A Strategy for Oregon's Energy Future

50 YEARS of SERVICE

OREGON DEPARTMENT OF ENERGY

OREGON DEPARTMENT OF ENERGY

Leading Oregon to a safe, equitable, clean, and sustainable energy future.

Our Mission

The Oregon Department of Energy helps Oregonians make informed decisions and maintain a resilient and affordable energy system. We advance solutions to shape an equitable clean energy transition, protect the environment and public health, and responsibly balance energy needs and impacts for current and future generations.

What We Do

On behalf of Oregonians across the state, the Oregon Department of Energy achieves its mission by providing:

- A Central Repository of Energy Data, Information, and Analysis
- A Venue for Problem-Solving Oregon's Energy Challenges
- Energy Education and Technical Assistance
- Regulation and Oversight
- Energy Programs and Activities

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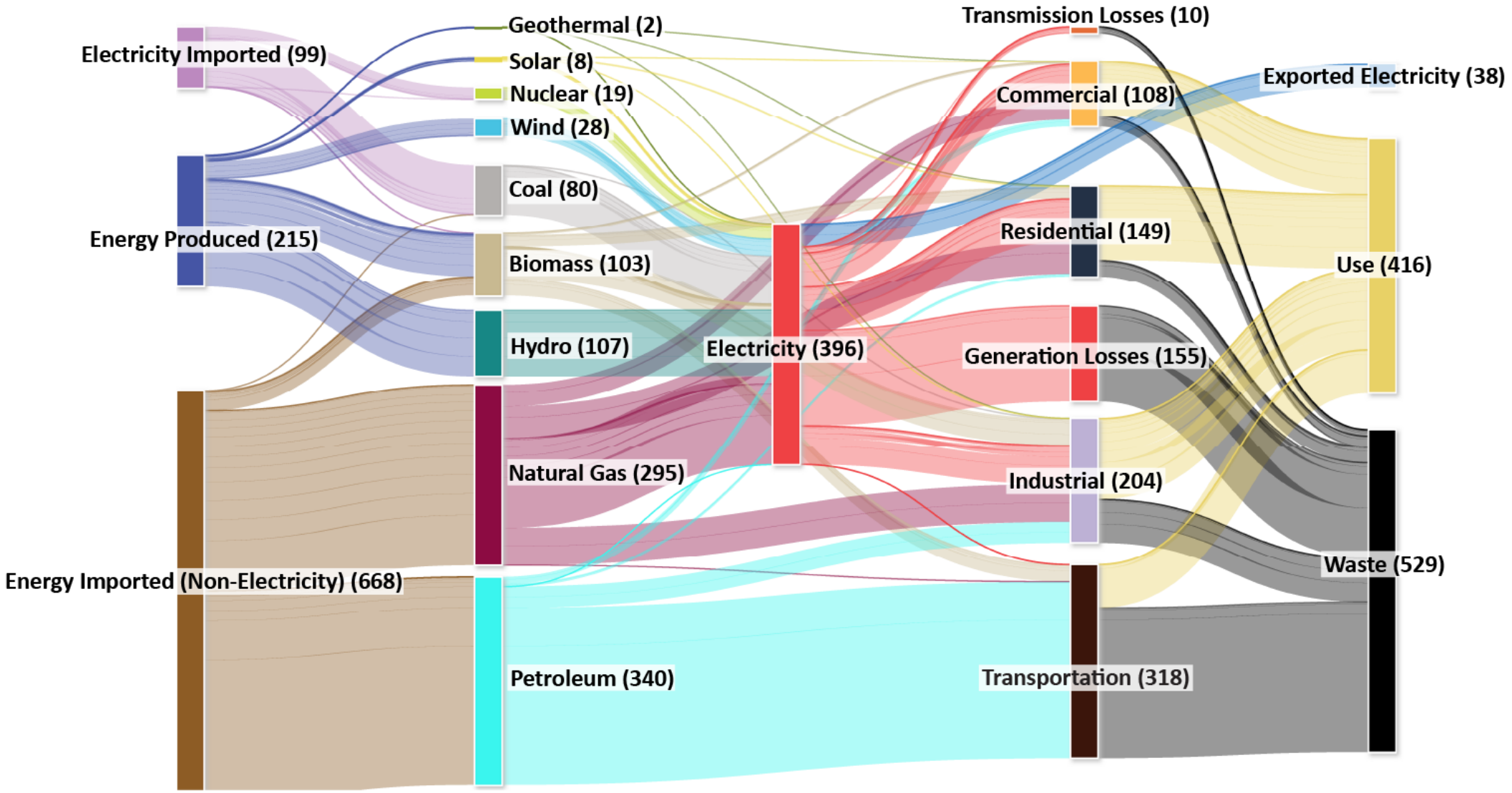
Energy Landscape

