

WEA POLICY | 26 CONFERENCE

ENERGY STRATEGY:
ARE WE MEETING THE INNOVATION AND
BUSINESS NEEDS OF OUR REGION?

Thursday, March 19 | 12:30 - 6:00 pm
Hidden Creek Community Center

WWW.WESTSIDEALLIANCE.ORG

WEA POLICY | 26 CONFERENCE

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**Agenda, Speaker
Bios and Event
Details found here:**



**WEA POLICY
CONFERENCE**

3.19.26

**ENERGY
STRATEGY**

INTRODUCTION FROM WEA BOARD PRESIDENT



Nina Carlson
Government Affairs
Northwest Natural

THANK YOU WEA BOARD MEMBERS IN ATTENDANCE!

- **MEREDITH ARMSTRONG - PORTLAND GENERAL ELECTRIC**
- **NINA CARLSON - NORTHWEST NATURAL**
- **GINA COLE - LEGACY HEALTH**
- **JOHN HOWORTH - 3J CONSULTING**
- **EMILY MATZA - SCHNITZER PROPERTIES**
- **GREG RETSINAS - KGW**
- **JOSH SHEARER - KG INVESTMENT PROPERTIES**
- **COMMISSIONER JASON SNIDER - WASHINGTON COUNTY**
- **NATHAN TESKE - BIENESTAR, INC.**
- **COUNCIL PRES. MAUREEN WOLF - CITY OF TIGARD**

THANK YOU ELECTED OFFICIALS IN ATTENDANCE!

- **COMMISSIONER DIANA HELM - CLACKAMAS COUNTY**
- **REP. MARK GAMBA - OREGON HOUSE DISTRICT 41**
- **COMMISSIONER NAFISSA FAI - WASHINGTON COUNTY**
- **MAYOR BEACH PACE - CITY OF HILLSBORO**
- **COUNCILOR GARRITT ROSENTHAL - OREGON METRO DISTRICT 3**
- **COUNCILOR BRIAN SCHIMMEL - CITY OF FOREST GROVE**
- **COUNCILOR JAKE SCHLACK - CITY OF TIGARD**
- **COMMISSIONER JASON SNIDER - WASHINGTON COUNTY**
- **REP. NATHAN SOSA - OREGON HOUSE DISTRICT 30**
- **COMMISSIONER PAM TREECE - WASHINGTON COUNTY**
- **REP. MARI WATANABE - OREGON HOUSE DISTRICT 34**
- **COUNCIL PRESIDENT MAUREEN WOLF - CITY OF TIGARD**

THANKS TO OUR SPONSORS | 26

PRESENTING SPONSORS



HOST



MAJOR SPONSORS



FORUM SERIES SPONSOR



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DIAMOND PARTNERS



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DUNN CARNEY
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KIRBY NAGELHOUT
CONSTRUCTION COMPANY

MACERICH-WASHINGTON SQUARE
ROBINSON CONSTRUCTION
SCHNITZER PROPERTIES

INTERESTED IN BECOMING AN ANNUAL PARTNER? REACH OUT TO DANIELLE@WESTSIDEALLIANCE.ORG

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STRATEGY**

PROGRAM WELCOME



Johnell Bell

CEO & Founder
Espousal Strategies

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Menti #1

Word Cloud: What is the biggest challenge facing our energy system?

Instructions

Go to

www.menti.com

Enter the code

2461 5210



Or use QR code



WEA POLICY | 26 **CONFERENCE**

Video

Energy Planning

**Meeting regional needs safely,
reliably and affordably?**



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**ENERGY
STRATEGY**

MODERATOR



Melissa Rogers
Account Manager
PowerX

PRESENTERS



Dan Kirschner
Consultant
Northwest Gas Association



Jimmy Lindsay
Dir. Resource Planning
Portland General Electric

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WEA TEXT LINE: 503-968-3100

Case Studies

Power & Innovation



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MODERATOR

PRESENTERS



Zach Hyder
CEO & Co-Owner
Hubbell Communication



Christian Youngerman
Dir. Facilities Engineering
Genentech



Alison Hoagland
Architect and Principal
Mackenzie



Christopher Binder
Senior Manager
Green Building Initiative

Menti #2

What word or phrase comes to mind when I say “data center”? (Word Cloud)

Instructions

Go to

www.menti.com

Enter the code

2461 5210



Or use QR code





Genentech: Innovation & Energy

Christian Youngerman
Head of Facilities & Engineering
Hillsboro Innovative Therapies

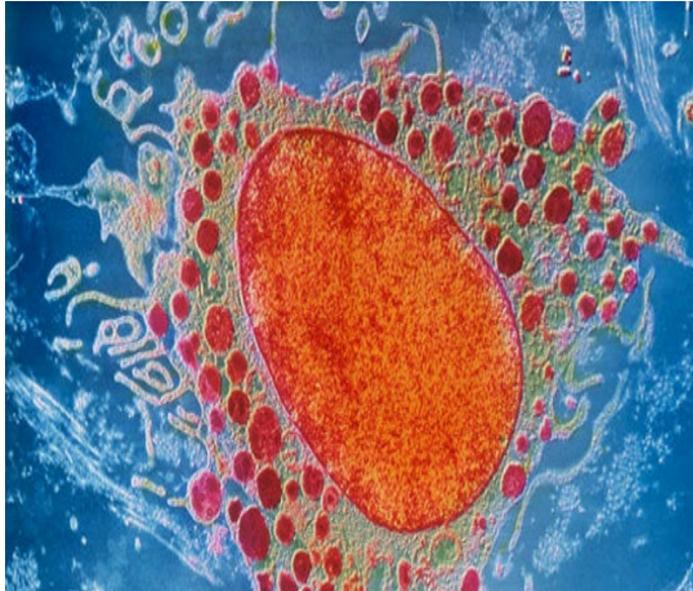
Date: March 19, 2026

About Genentech: Fast Facts

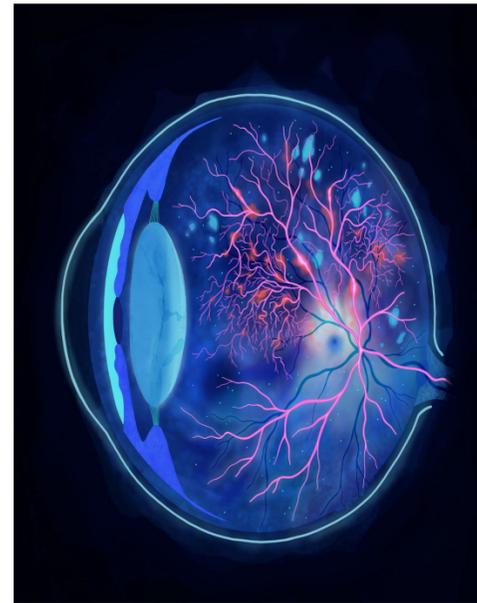
- Founded in 1976 and celebrating our **50th Anniversary** in 2026
- Became a member of the Roche Group in **March 2009**
- Approximately **20,000 employees** in the U.S. (Roche has <100,000 worldwide)
- **Headquarters for all Roche pharmaceutical operations** in the U.S.
- **40+ medicines approved** for people with various serious or life-threatening diseases
- Genentech's Research and Early Development group (gRED) has **30+ potential new medicines** in preclinical and clinical development



