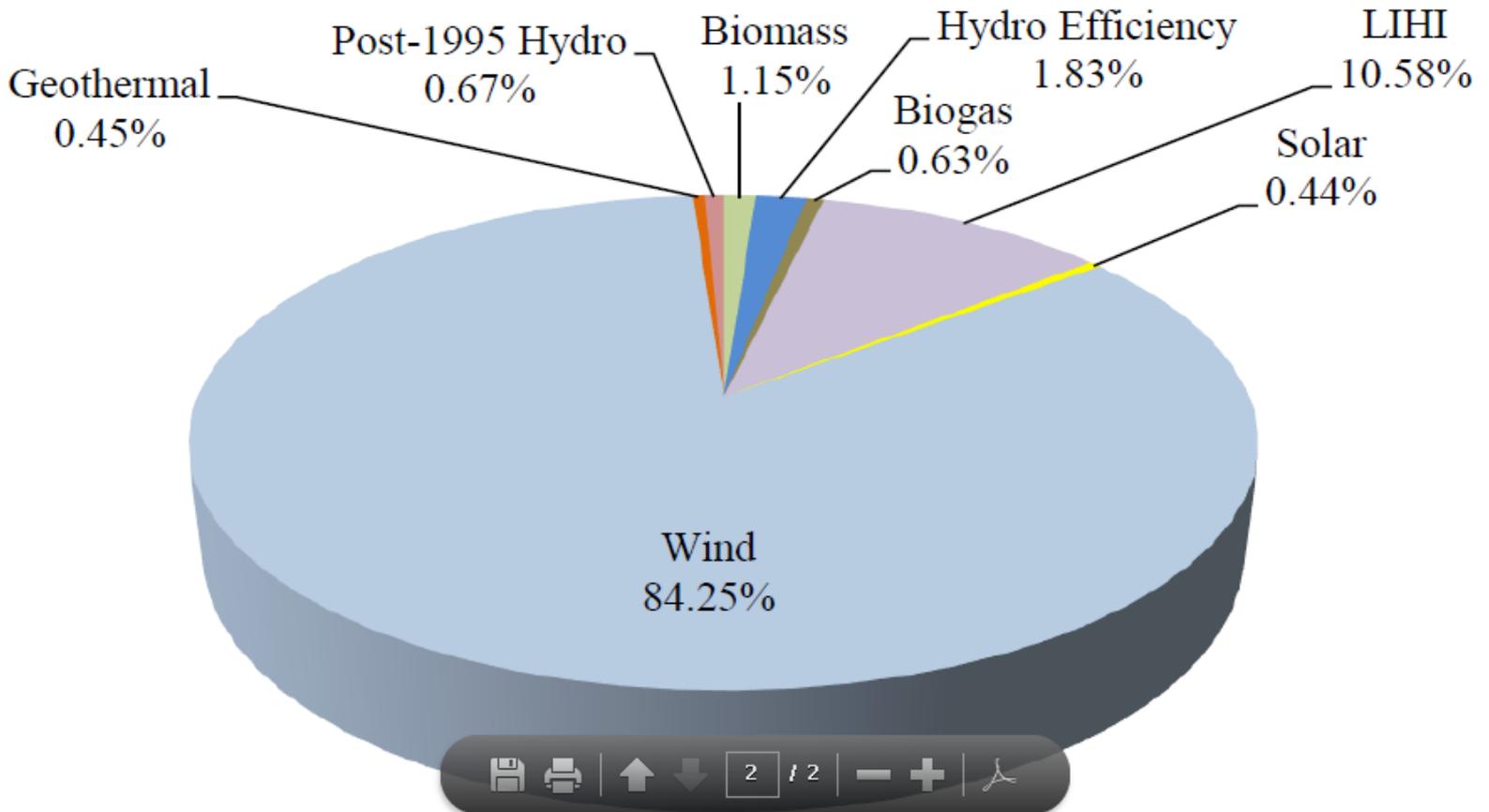


Oregon's Renewable Portfolio Standard (RPS)

- Created by Legislature in 2007
- Requires utilities to meet part of their load with qualifying renewable energy
- The largest utilities must provide 25 percent of their retail sales of electricity from renewable sources by 2025.
- Smaller utilities have similar, but lesser, obligations.