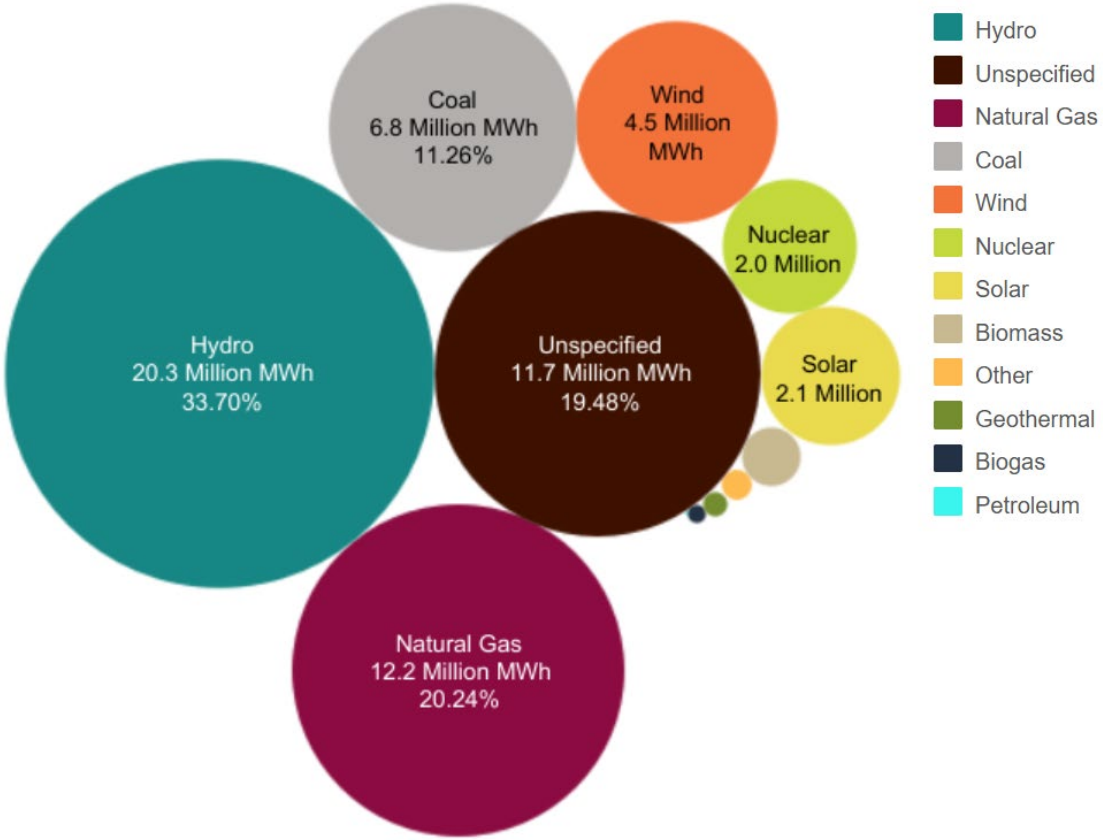
OREGON'S ENERGY FLOW



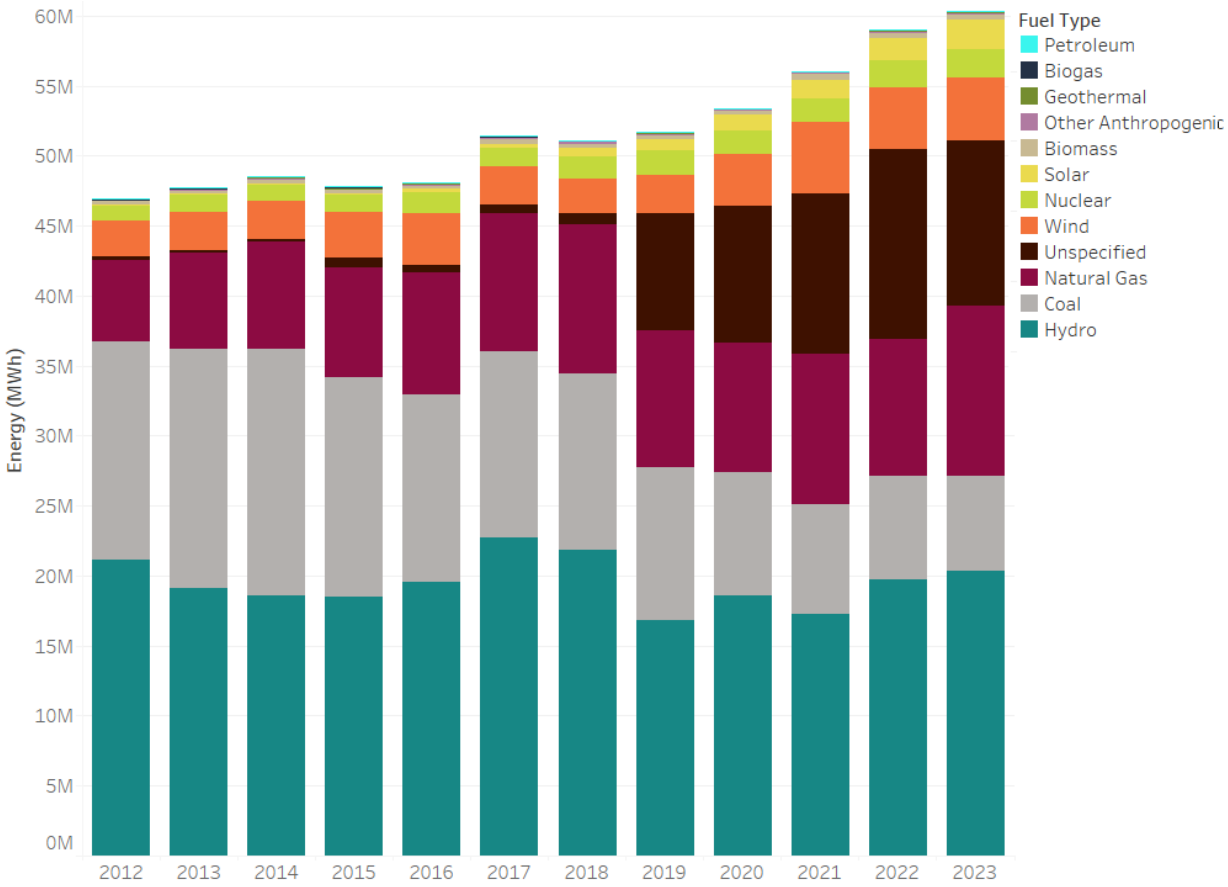
Numbers are in trillions of British thermal units (Btus)

SOURCES OF ELECTRICITY OREGONIANS USE

Resources Used to Generate Oregon's Electricity (2023)