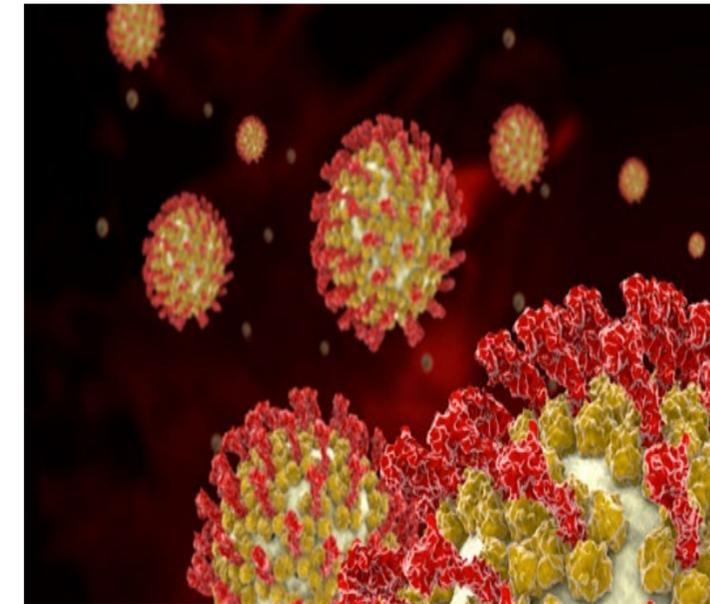
Our Medicines



Immunology



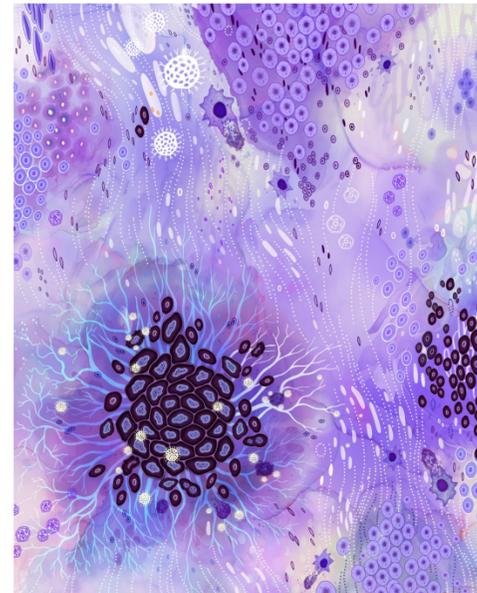
Ophthalmology



Infectious Diseases



Neuroscience



Oncology



Metabolism



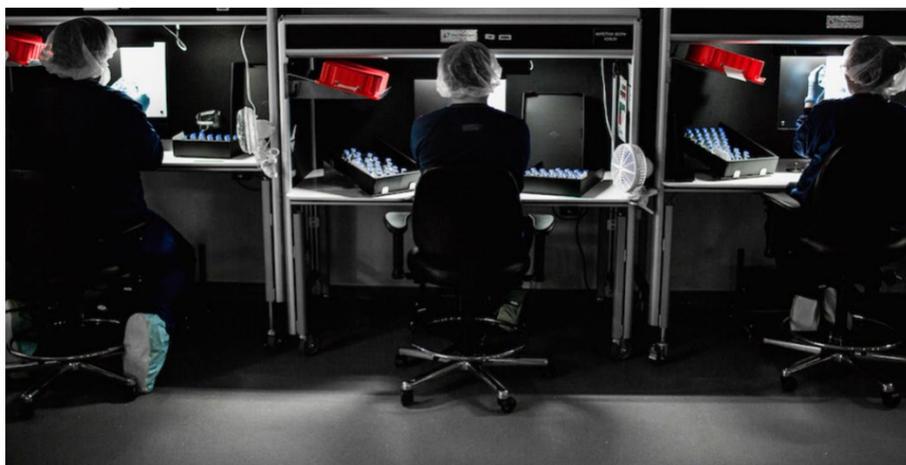
THE BEAUTY OF MANUFACTURING



Utility infrastructure supporting production. This piping supports many of the activities in the biologics production process. Hillsboro, OR.



A manufacturing operator oversees compounding operations. Compounding involves combining different ingredients of a medicine. Hillsboro, OR.



Visual inspection station. At this station, visual inspections of the sample are conducted to monitor for defects. Hillsboro, OR.



High-speed automated packaging operation. Biologic medicines are packaged at these stations before delivery. Hillsboro, OR.

Who We Are: Cell & Gene Therapy



Aim of our Sustainability Strategy

The strategy builds on our purpose and contributes to the long-term success of Roche and society

Contributing to the long-term success of Roche and society

Doing the right thing



Improve human health, prosperity & equality



Reduce environmental footprint

... creating societal value

Responding to business drivers



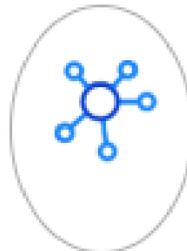
Regulations



Customer demands



Employee expectations



Stakeholder requirements

... creating financial value

Doing now what patients need next

Environment



Ambition: Achieve Net Zero emissions and protect biodiversity and water resources



Goals



Net Zero by 2045

Non exhaustive

- **Own operations (Scope 1&2) & value chain (Scope 3)**
- 100% absolute reduction in emissions (Scope 1&2) by 2050
- **All sites use 100% sustainable electricity by 2025**



All product-related decision-making processes across the product life cycle integrate Sustainability criteria by 2028

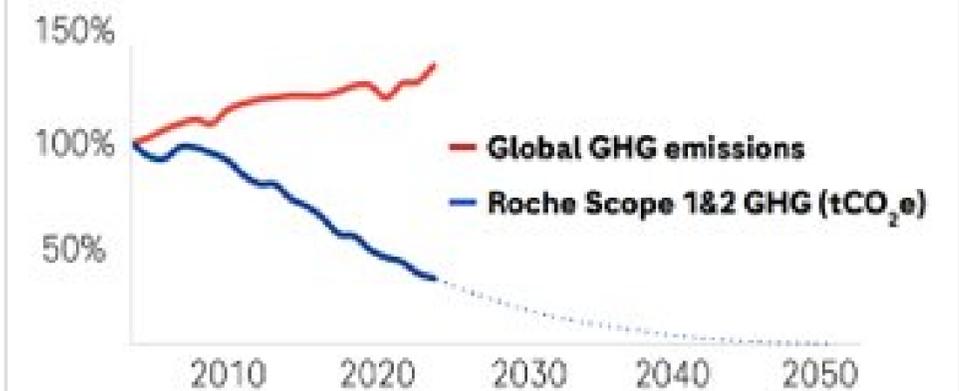


Relevant sites and key suppliers have certified biodiversity and water stewardship projects in place by 2030



Selected example

Net Zero targets in line with Science Based Target initiative (SBTi)



It wouldn't be fun if it was easy, right?

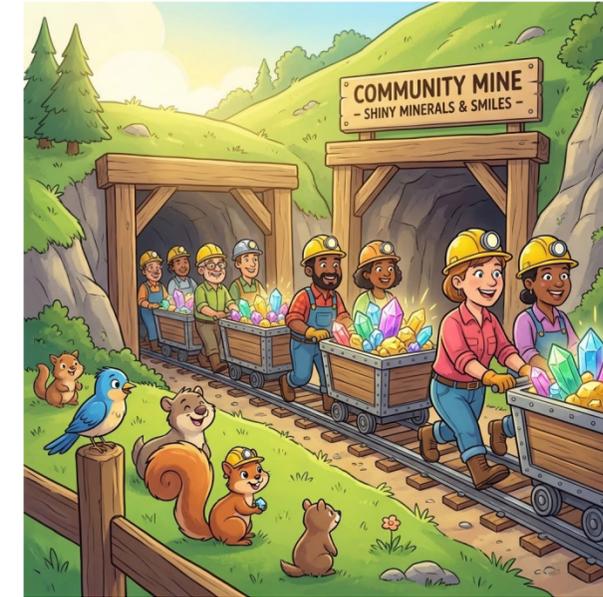
Local Examples of the tension between innovation and sustainability



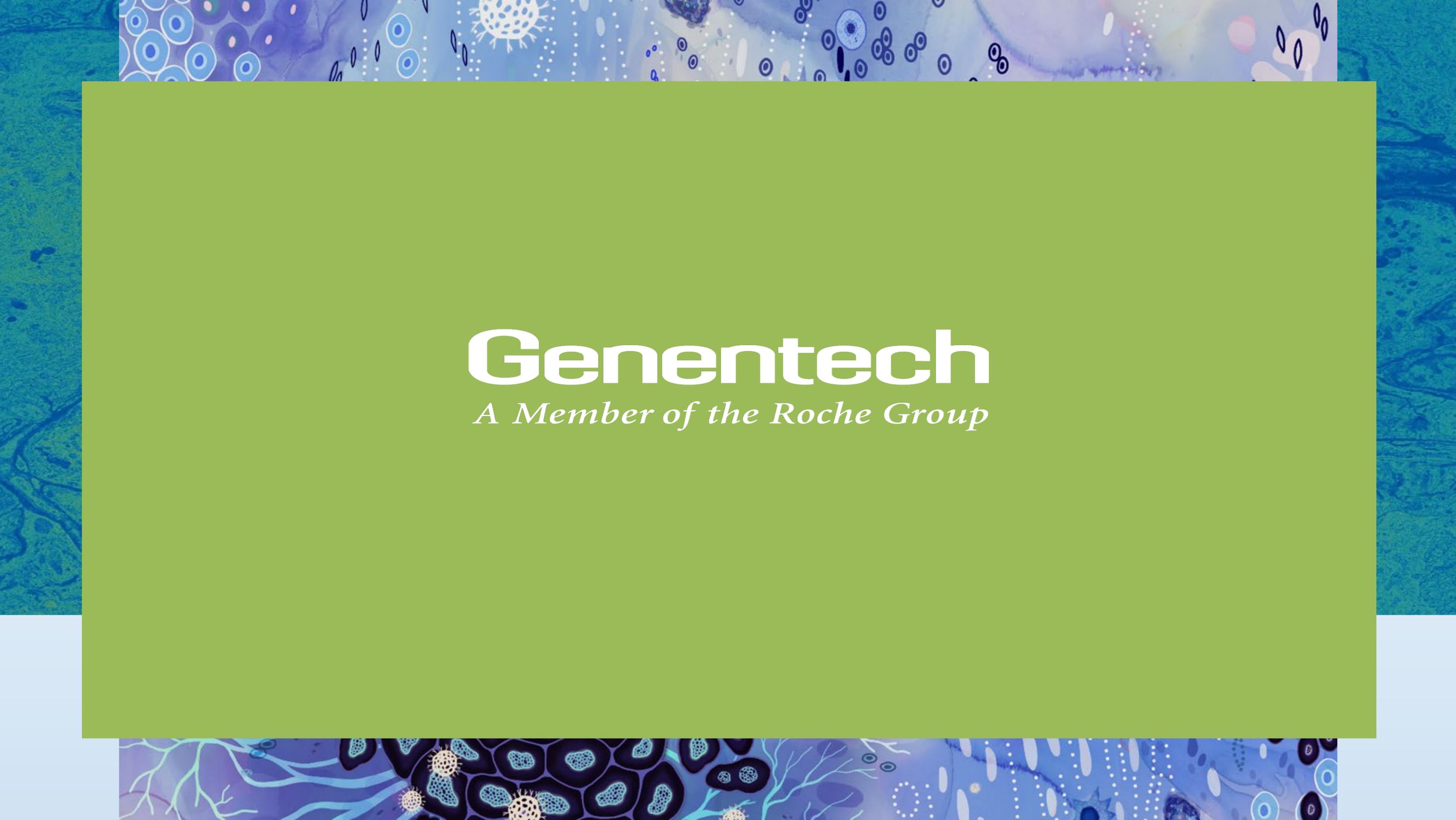
A High Bar for Sustainable Electricity



Commitment to Timely Capital Investment



Sustainable Development Aligned to Values

The image features a central green rectangular area containing the Genentech logo and tagline. The background is a detailed, colorful illustration of various biological cells and structures, including what appears to be a cross-section of tissue with different cell types, some with prominent nuclei and others with more complex internal structures. The colors range from light blue and purple to darker blues and greens, creating a vibrant, scientific atmosphere.