Oregon's Renewable Portfolio Standard (RPS)

Resources Registered for the RPS by MW Share¹



Solar Capacity Standard

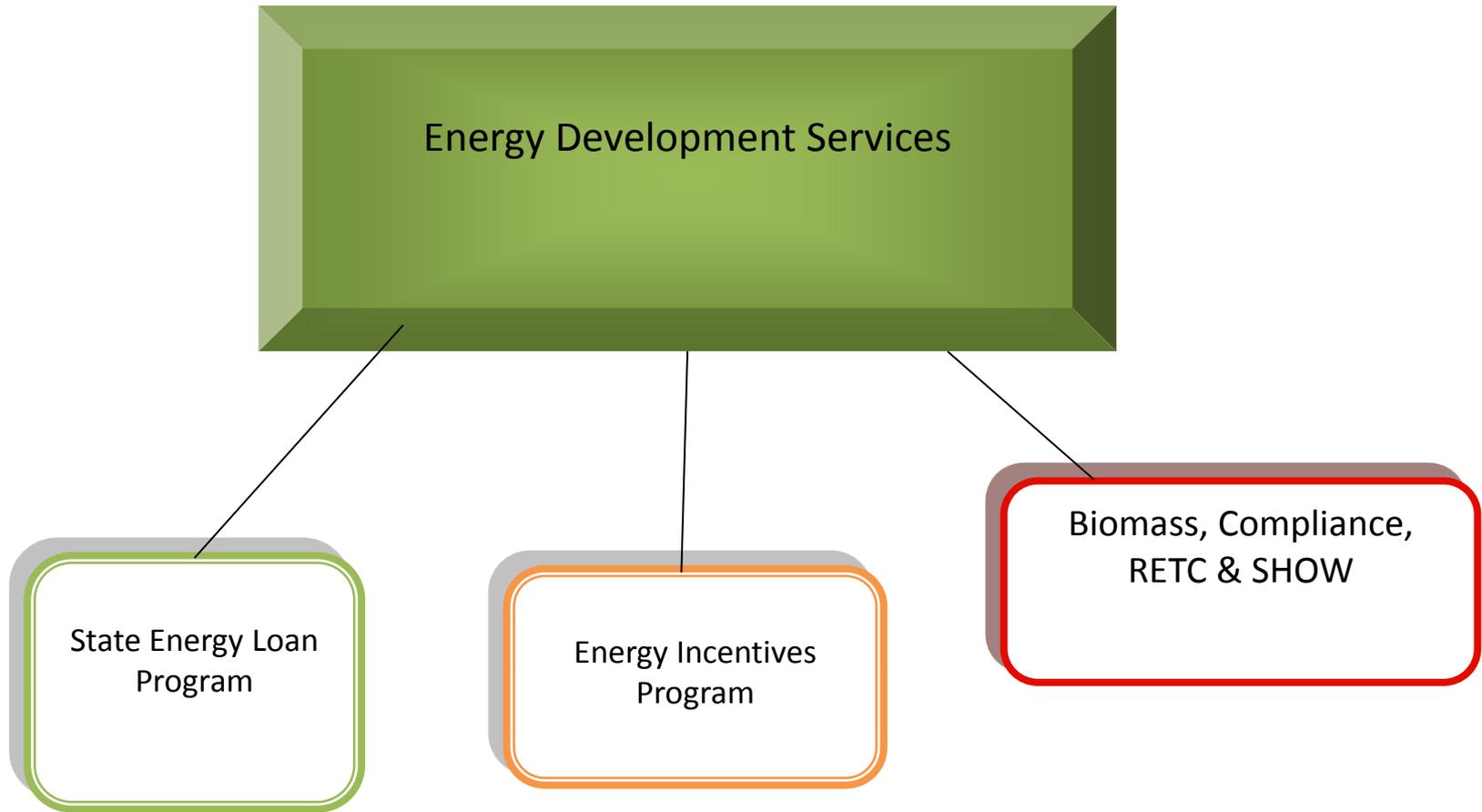
- Investor owned utilities must procure the following solar capacity by 2020
 - Portland General Electric: 10.9 megawatts
 - Pacific Power: 8.7 megawatts
 - Idaho Power Company: 0.5 megawatts