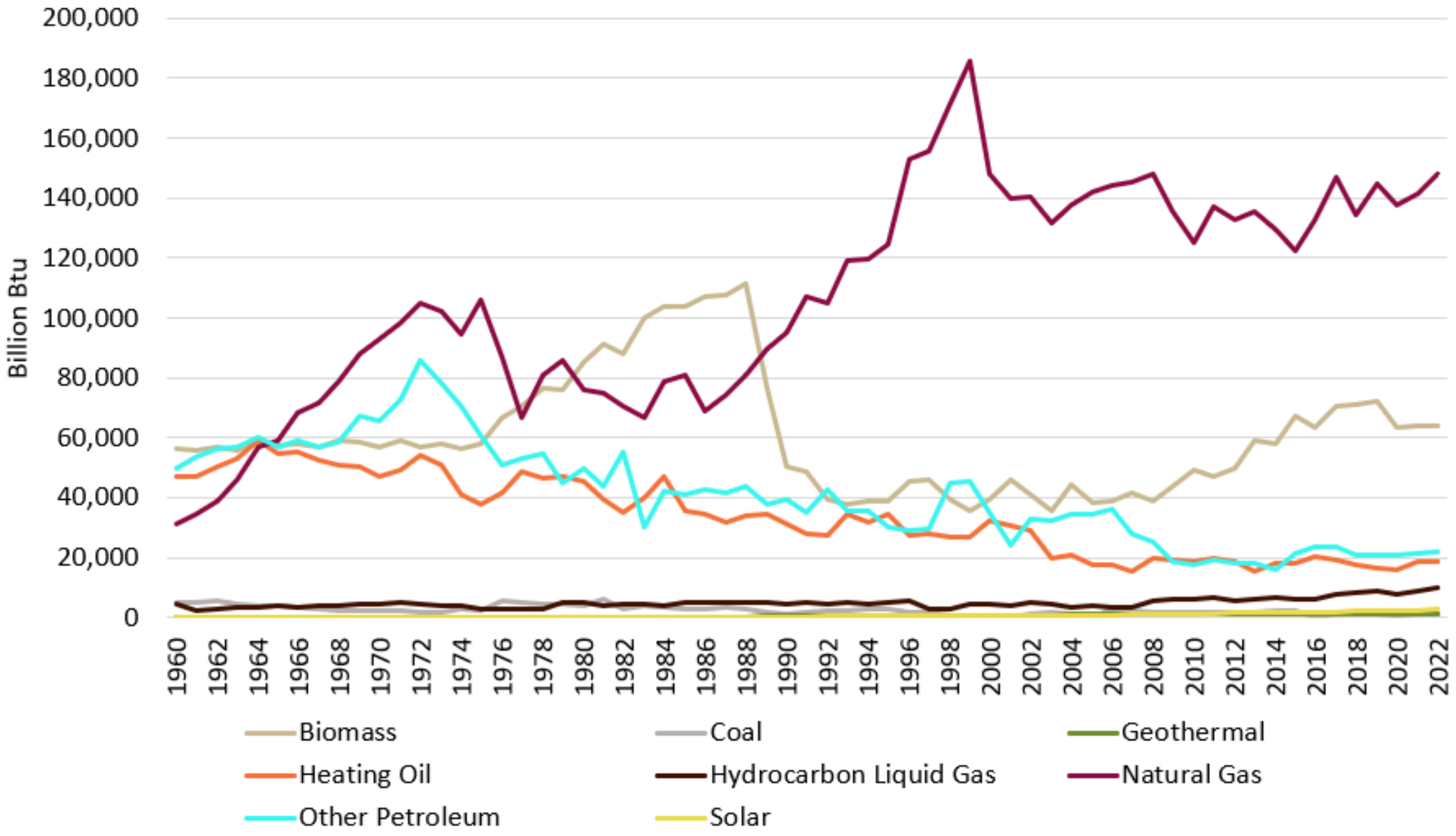


Resources Used to Generate Oregon's Electricity Over Time

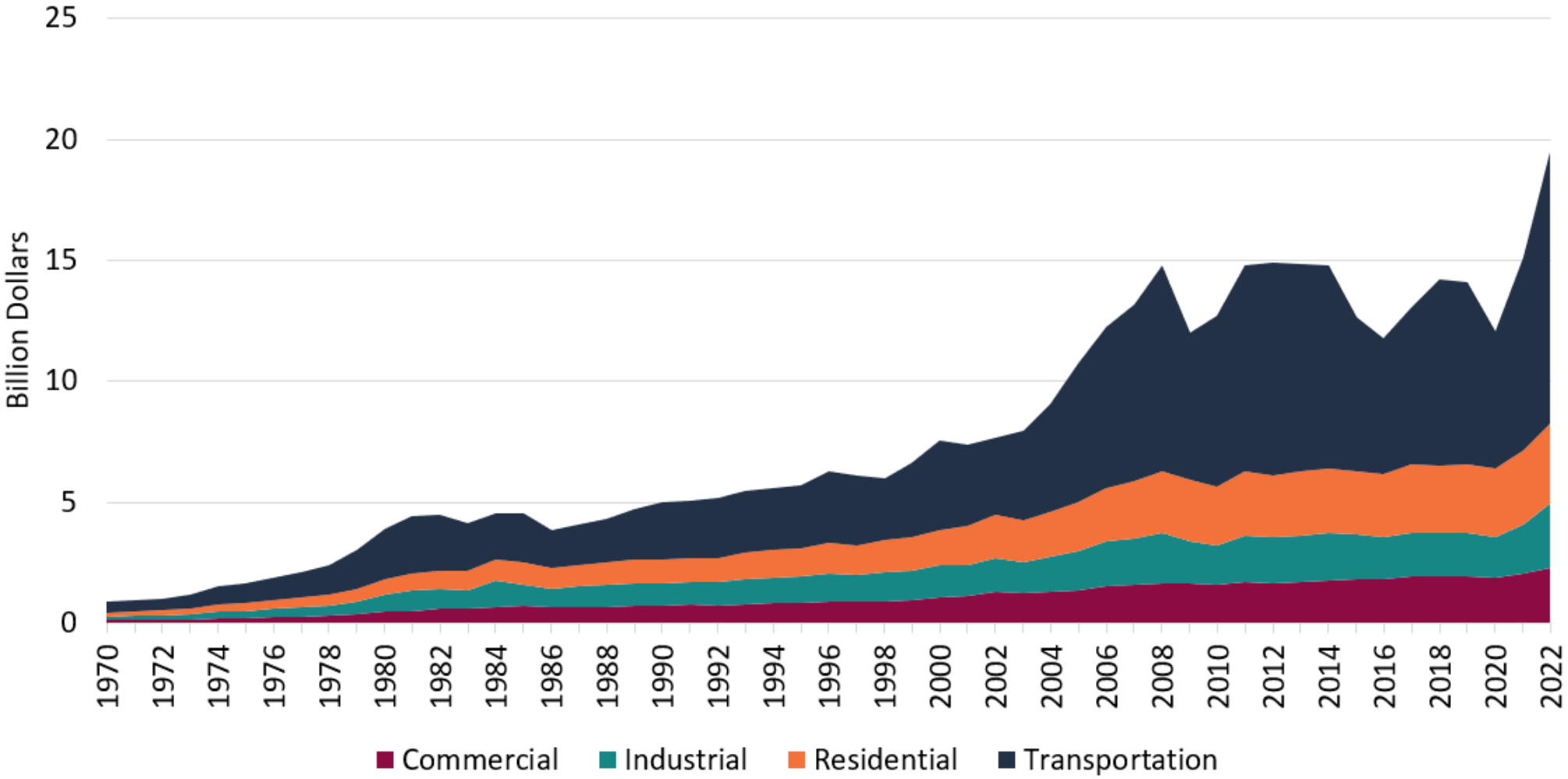


2024 BER, Energy by the Numbers | Pages 11, 13

Oregon Direct Use Fuels Consumption Over Time

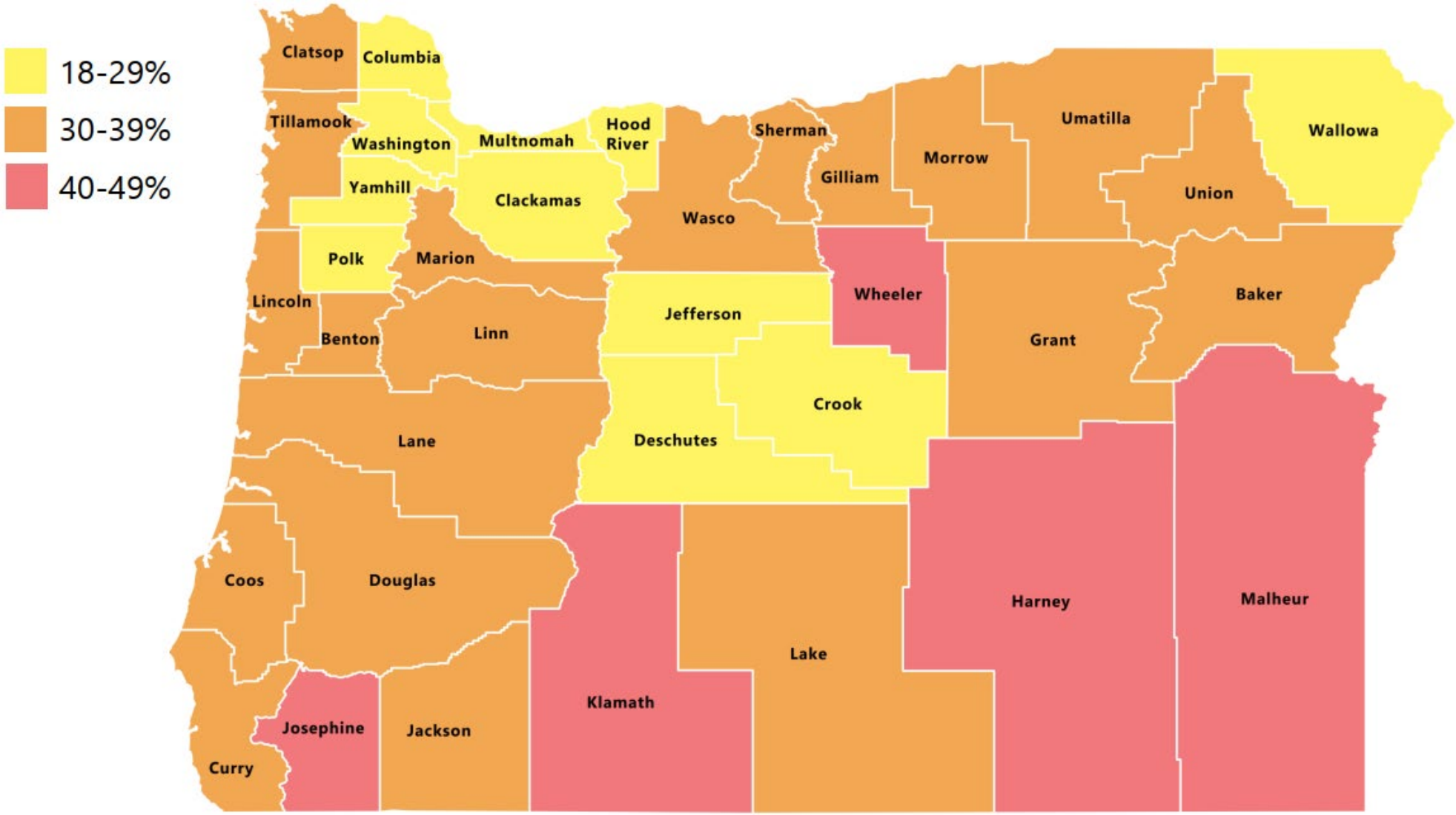


Oregon's Total Energy Expenditures by Sector Over Time



U.S. EIA reports prices in current dollars per million Btu. Chart is not adjusted for inflation.

Percentage of Oregon Households Experiencing High or Severe Energy Burden and Earning 200 Percent or Below Federal Poverty Level by County (2022)



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Oregon Energy Strategy

OREGON ENERGY STRATEGY BILL

House Bill 3630 (2023) Section 2

"The State Department of Energy shall develop a comprehensive state energy strategy that identifies optimized pathways to achieving the state's energy policy objectives."

82nd OREGON LEGISLATIVE ASSEMBLY--2023 Regular Session

Enrolled

House Bill 3630

Sponsored by Representatives RAYFIELD, PHAM K, Senator GOLDEN, Representative MARSH; Representatives ANDERSEN, BOWMAN, DEXTER, FAHEY, GAMBA, GRAYBER, HOLVEY, HUDSON, KROPF, MCLAIN, NATHANSON, NERON, NOSSE, PHAM H, REYNOLDS, SOSA, Senators LIEBER, PATTERSON, SOLLMAN

CHAPTER .....

AN ACT

Relating to energy; and declaring an emergency.

Be It Enacted by the People of the State of Oregon:

PROGRAM TO ASSIST ENVIRONMENTAL JUSTICE COMMUNITIES

SECTION 1. The State Department of Energy shall establish a program to provide assistance related to energy projects and activities to environmental justice communities, as defined in ORS 469A.400. At a minimum, the program must provide environmental justice communities with information regarding:

(1) Funding resources.

(2) Technical assistance.

(3) Other support that may be available.

STATE ENERGY STRATEGY

SECTION 2. (1) The State Department of Energy shall develop a comprehensive state energy strategy that identifies optimized pathways to achieving the state's energy policy objectives.

(2) The state energy strategy must be informed, at a minimum, by the following:

(a) Stakeholder perspectives;

(b) State laws, policies and targets regarding energy and greenhouse gas emissions;

(c) Existing energy and integrated resource plans;

(d) Energy-related studies and data analysis; and

(e) State energy policy objectives.