Genentech

A Member of the Roche Group

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MACKENZIE.

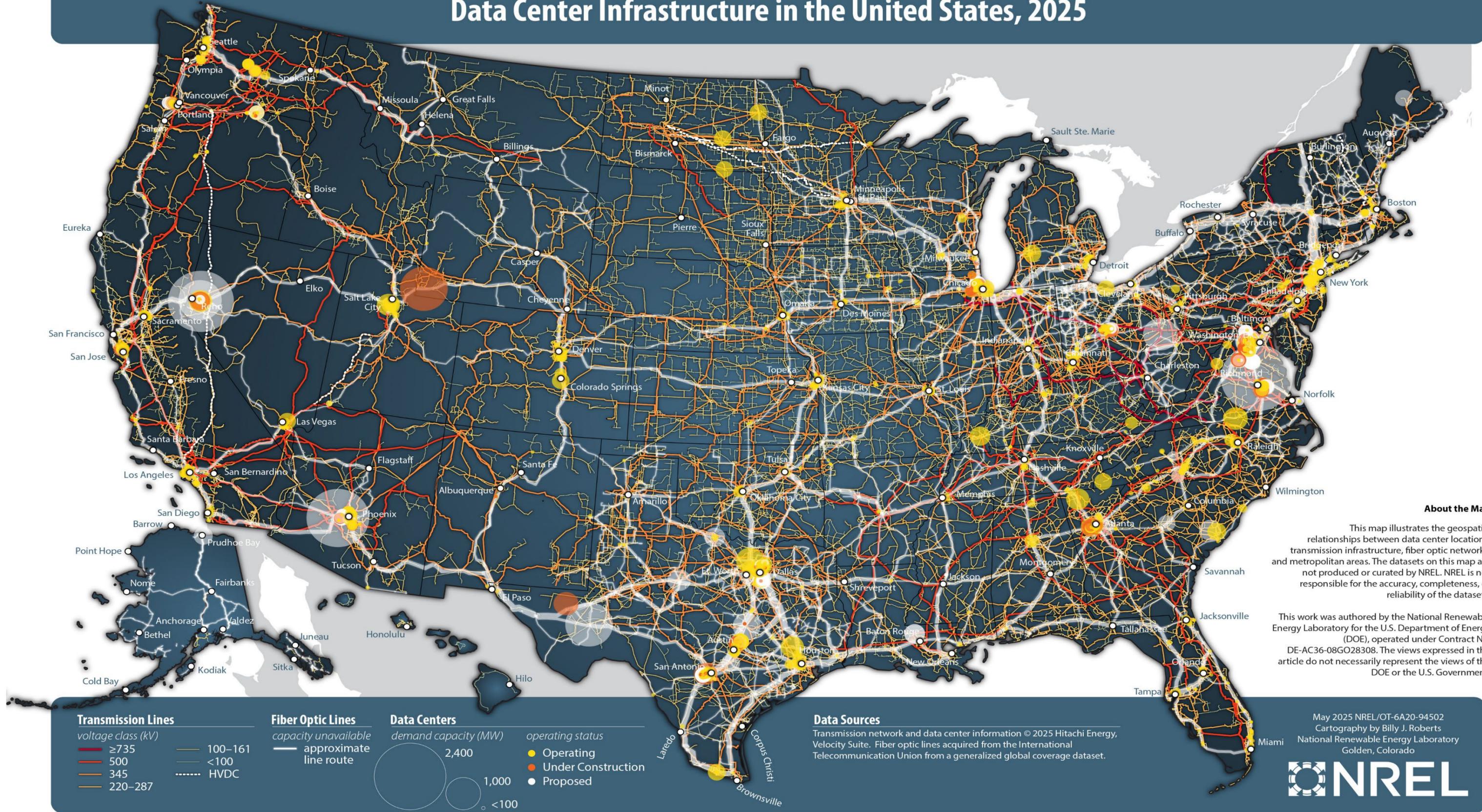


Sustainability at Scale

Policy Considerations for Data Center Development



Data Center Infrastructure in the United States, 2025



Transmission Lines

- voltage class (kV)
- ≥735
 - 500
 - 345
 - 220–287
 - 100–161
 - <100
 - HVDC

Fiber Optic Lines

- capacity unavailable
- approximate line route

Data Centers

- demand capacity (MW)
- 2,400
 - 1,000
 - <100

- operating status
- Operating
 - Under Construction
 - Proposed

Data Sources

Transmission network and data center information © 2025 Hitachi Energy, Velocity Suite. Fiber optic lines acquired from the International Telecommunication Union from a generalized global coverage dataset.

About the Map

This map illustrates the geospatial relationships between data center locations, transmission infrastructure, fiber optic networks, and metropolitan areas. The datasets on this map are not produced or curated by NREL. NREL is not responsible for the accuracy, completeness, or reliability of the datasets.

This work was authored by the National Renewable Energy Laboratory for the U.S. Department of Energy (DOE), operated under Contract No. DE-AC36-08GO28308. The views expressed in the article do not necessarily represent the views of the DOE or the U.S. Government.

May 2025 NREL/OT-6A20-94502
 Cartography by Billy J. Roberts
 National Renewable Energy Laboratory
 Golden, Colorado



Press Release • January 20, 2026

Governor Kotek Convenes Statewide Data Center Advisory Committee

Advisory group to recommend actions to address issues related to growth of data centers



The image features a modern glass-walled building with a walkway, overlaid with a teal tint and tree branches. The text "How can we support sustainable development?" is centered in white.

How can we support sustainable development?



Sustainable, Healthy, & Resilient Buildings for All

1 Billion
SQUARE FEET CERTIFIED



Guiding Principles
Compliance

Our mission is to improve the built environment's impact on climate and society through educational, transparent, and collaborative assessment & certification programs.



Site Selection

- Access to existing infrastructure or brownfield sites
- Adaptive reuse in urban cores
- Renewable energy feasibility
- Building orientation
- Proximity to heat demand

Energy Performance

- Cooling efficiency optimization
 - Liquid cooling strategies (direct-to-chip, immersion)
- ANSI/ASHRAE 90.4 Energy Standard for Data Centers
- Renewables

01

SUPPORT & FLEXIBILITY

Compliance pathways and non applicable criteria, designed to evaluate relevant and impactful design and operational strategies.

02

ACCOUNTABILITY

Demonstrate to stakeholders and community a commitment to sustainability through third-party assessment.

03

SPEED TO MARKET

Certification delivered within weeks of final assessment, matching the pace of development.

04

COMPLIANCE & INCENTIVES

Eligible for tax incentives/abatements and meets state and local requirements for digital infrastructure.