Outback Solar Project in Christmas Valley



Photo courtesy of Obsidian Renewables

Division Services Overview

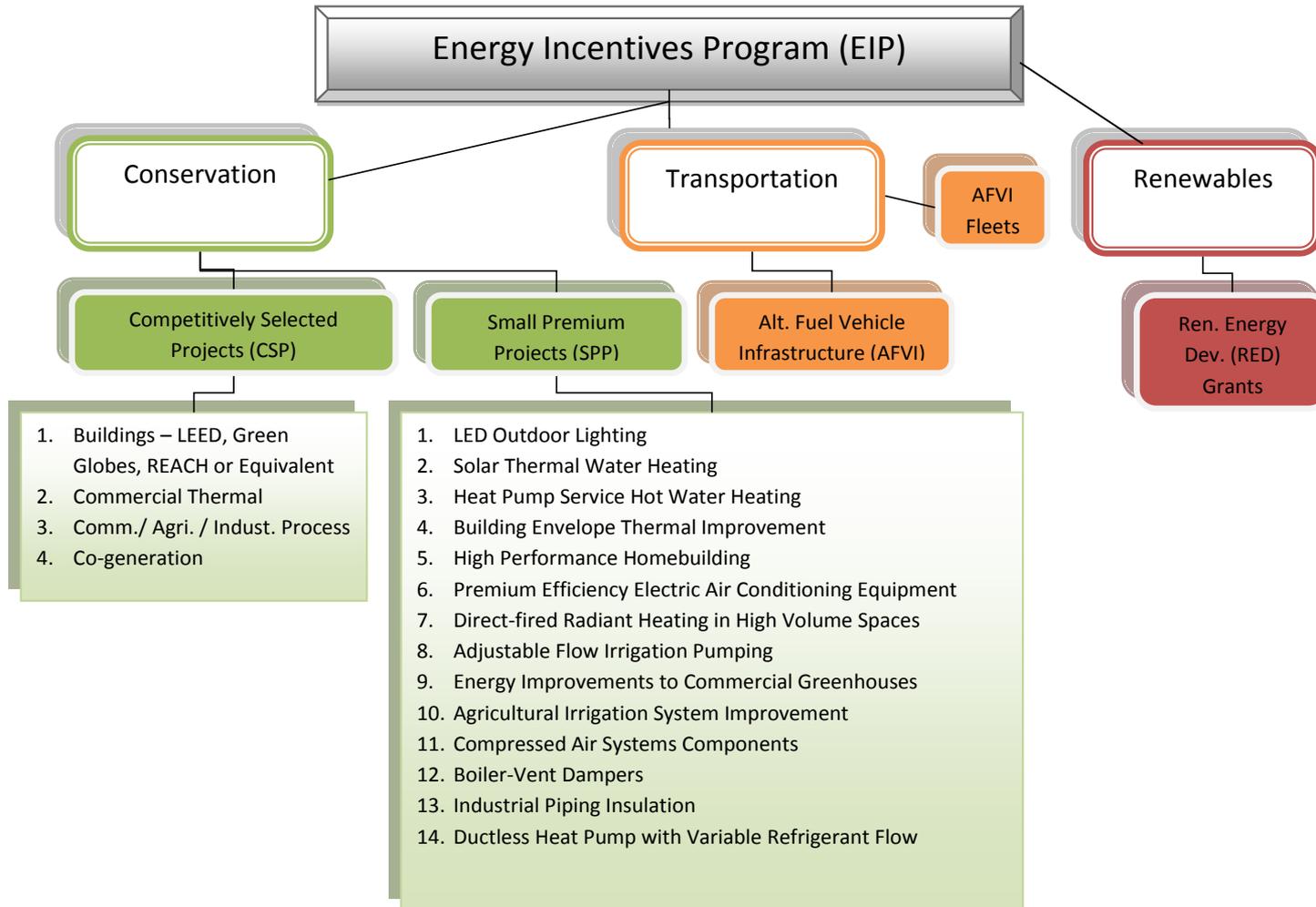


State Energy Loan Program

The program offers loans for projects that:

- Conserve energy
- Produce energy from renewable resources
- Use recycled materials to create products
- Promote use of alternate fuels