(3) In identifying optimized pathways to achieving the state's energy policy objectives, the state energy strategy must take into account, at a minimum, the following factors:

(a) State energy demand and trends;

(b) Energy resources and technology choices in consideration of costs, energy efficiency, feasibility and availability;

(c) Economic and employment impacts;

(d) Energy burden and affordability;

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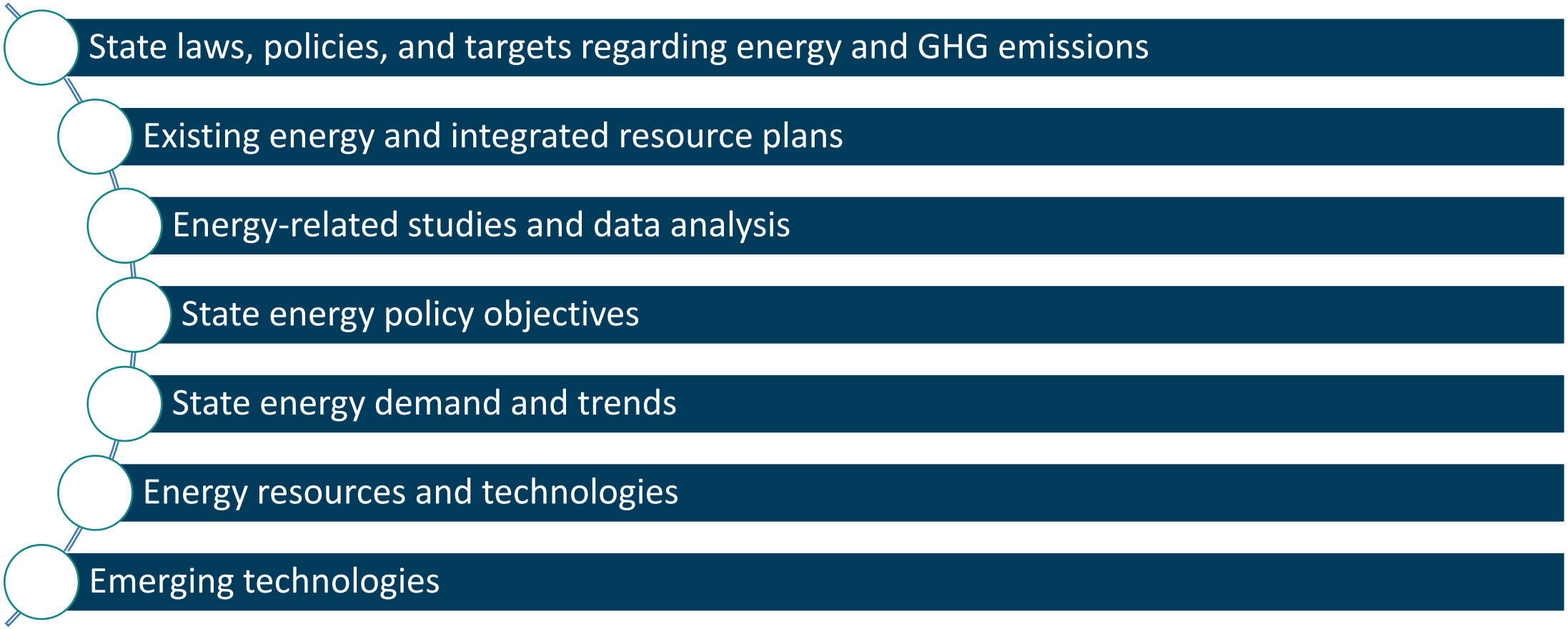
MODELING CONSIDERED



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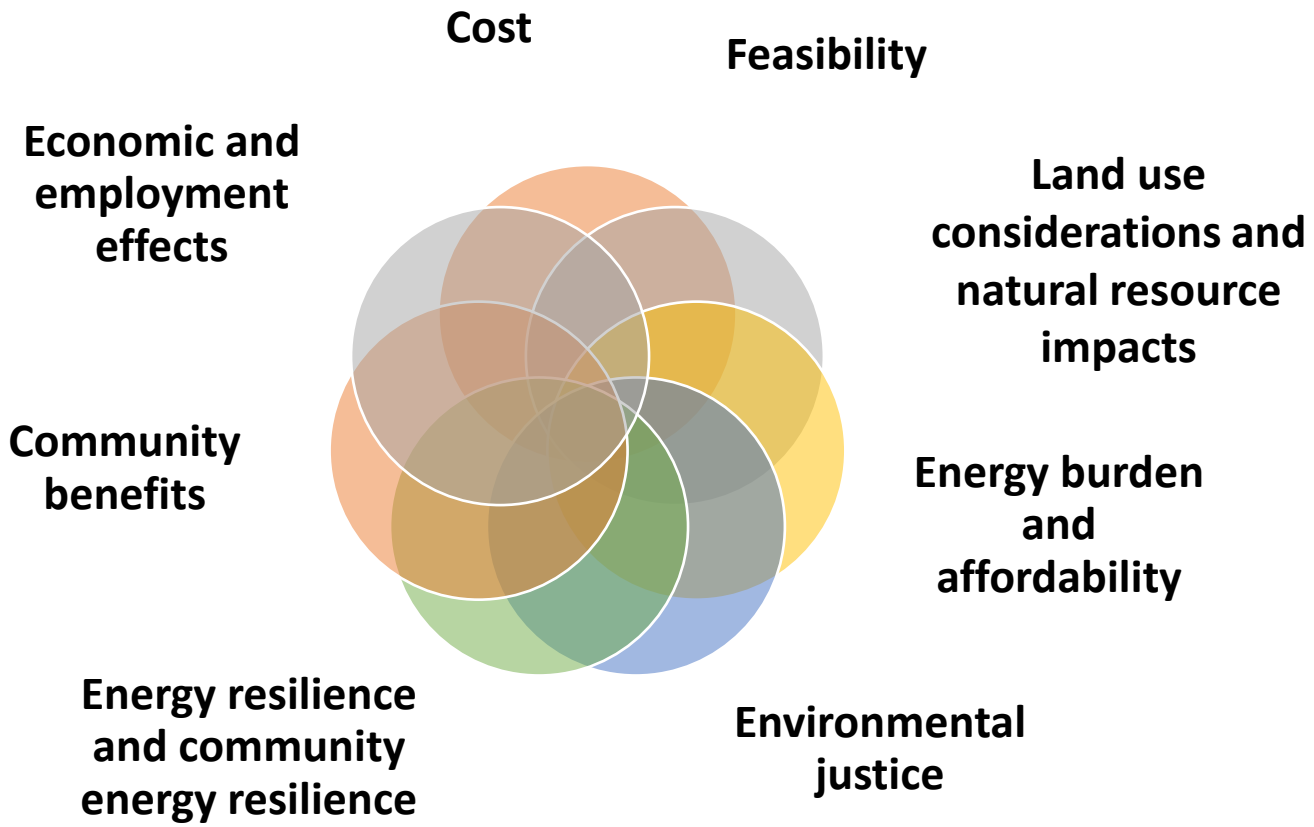
OTHER KEY CONSIDERATIONS



FIVE PATHWAYS TO GUIDE OREGON

1. Energy Efficiency: Advance energy efficiency across buildings, industry, and transportation sectors, including by expanding access to and appeal of multimodal transportation options, to deliver the benefits of a more efficient energy system.