Who We're Working With

24+ million SF of data centers certified or in pursuit of certification

POWERHOUSE
DATA CENTERS

 PointOne
DataCenters

VALOR

AVAIO | DIGITAL

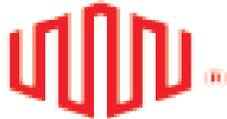
CapitalOne

neustar

 Aligned™
Adaptive Data Centers


DIGITAL REALTY

 **EdgeCore™**
Digital Infrastructure


EQUINIX

 **VANTAGE™**
DATA CENTERS



 **COMPASS**
datacenters.

 CyrusOne

 **INAP**

 **entergy**

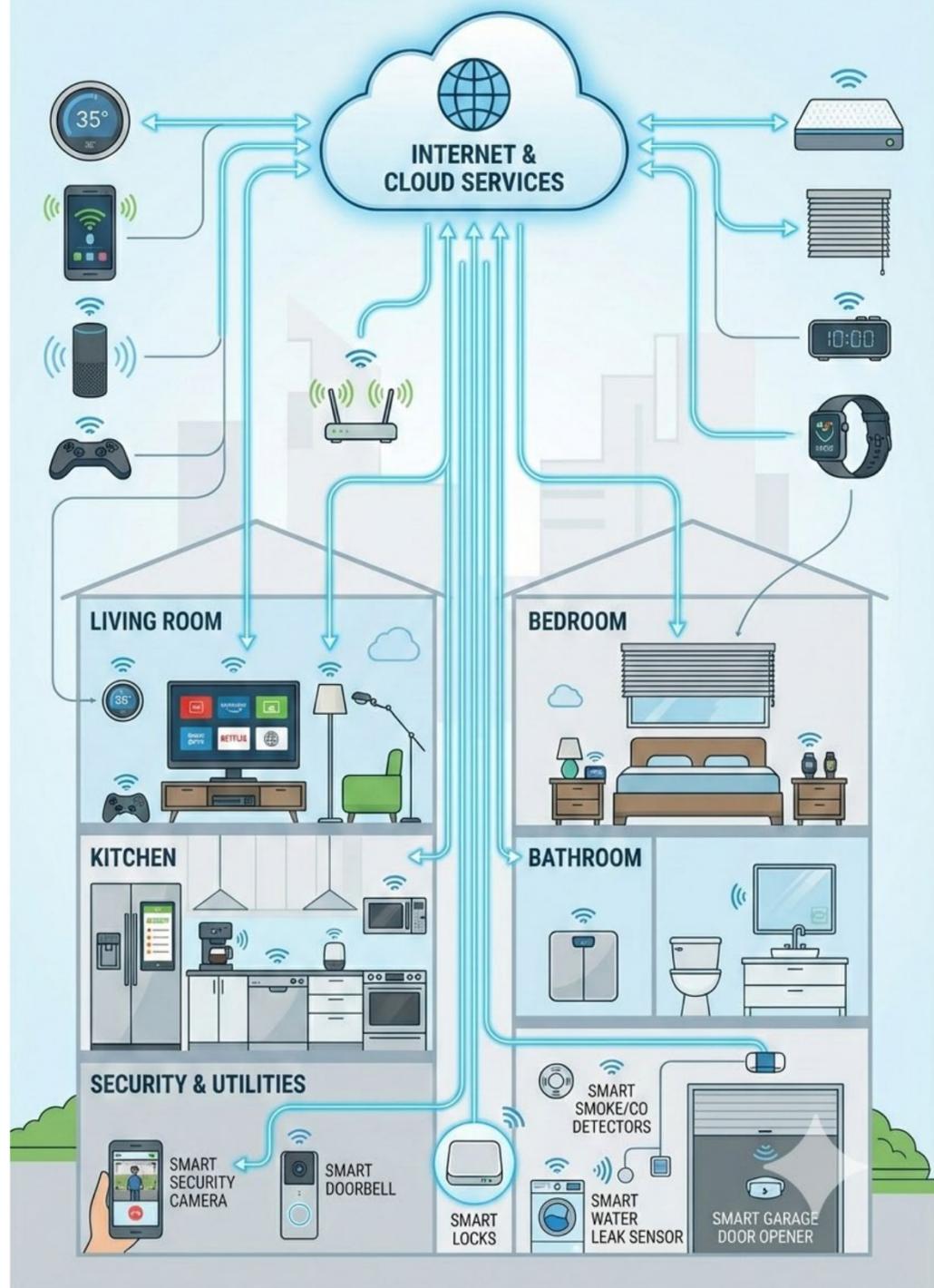
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Case Studies

Sustainable Minded Operators and Adaptive Reuse

THE CONNECTED HOME: CLOUD LINKED ITEMS



Addressing Concerns: Jobs and Community

The Digitization of Everything:

- Surge in household online activity, driven by remote work, streaming entertainment, online learning and e-commerce trends.
 - Today, **96%** of US adults are online
 - On average, U.S. households have a total of **21 connected devices**

Shift to Hyperscale Cloud Services:

- Companies are moving away from owning and maintaining their own server rooms and migrating to large cloud providers (AWS, Azure, Google)

The Generative AI Explosion:

- AI often requires thousands of GPUs running in parallel, demanding far more power and cooling than standard servers
- As AI moves to “daily use” data centers must be located closer to users in order to reduce latency

Addressing Concerns: Jobs and Community

Economics

US Data Center Industry

\$3.5 trillion in GDP impact between 2017-2023

\$162.7 billion in tax revenue (federal, state & local) in 2023

Oregon Data Center Industry

\$8.3 billion to Oregon GDP in 2023

\$789 million in state and local tax revenue in 2023

Job Creation

Construction & Specialized Trades (Initial & Ongoing)

Electricians, HVAC Technicians, Fiber Optic Technicians, Plumbers/Pipefitters

Operational Support

Site Security, Facility Management, Cleaning and Maintenance

Local Service and Economic Support

Hospitality Workers, Logistics and Transportation Personnel

Community Benefits

Building and strengthening the tech ecosystem of the **Silicon Forest**

Catalyst for clean energy development

Data centers often provide funding of infrastructure upgrades in areas lacking other opportunities

Source: PwC, "Economic Contributions of Data Centers in the United States, 2017-2023," February 2025



Addressing Concerns: Power and Water

Energy Efficiencies

Global data center energy usage has remained relatively stable even as computing and storage demands have grown exponentially

Computing output rose ~550% (2010–2018) with only ~6% energy use growth

Small, on-premise server rooms are generally far less efficient than centralized, large-scale, modern data centers that can reduce energy waste and improve performance per watt

Energy Grid Strain

While AI is increasing power demand in specific regions, the industry is increasingly investing in, or acting as a catalyst for, renewable energy growth and advancement

Modern data centers have shifted from inefficient, older methods to hot/cold aisle contained and liquid cooling, which significantly reduce energy overhead

Water Usage

While some older or less efficient facilities use high volumes of water, many modern data centers utilize air cooling or closed-loop liquid cooling systems that consume little to no water

Project Highlight



Pittock Block

921 SW Washington Street
Portland, OR

Building Info:

- National Register of Historic Places landmark
- 302,000 SF (120,000 SF data center space)
- 8-story reinforced concrete structure with brick exterior
- Built in 1913 and renovated in 2001 and 2021 with ongoing development to accommodate additional future capacity

Power:

- 8 MW capacity
- On-site power generation
- Five on-site generators providing 7 MW of backup power
- N+1 UPS Redundancy

Network:

- Internet Exchange Point for the Pacific Northwest
- Direct access to the Asia-Pacific market through seven subsea cables
- Houses 16 fiber optic carriers



Aligned PDX-01

Hillsboro, OR



- ENERGY STAR Score of 97
- Closed-loop water system design (near zero WUE)
- High SRI roof
- 100% renewable options
- EPDs ($\geq 40\%$) for core & shell materials

MACKENZIE.



Thank You!

Christopher Binder

Sr. Manager, Policy & Program Development | GBI

cbinder@thegbi.org

Alison Hoagland

Principal | Mackenzie

ahoagland@mcknze.com

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WEA TEXT LINE: 503-968-3100

Menti #3

What word or phrase comes to mind when I say “data center”? (Word Cloud)

Instructions

Go to
www.menti.com

Enter the code

2461 5210



Or use QR code

Energy and Business

Meeting the needs



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3.19.26

**ENERGY
STRATEGY**

MODERATOR



Tom Rinehart
CEO & Owner
Rinehart Strategies

PRESENTERS



Nick Triska
Business Development
Greater Portland, Inc.



Mike Colgrove
Director
Energy Trust



Stefan Bird
President
BrightNight

Energy + Business: Meeting the Needs

**National Site Selector Sentiment
+ Regional Competitiveness**

Westside Economic Alliance | 2026 Policy Conference



Introducing GPI

Regional Economic
Development

Purpose + Work



Greater Portland Inc (GPI) is dedicated to creating and expanding jobs and driving tangible regional prosperity.

GPI offers ***confidential, no-cost assistance*** to domestic and international companies interested in investing and growing within Greater Portland.

We are ***a single point of contact*** and convener to all regional resources.

Work Includes

- Project Management
- Connectivity to Providers & Key Assets
- Access to Workforce and Education Partners
- Diversity & Inclusion Resources
- Data Resources, Research, & Analysis
- Market Visits
- Securing Incentives
- Real Estate Connectivity

Site Selection

Competing for Jobs +
Investment



The National Backdrop

Demand is Surging at Historic Scale

>70%

25+ years old

**of the U.S. Grid is Over 25
Years Old and Has Never
Been Upgraded**

+3.6%

annually 2026-30

**Forecasted Rate of Global
Electricity Demand Increase
Through 2030**

19¢

per kWh (US avg)

**7% Average Annual Increase
in Electricity Prices Across
the U.S. Over 5 Years.**

The Stakes

The Conversation Has Changed

“Power is no longer a simple commodity — it is the primary gating factor for any major industrial development. With interconnection queues backlogged for years, ‘time to power’ can make or break a major investment.”

- Puanani Norwood for Area Development, Q4 2025

#1

Energy availability ranked the ***MOST IMPORTANT*** factor by site selection consultants

Four Critical Questions



Power Questions Make or Break a Project

1. How much and by when?

The first, and possibly last, question asked.

2. What will it cost?

The Pacific Northwest no longer leads on affordability.

3. How reliable is service?

Frequency and length of outages are critical to high technology and telecom sectors.

4. How clean or renewable?

Many industrial users are bound to big internal clean power goals.