Energy Incentives



Energy Incentives Program

BETC	EIP
First in, first out	Competitive for conservation & renewables; FIFO for AFV projects; modified approach for transit
Fees paid at the time of application	Fees paid as application goes through the process
Conservation, renewable & transportation projects received tax credits upon completion	Conservation & transportation projects receive tax credits; renewable projects receive grants
Project had to apply for tax credit before financial commitment	Project must apply before start of construction or get a waiver

EIP –Competitively Selected Projects

Project Requirements

- Projects eligible for up to 35% of eligible project costs
- Renewable energy project incentives capped at \$250,000
- Construction must begin within 12 months of award notification

Application Process

- ODOE posts an opportunity announcement
- ODOE rates applications based on points

EIP – Renewable Projects

Project awards

- Projects compete for grants
- Funds generated from tax credit auction

Project Requirements

- Project must produce electrical energy
- Project cannot exceed 35 MW



3MW geothermal power plant in Paisley, OR
Project developed by Surprise Valley Electric Coop

EIP –Small Premium Projects

Project Requirements

- Eligible Project cost below \$20,000
- Projects eligible for prescriptive incentives up to 35% of eligible project costs
- No technical review, lower fees

Application Process

- Applications received on an ongoing basis. Prescriptive awards are non competitive.

House Bill 2801 Rulemaking

VOLUNTARY BUILDING ENERGY PERFORMANCE SCORE SYSTEMS

Purpose and Scope

These rules establish requirements of using a voluntary energy performance score system for the purpose of evaluating:

- (1) Energy conservation and energy efficiency of new and existing residential buildings in Oregon; and
- (2) Energy use in new and existing commercial buildings in Oregon.

House Bill 2801 Rulemaking

- HB2801 outlines criteria by which a formally approved score must comply
- New standards include certification requirements for Home Energy Assessors: CCB Certification Requirements (See [ORS 701.529 and 701.532](#), and [OAR 812-032-0000 through 0150](#))
- 3 existing scoring systems currently qualify including:
 - RESNET HERS ratings
 - US DOE Home Energy Score
 - Energy Trust of Oregon Energy Performance Score (EPS)

Home Energy Assessor Requirements

1. Possess a CCB license or work for a company that is licensed, bonded and insured (exception, municipal or public utilities) Annual renewal \$325. Plus cost of surety bond and insurance.
2. Provide proof of training (BPI, HERS, ORWX)
3. Pay a fee of \$100 to apply,
4. Initial one-year certificate \$100
5. Annual renewal \$100
6. Assessor certificates are for individuals, not companies. If an assessor works for a company that has a CCB license, he needs an individual assessor endorsement.
7. A Real Estate professional or Appraiser or Home Inspector is covered by their current licensure but must also get an HEPSC endorsement.
8. If an individual wants to create a business that only produces energy scores but does not install any measures or work on the house, he must still obtain a CCB license plus an HEPSC endorsement. Requirements for bonding and insurance are the same as required for any CCB contractor.
9. Employees of public utilities that are **not** required to hold CCB contractor licensure must still obtain HEPSC endorsement, but are exempted from bond and insurance requirements as long as they are representing the utility.



EPA's Proposed Clean Air Act Sec 111(d) Power Plant Rule

Ways to reduce emissions from existing power plants

Plant-level Option:

Base emission standards on the reductions that can be achieved by individual coal and natural gas plants by improving their efficiency and switching the fuels they use.

Fleet-level Option:

Base emission standards on the reductions that can be achieved by shifting generation from coal plants to natural gas plants and averaging emissions of all plants in a given state.

System-level Option:

Base emission standards on reductions that can be achieved by averaging the emissions of all coal plants, natural gas plants, nuclear plants, and renewable sources in a given state, and by reducing customers' demand for electricity through efficiency improvements.





Seeks to reduce PV system prices 75% over the 2010-2020 period

- NW Solar Partnership has just received a Federal SunShot Grant!
- Partnership includes Washington Department of Commerce, Oregon Department of Energy, Energy Trust of Oregon, Solar Oregon and NW SEED
- Streamline and harmonize permitting across jurisdictions
- **Streamline and harmonize Interconnection agreements**
- Streamline incentive applications

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