2. Electrification: Increase electrification of end uses across the economy, including in transportation, buildings, and industry, while incorporating measures to safeguard reliability and support affordability.

3. Clean Electricity: Invest in clean electricity infrastructure to maintain reliability and promote load flexibility to reduce system costs.

4. Low-Carbon Fuels: Advance the use of low-carbon fuels in the hardest-to-electrify end uses to achieve GHG emissions reductions while maintaining industry competitiveness and a reliable electricity grid.

5. Resilience: Strengthen resilience across all levels of the energy system, including utilities, communities, and customers, enhancing Oregon's ability to adapt to climate change and mitigate other risks.

Implementation of each pathway must consider burdens and benefits to environmental justice communities and apply an equity lens to prevent further disproportionate impacts to historically and currently marginalized communities.

POLICY TO DEPLOY THE PATHWAYS
Energy Efficiency

Policies:

1a. Deliver energy efficiency and conservation improvements in existing and new residential and small commercial buildings to align with state decarbonization goals. Prioritize programs to serve low- and moderate- income and energy burdened households.

1b. Evaluate and promote opportunities to improve energy efficiency in large commercial and industrial sectors.

1c. Prioritize policies and increase support for programs that expand access to multimodal transportation options – including public transit, biking, and walking infrastructure – and promote development patterns that make it easier and more appealing for people to live, work, and access services without relying on a personal vehicle.

POLICY TO DEPLOY THE PATHWAYS
Electrification

Policies:

2a. Advance and expand efforts to electrify transportation, with a focus on removing barriers to ensure the state meets its zero-emission vehicle goals.

2b. Facilitate and accelerate the interconnection of EV charging infrastructure and related distribution system upgrades to enable faster deployment, lower costs and complexity, and improve grid readiness.

2c. Promote strategic electrification across the residential, commercial, and industrial sectors by aligning policies and investment to deliver affordable, reliable, and clean energy.

EXAMPLE OF POLICY ACTION
Buildings

Buildings Action 3

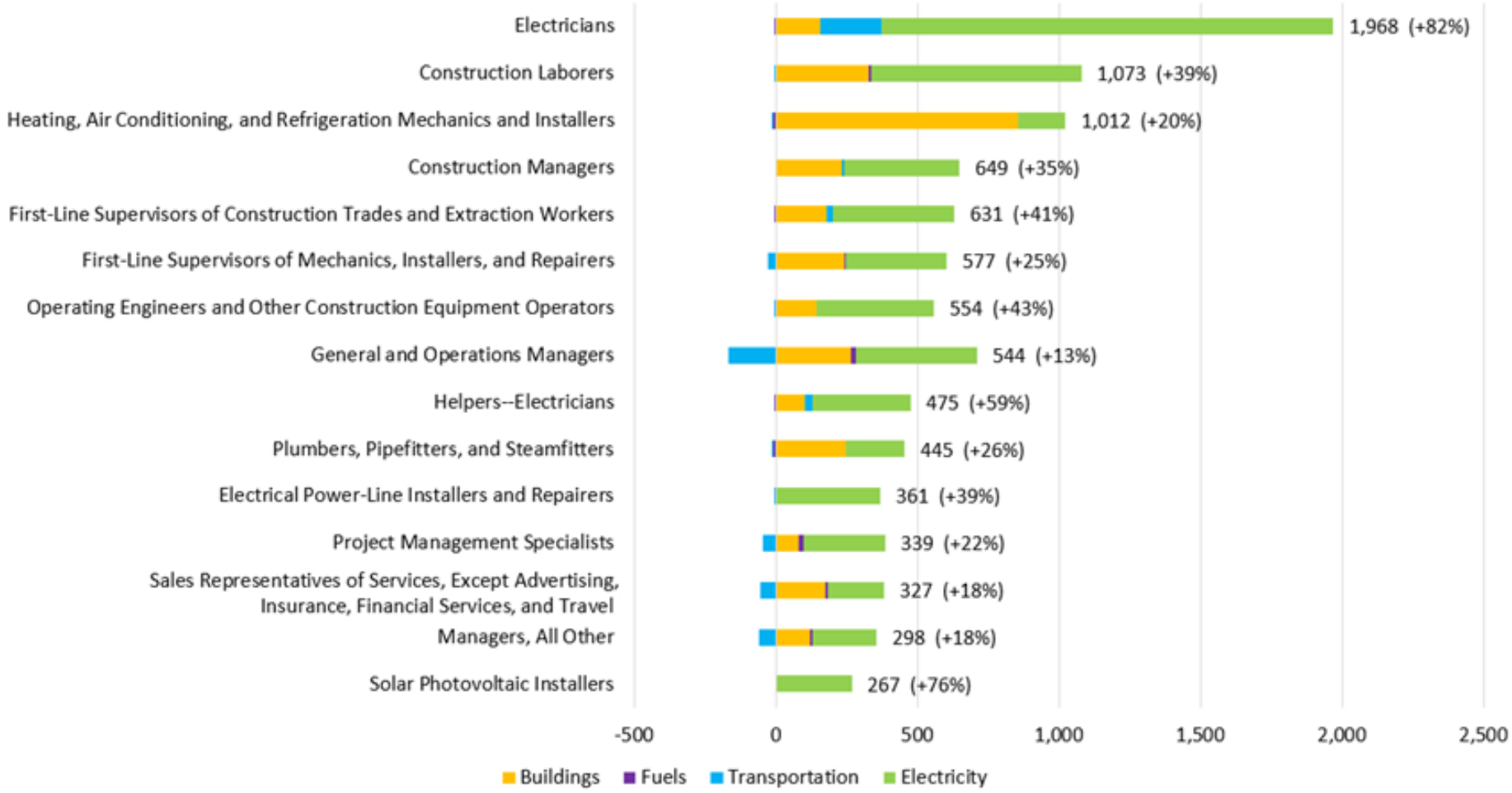
Prioritize measures in energy efficiency incentive programs that relieve pressure on the power system. In the near term, maintain – and where possible accelerate – building weatherization, replacement of less efficient electric heating with efficient electric heat pumps, and expand demand flexibility.

Pathways: 1 (Energy Efficiency); 2 (Electrification); 3 (Clean Electricity)

- Policies: 1a (Buildings efficiency); 2c (Strategic electrification); 3b (Utility-scale and distributed energy resources); 3c (Load flexibility)
- Equity and Justice Approach: 3 *(incentive programs);* 4 *(workforce)*

JOBS ANALYSIS

Electricians, construction laborers, and heating, air conditioning, and refrigeration mechanics and installers are among the top occupations with expected growth in 2035.