A Competitive Landscape



Regions Winning Energy-Intensive Projects + Why

Southeast (GA, SC, TN)	Speed of permitting, pro-biz energy policy, incentives
Texas/Midwest (TX, IA)	Abundant grid capacity, rapid renewable buildout
Mid-Atlantic (VA, PA, OH)	BPA-free interconnection, shovel-ready sites

What Site Selectors Flag About The Portland Region

- 1. Interconnection queue backlogs:** new projects may wait years before energization
- 2. "Time to power" uncertainty** makes site control premature for many industrial prospects
- 3. Rate trajectory concerns:** 30%+ increase in 5 years signals ongoing cost exposure
- 4. Lead times** for transformers and substation equipment now exceed 30 months nationally



Nick Triska
Head of Business Development
nick.triska@greaterportlandinc.com
971-339-2009

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Vigor Marine Group, Portland

Energy Efficiency and Economic Development

Michael Colgrove, Executive Director

March 19, 2026



About Us

Independent
nonprofit

Serving 2.4 million customers of
Portland General Electric,
Pacific Power, NW Natural,
Cascade Natural Gas and Avista

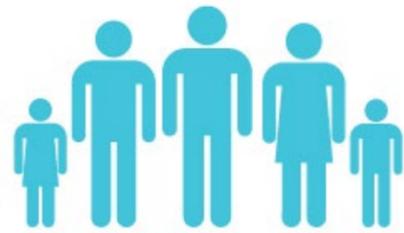
Providing
access to
affordable
energy

Generating
homegrown,
renewable
power

Building a
stronger Oregon
and SW
Washington

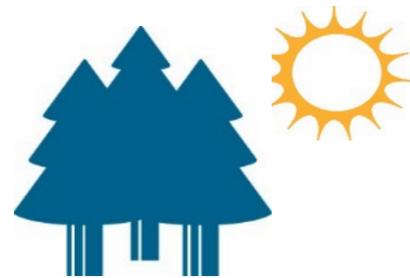
Clean and Affordable Energy Since 2002

From Energy Trust's investment of \$3.1 billion in utility customer funds:



842,000 sites transformed

into energy efficient, healthy, comfortable and productive homes and businesses



34,000 clean energy systems

generating renewable power from the sun, wind, water, geothermal heat and biopower



\$8.5 billion in savings

on participant utility bills from energy efficiency and solar investments



46.1 million metric tons of CO₂e

emissions kept out of our air, equal to removing 12.5 million cars from our roads for a year

Energy Trust + Economic Development

- **Driving economic growth**

Energy Trust's energy efficiency, renewable energy and battery storage initiatives contribute directly to economic development by delivering both energy and non-energy benefits.

- **Improving business competitiveness and reinvestment**

Businesses that reduce energy costs through our programs can control their energy costs, improve market competitiveness, and reinvest in staff, facilities and equipment—further stimulating economic activity.

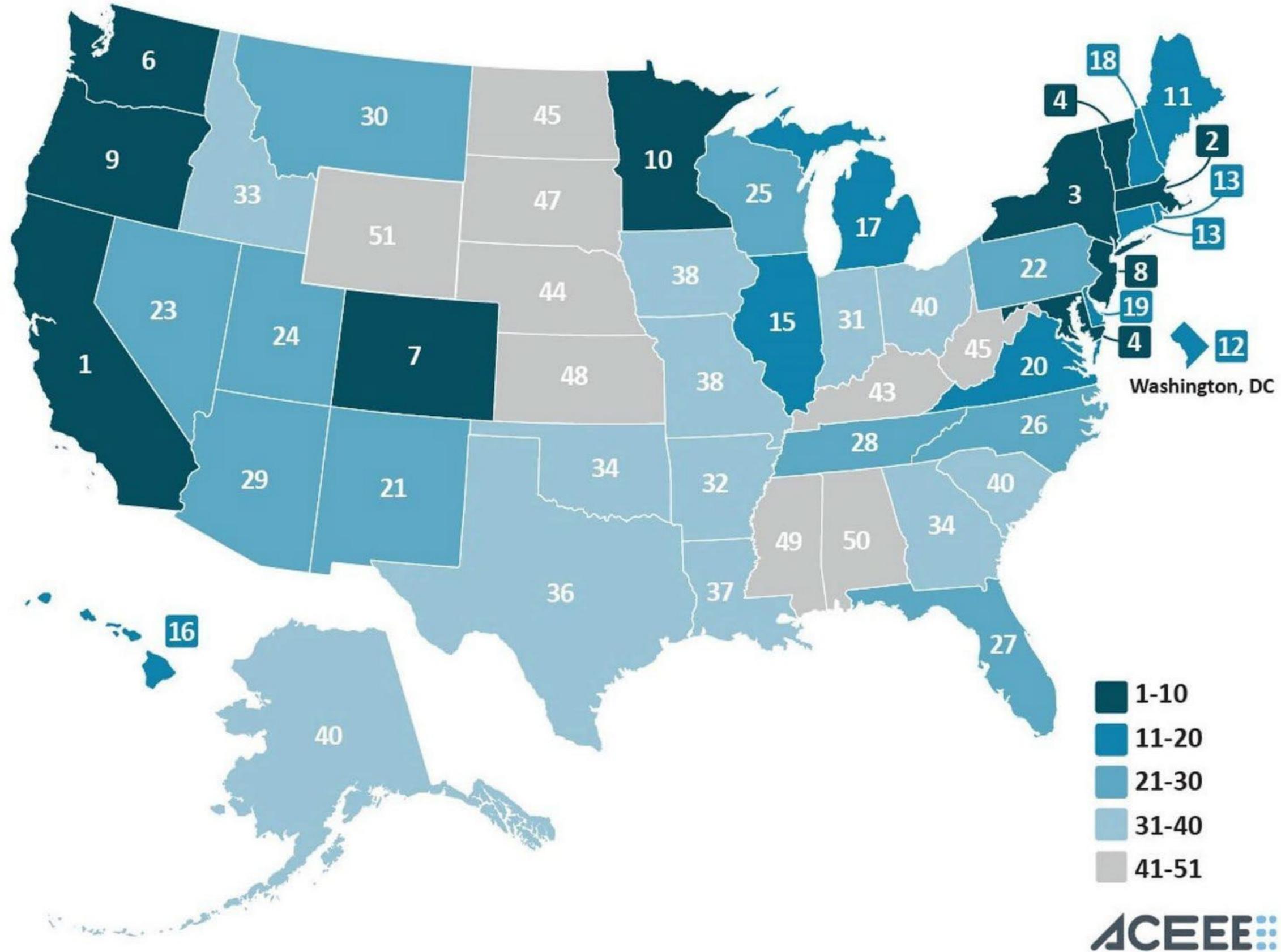
- **Supporting environmental and climate goals**

Participating in Energy Trust programs helps businesses and communities use less energy, advance corporate sustainability goals and meet Oregon's clean energy goals.

Energy efficiency is one of the ***fastest*** and ***cheapest*** ways to lower energy bills and offset growth and unprecedented energy demand.

American Council for an Energy-Efficient Economy (ACEEE), Feb. 2026

The 2025 State Energy Efficiency Scorecard



Energy Trust's 2026-2030 Multiyear Plan Will Deliver...

Investments over five years, including \$1.42 billion in cash incentives, will achieve:

Forecasted Results	Compared to Past 5 Years
285.5 aMW of electricity saved	247.5 aMW
45.7 MMTh of gas saved	32.9 MMTh
30.1 aMW electricity generated	29.2 aMW
146,000 homes served	145,000 homes
\$6.6 billion saved on customer utility bills	\$5.0 billion
\$2.0 billion in net benefits to the utility system	\$1.4 billion
11.4 million metric tons of CO ₂ e avoided	12.0 million metric tons

LAIKA

- Strategic Energy Management, LED lighting, HVAC controls upgrade
- Energy Trust incentives covered 60% of cost to upgrade HVAC controls
- 865,200 annual kWh savings from HVAC upgrade
- 743,900 annual kWh savings from LED lighting upgrade
- Bill savings of \$265,400.76



Columbia Sportswear

- Enrolled in commercial Strategic Energy Management offer since 2015
- Nine buildings
- \$76,200 in estimated annual energy cost savings from operational and behavioral changes