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Impact of Federal Actions

- Budget Cuts
- Federal Staffing Reductions
- Funding Recissions
- Regulatory Changes
- Executive Orders
- Clean Energy Tax Credit Phase-outs

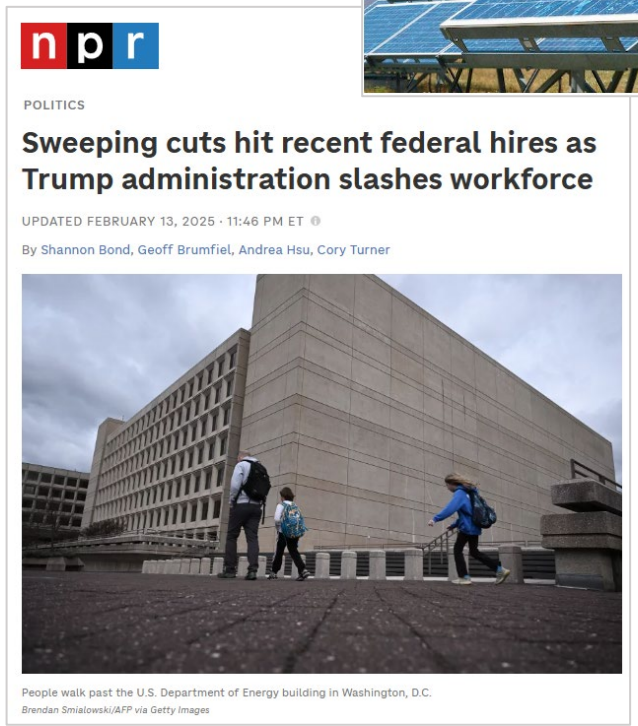
Oregon Capital Chronicle

ENVIRONMENT GOVERNMENT POLITICS

States fast-track wind, solar permits and contracts to beat Trump's deadline

Across the country, state leaders are racing to fast-track wind and solar projects before the expiration of federal tax credits to support clean energy.

BY: ALEX BROWN - SEPTEMBER 3, 2025 6:00 AM



npr

POLITICS

Sweeping cuts hit recent federal hires as Trump administration slashes workforce

UPDATED FEBRUARY 13, 2025 · 11:46 PM ET

By Shannon Bond, Geoff Brumfiel, Andrea Hsu, Cory Turner

People walk past the U.S. Department of Energy building in Washington, D.C.

Brendan Smialowski/AFP via Getty Images

ENVIRONMENT

Oregon fights back after losing $86M in solar funding

Updated: Sep. 10, 2025, 2:18 p.m. | Published: Sep. 09, 2025, 12:46 p.m.

By Gosia Wozniacka | The Oregonian/OregonLive

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A CLOSER LOOK: SOLAR

1. Sunset of residential tax credit changed from 2035 to **December 2025**
2. Sunset of commercial tax credit from 2032 to **December 2027**
3. Solar For All **termination letters** issued by U.S. EPA