Local Governments and Public Entities



Oregon school districts



Clean Water Services



City of Beaverton

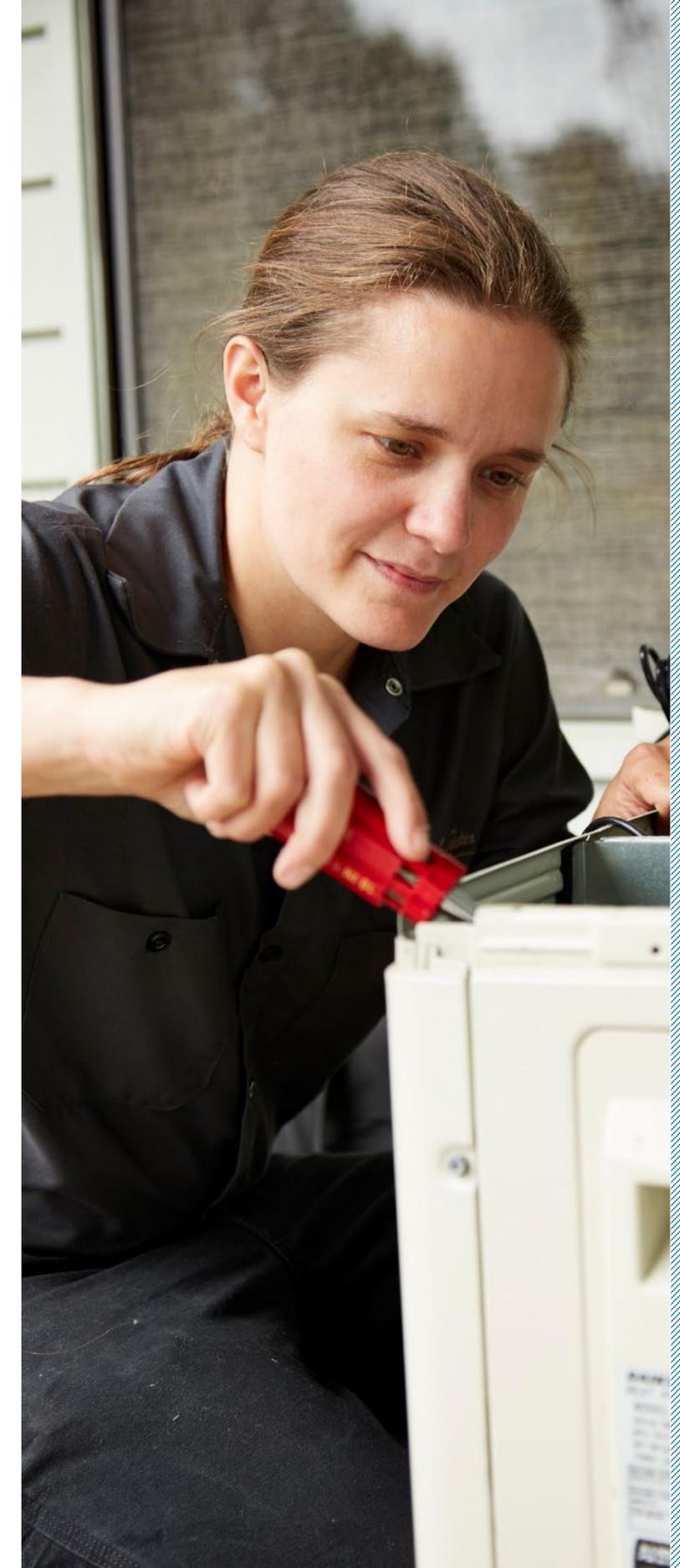
Energy efficiency as an economic
and business development tool



Helping achieve the westside's clean energy future

- Cash incentives
- Capital improvements, maintenance & early design assistance
- Network of local trade ally contractors and builders to provide tailored solutions
- Energy-use analysis studies
- Fire-resistant building construction practices
- Indoor heating and cooling efficiency recommendations
- Energy resiliency investments

Contact us today. Scan the QR code,
call 1.866.368.7878 or visit
www.energytrust.org



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BRIGHTNIGHT
Power when you need it

The Infrastructure for Opportunity

Energy and Economic Growth
in Washington County



Planning for growth starts with energy

“Projects are dying on the vine because we just don’t have enough juice where it counts.”

***–Bradley Migdal,
Cushman & Wakefield***



Advancing smart clean energy projects in communities across the United States

Deep bench of industry veterans

Our focus

- Maximize capacity of existing grid
- Minimize impacts through strategic siting
- Deliver win-wins for communities and the grid

BrightNight

Power when you need it



Washington County: Oregon's economic engine

An economy built on abundant energy

- Global hub for advanced manufacturing
- Jobs created by a thriving Washington county economy create many more jobs statewide
- \$62.7 billion in GDP (Washington County, 2023)
- \$104,434 median income (30% above state median)





A tipping point for the grid—and the economy

The resource adequacy gap

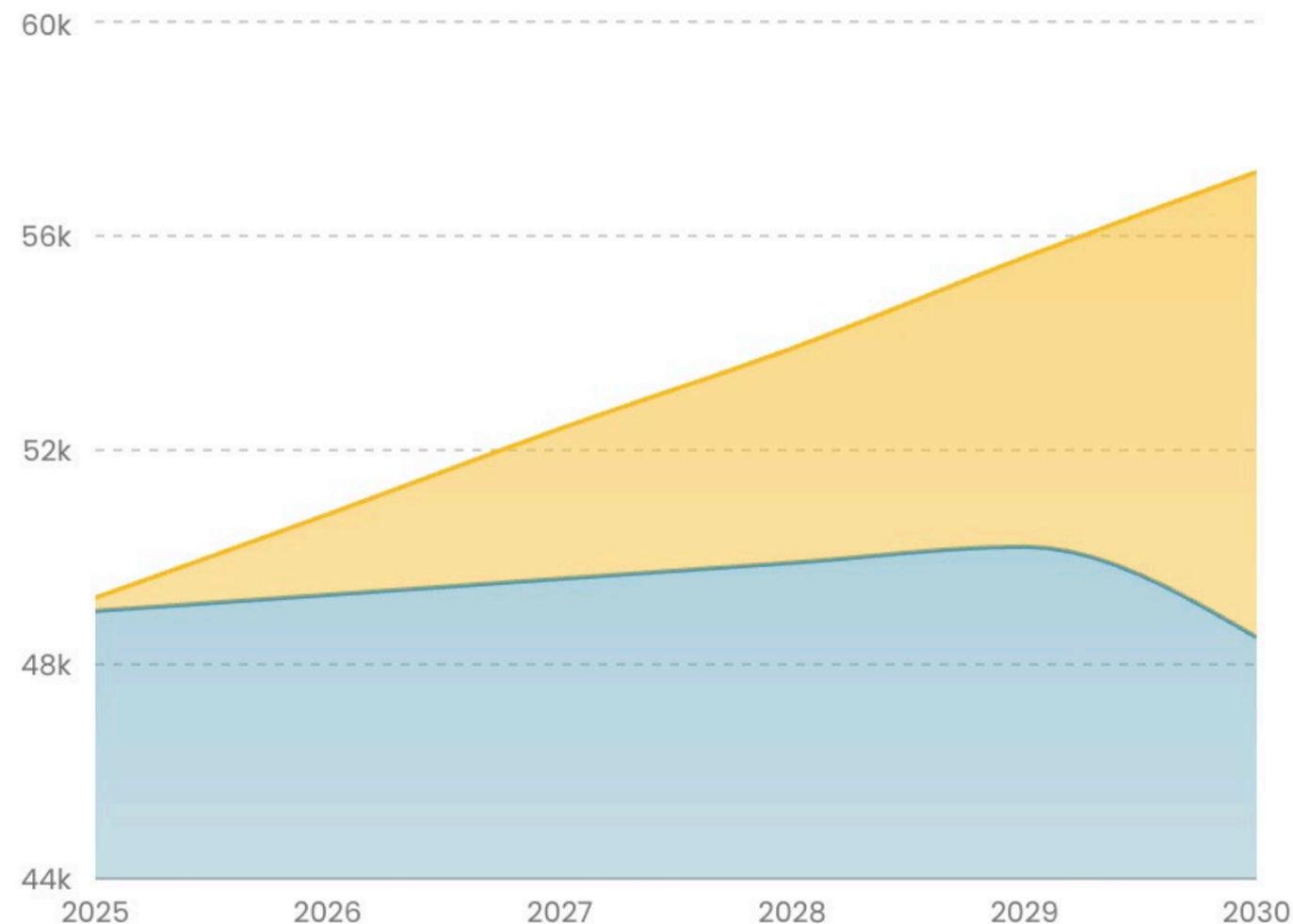
Oregon is struggling to meet current energy demands. A recent assessment by E3 projects shortfalls and even the risk of service disruption as soon as this year.

Infrastructure takes time. We can commit to it now, or we can resign ourselves to decades of constraint.