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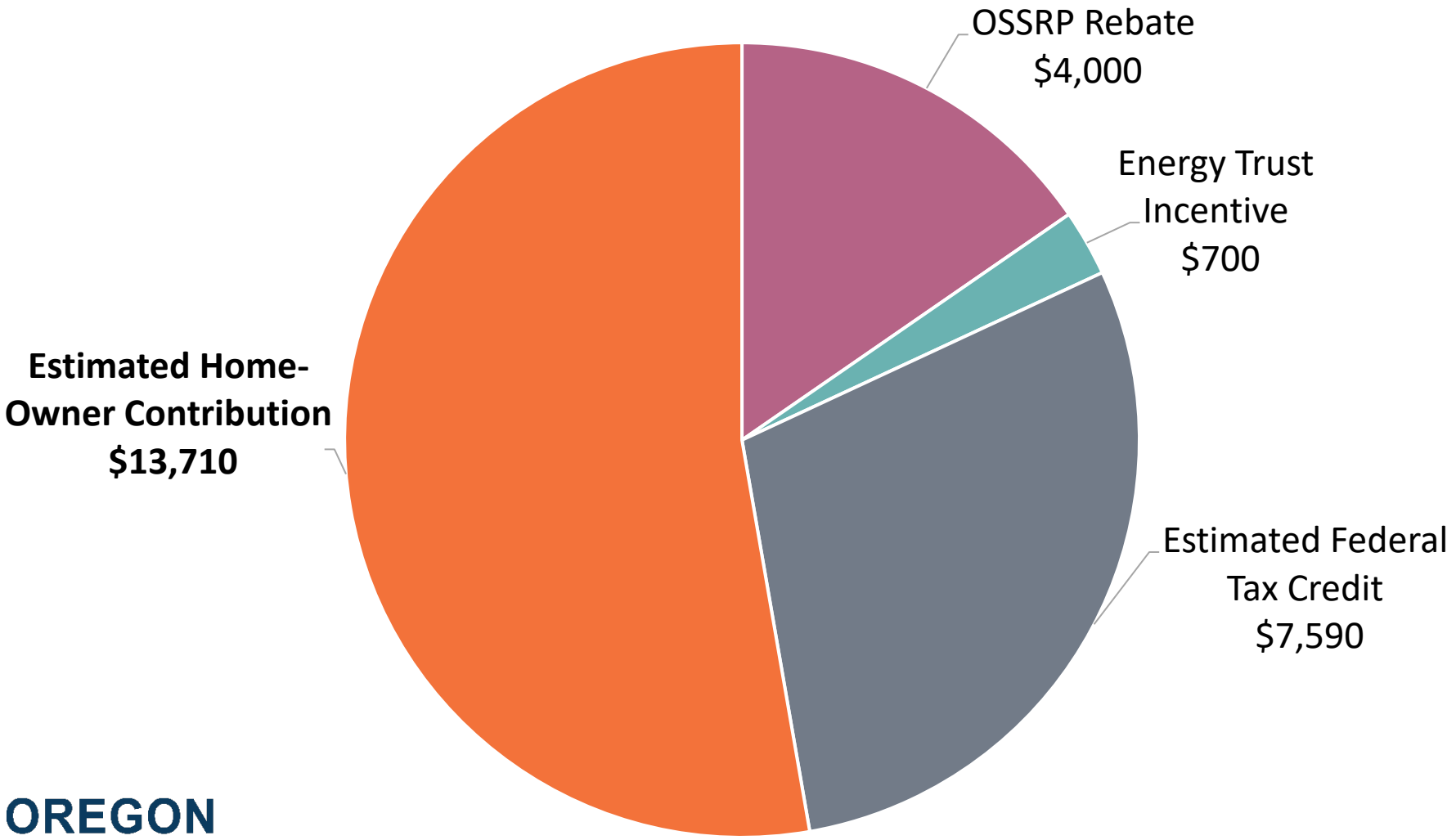
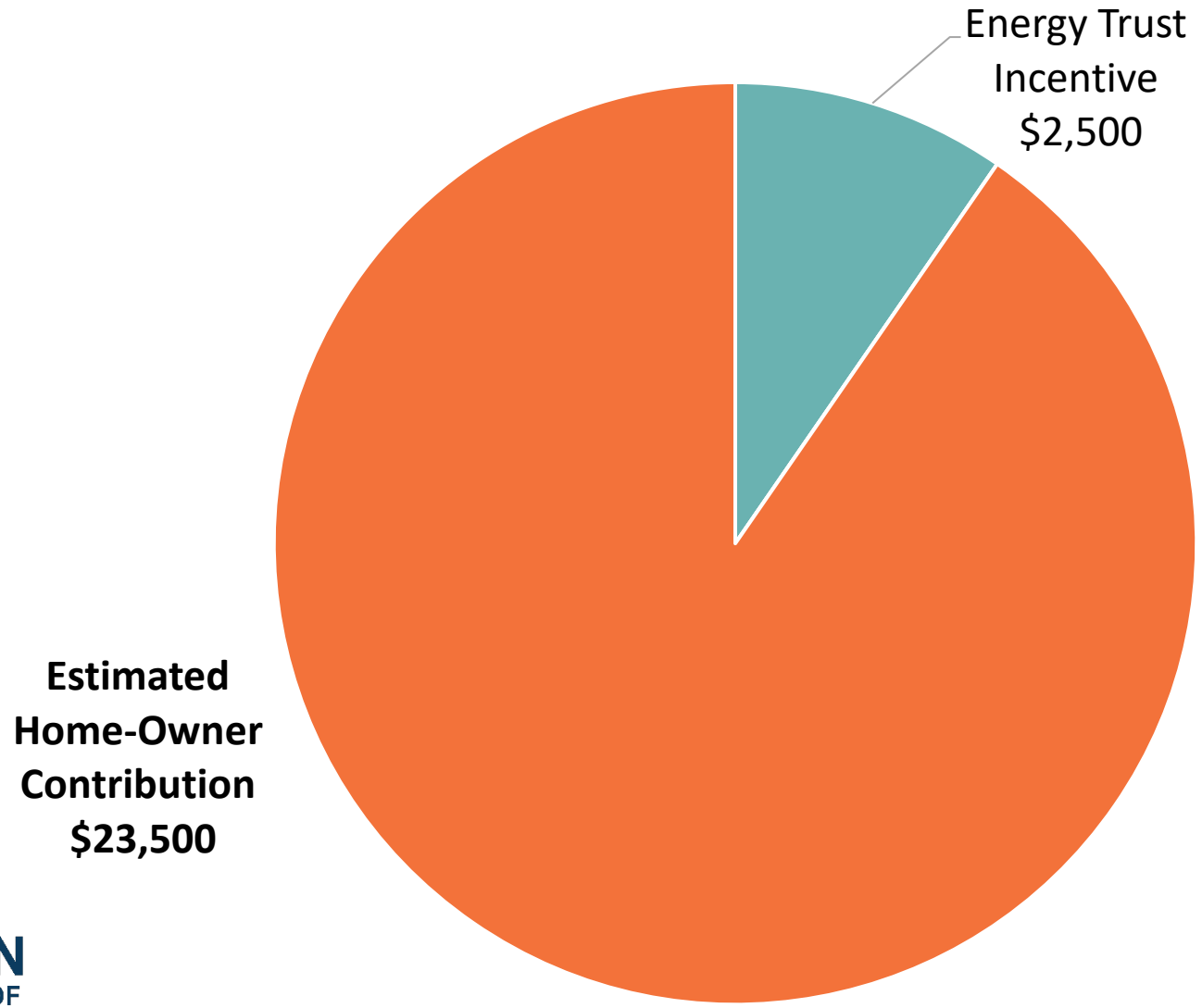
TYPICAL RESIDENTIAL SOLAR COST WITH STATE AND FEDERAL INCENTIVES



Assumes 8kW system size and $26,000 total system cost

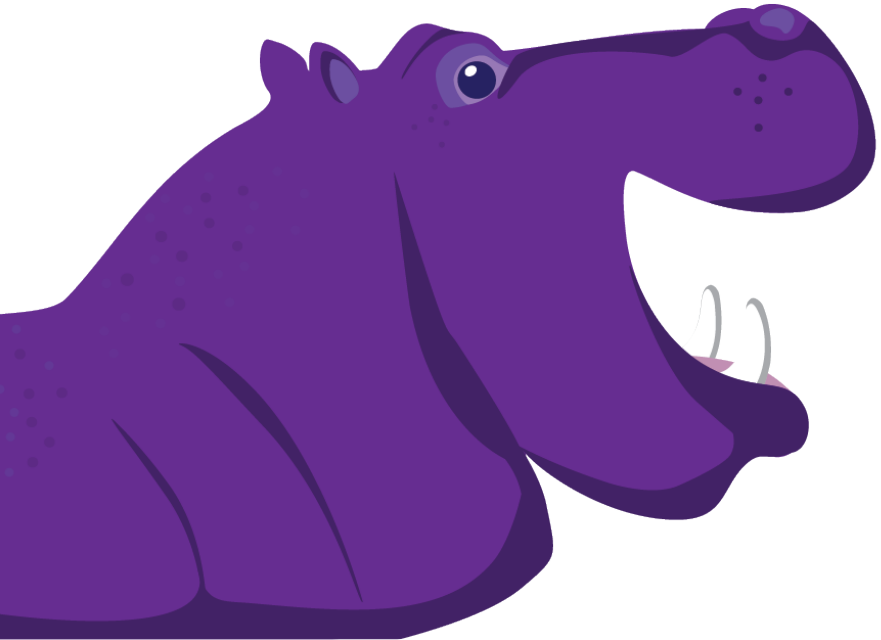
TYPICAL RESIDENTIAL SOLAR COST WITHOUT STATE AND FEDERAL INCENTIVES



Assumes 8kW system size and $26,000 total system cost

Energy HIPPO

Energy Hub for Incentive Programs and Projects in Oregon



The Energy HIPPO provides information, technical assistance, and help identifying contractors and financing options related to energy efficiency incentives and programs.

Resources for homeowners, renters, and contractors.

https://incentives.oregon.gov/

www.Oregon.gov/energy | AskEnergy@oregon.gov