Projected PNW Resource Adequacy Gap

Peak Capacity: Need vs. Available Resources (MW) · 2025 – 2030

Available Capacity Capacity Shortfall



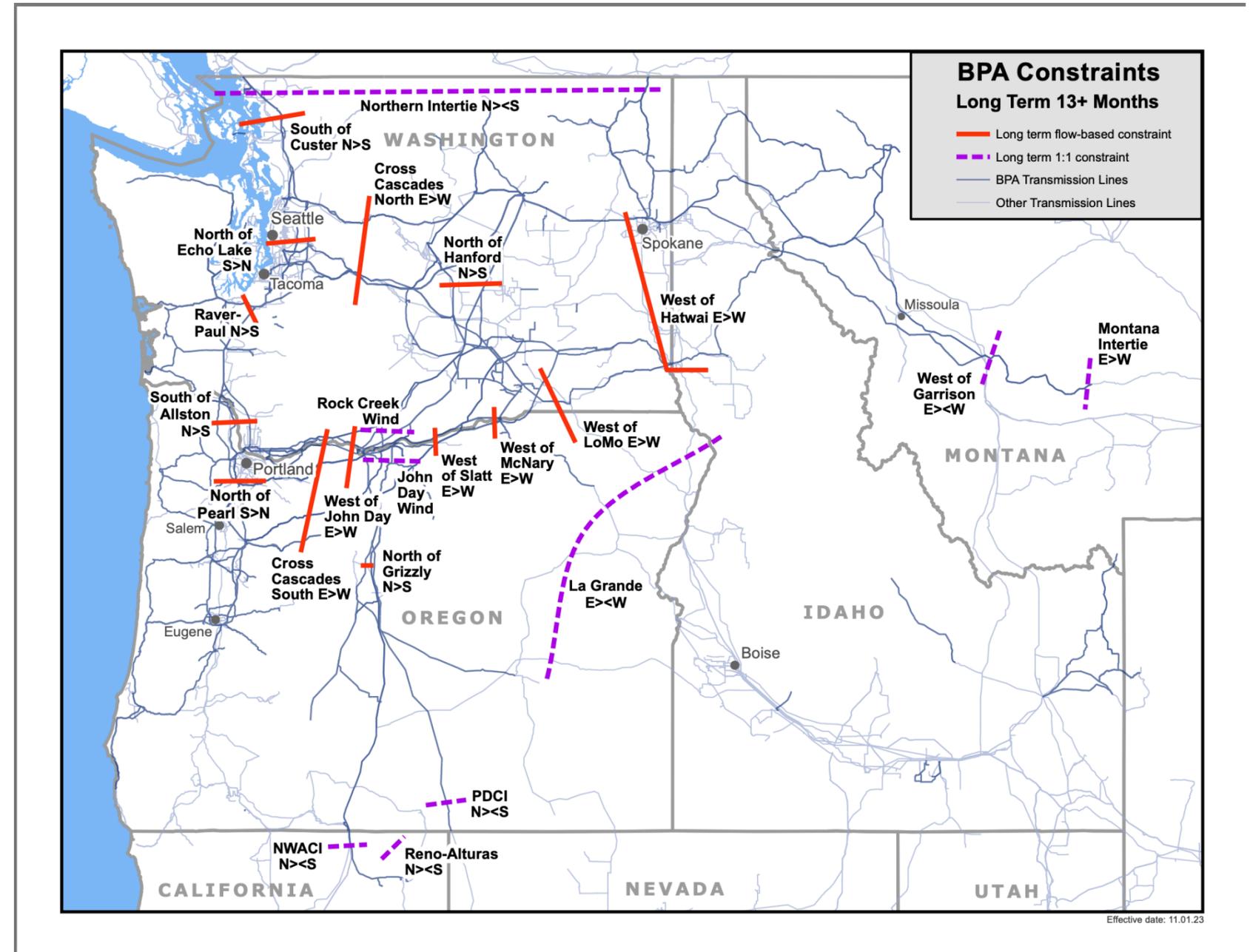
~9 GW SHORTFALL BY 2030

Source: E3 / WA UTC, Sept. 2025

Region-wide constraints. Local impact.

Transmission congestion is holding the region back

- There is a backlog of load requests in Washington County
- New power generation projects can't come online
 - 2015–2024: 469 renewable energy projects apply to connect to BPA's grid. Only one reached approval
- Expanded transmission will help but new transmission lines will take 10 to 15 years to permit and build



The Nottingham Energy Storage Center

200MW

800MWh

Battery Energy Storage System

GRID & ENERGY BENEFITS



Expanding Grid Capacity

Adds 200 MW of dispatchable power to the regional grid, alleviating transmission constraints and strengthening reliability during peak demand periods.



Improving Energy Integration

Enables greater integration of renewable energy by storing and dispatching clean power when and where it's needed – reducing curtailment and supporting a cleaner grid.

ECONOMIC IMPACT

\$85.9M

In taxes, wages & local spending
Construction phase economic impact

200+

Direct & indirect jobs statewide
Including 73 direct construction jobs

\$37.6M

State & local tax revenue
Over the life of the project

Meeting critical needs with minimal impact

Environmentally responsible design

Compact footprint

Strategic location minimizes need for new power lines



BRIGHTNIGHT
Power when you need it

Thank you

Stefan Bird
President, BrightNight

WEA POLICY | 26 **CONFERENCE**

WEA TEXT LINE: 503-968-3100

Menti #4

Do you believe we can grow our economy while transitioning to clean energy?

Instructions

Go to

www.menti.com

Enter the code

2461 5210



Or use QR code



Menti #5

Take away, question or advice for the policy makers?

Instructions

Go to

www.menti.com

Enter the code

2461 5210



Or use QR code

Growing Oregon's Clean Economy: Clean Tech and Green Jobs



**WEA POLICY
CONFERENCE**

3.19.26

**ENERGY
STRATEGY**

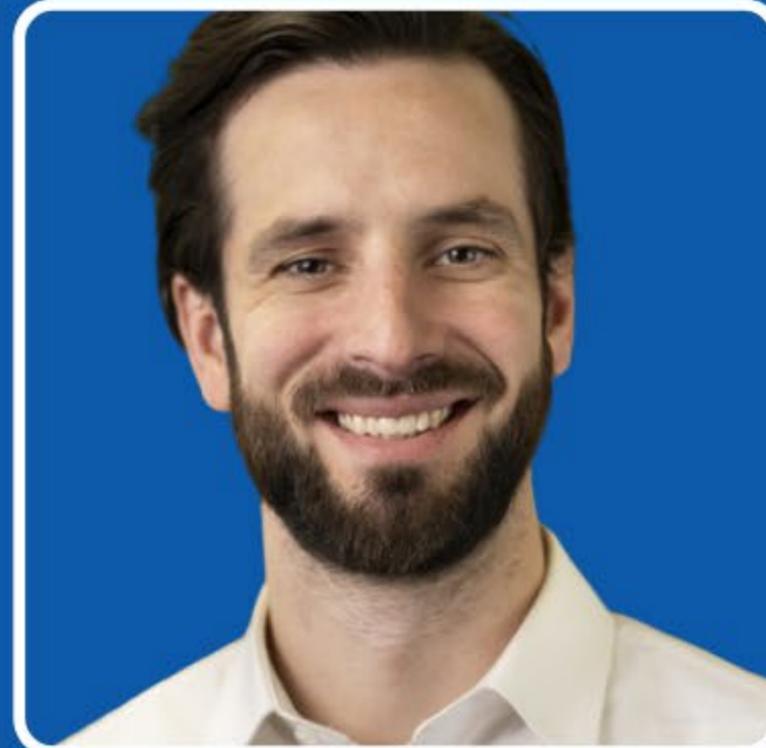
MODERATOR



Johnell Bell

CEO & Founder
Espousal Strategies

PRESENTER



Andrew Desmond

Director, Economic Policy
Oregon Business Council

WEA Policy Conference

Toward a Prosperous Clean
Economy

Four Dimensions of Oregon's Clean Economy

Adapted from ODOE's Biennial Energy Strategy



Carbon Intensity

Oregon's economy is already among the cleanest in the nation — a competitive advantage to protect and extend.



Energy Abundance

Cheap, reliable clean energy as a critical input for industry — especially as everything gets more energy-intensive.



Infrastructure Jobs

Jobs from building and maintaining Oregon's clean energy generation, storage, and transmission infrastructure.



New Traded-Sector Industries

Creating whole new export industries — solar PV, batteries, EVs — leveraging Oregon's semiconductor & high-tech ecosystem.

Temperature Check: Where We Stand



Carbon Intensity

Oregon ranks #9 nationally — 30% below the U.S. average. Our economy is already one of the cleanest. This is a strength to build on.



Energy Abundance – Energy Bottleneck

The Governor's office and Business Oregon report that power availability is the state's most urgent bottleneck to recruiting new employers.



Lagging Generation & Transmission Built = Fewer Clean Economy Jobs

Oregon ranks near the bottom nationally in building new clean energy generation — directly connected to the energy availability crisis.

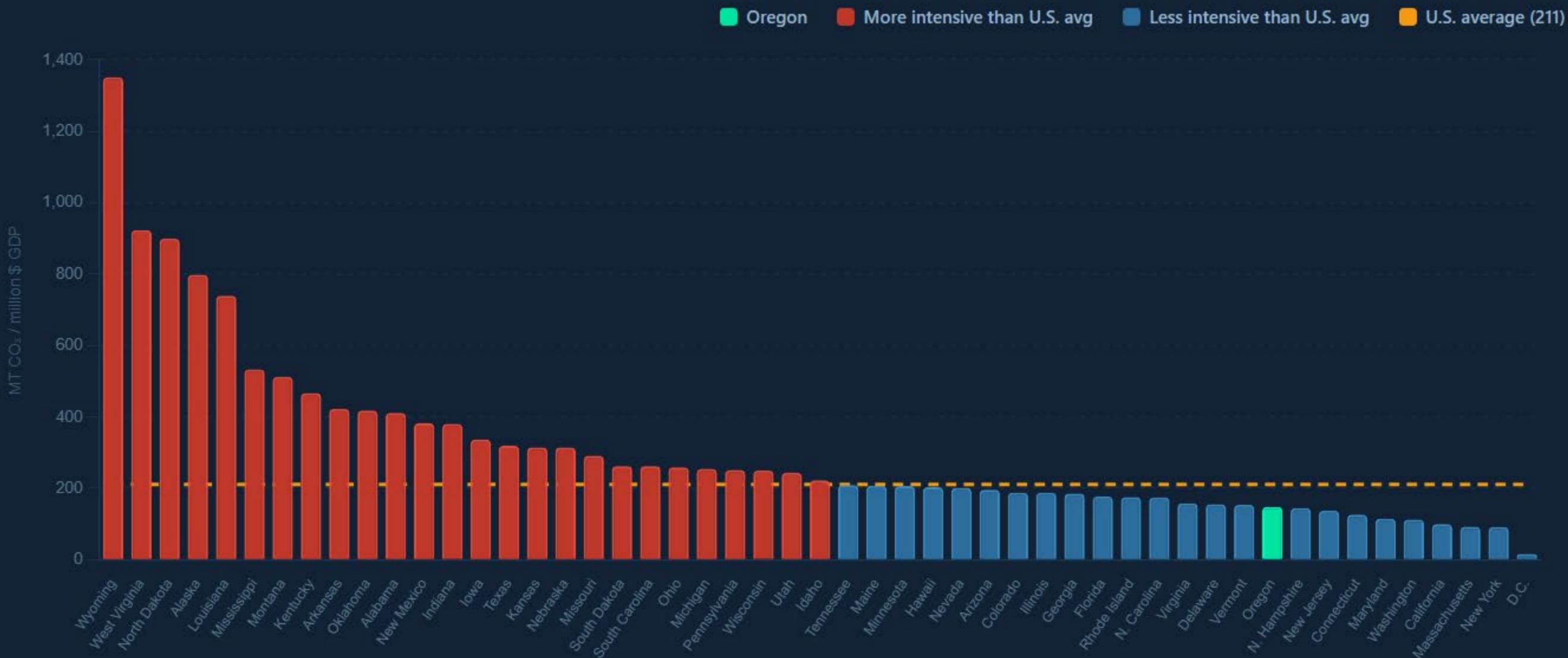


Oregon Missing on the Clean Tech Manufacturing Map

The national map of clean tech manufacturing investment shows Oregon noticeably lacking. Project losses cite lack of industrial land and slow processes.

Carbon Intensity of the Economy — All 50 States + DC (2023)

Metric tons CO₂ per million chained 2017 \$ GDP · Lower is cleaner



OREGON'S RANK

#9

out of 51 — top 18%

OREGON'S SCORE

148

MT CO₂ / million \$ GDP

VS. U.S. AVERAGE

30% lower

National avg: 211

VS. WORST STATE

89% less

Wyoming leads at 1,352

Temperature Check: Where We Stand



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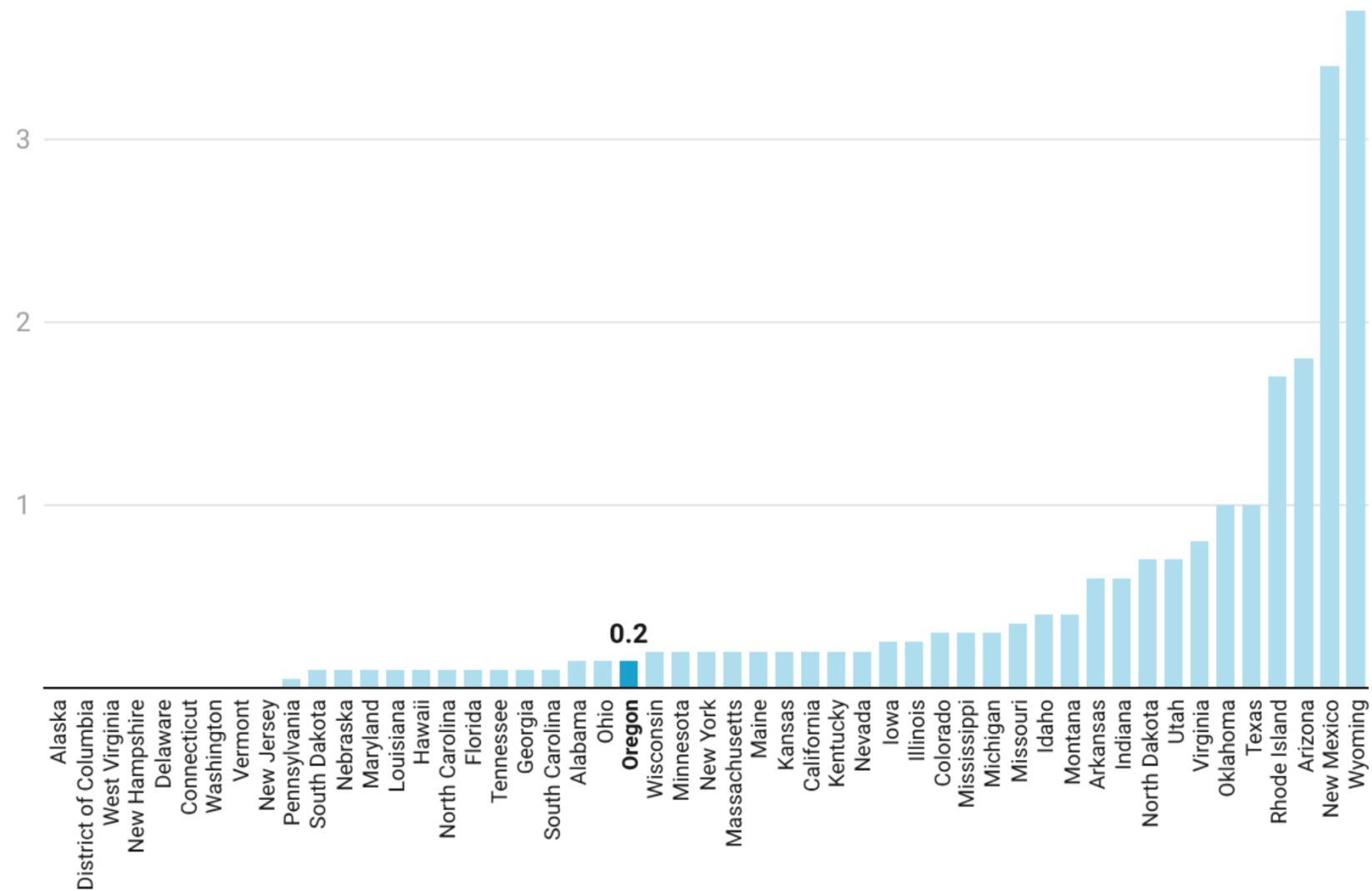
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We're not adding enough new clean energy generation

Clean Energy and Industrial Decarbonization Investments, Expressed as a Percent of GDP, By State, 2025

Investment in new or existing facilities to produce clean energy, capture carbon dioxide emissions, or decarbonize industrial activity

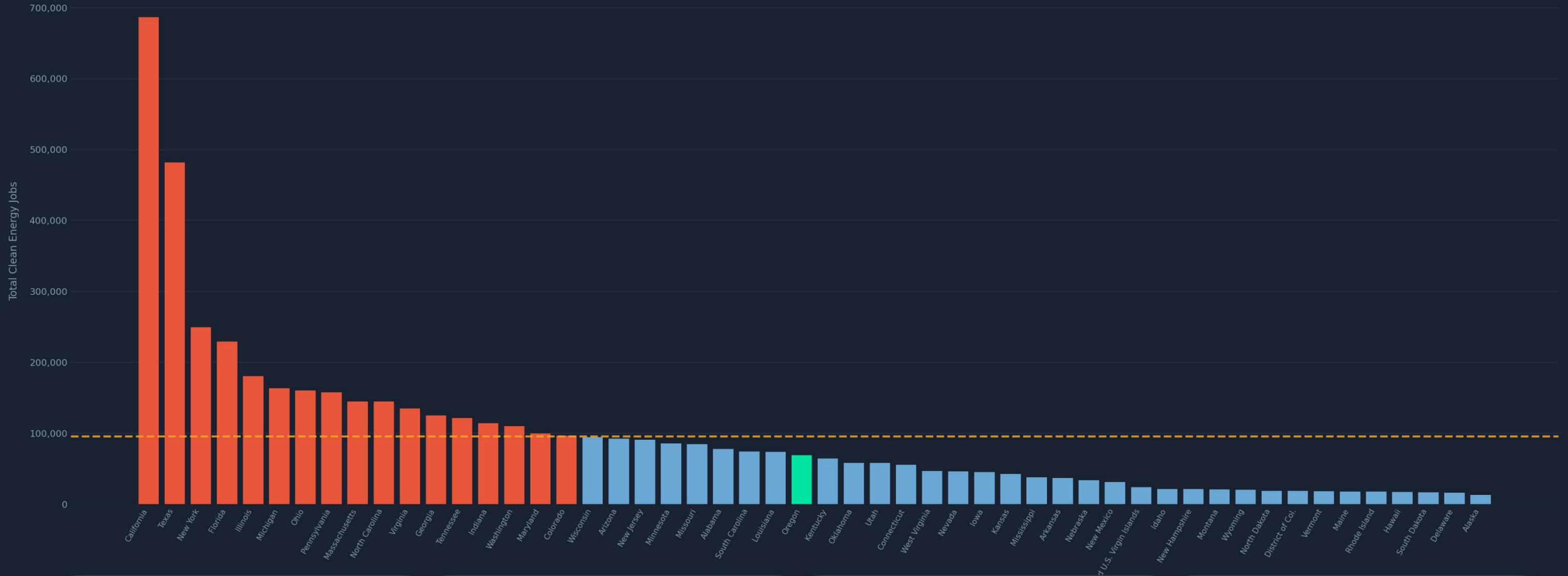


Source: Rhodium | MIT Center for Energy and Environmental Policy Research; Accessed March 4, 2026 • Created with Datawrapper

Clean Energy Jobs — All 50 States + DC + PR (2024)

Clean generation, nuclear, grid & storage, energy efficiency, and clean vehicles · Higher is better

■ Oregon
 ■ Above U.S. avg
 ■ Below U.S. avg
 ■ U.S. average (95,240)



OREGON'S RANK

#26

out of 52 — top 50%

OREGON'S JOBS

68,859

total clean energy jobs

VS. U.S. AVERAGE

28% lower

National avg: 95,240

VS. TOP STATE

90% less

California leads at 686,566

Temperature Check: Where We Stand



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Oregon is Missing from the Clean Tech Investment Map



MAJOR CLEAN ENERGY PROJECTS ANNOUNCED SINCE THE PASSAGE OF IRA

Explore the hundreds of projects announced since the Inflation Reduction Act (IRA) with the dropdown navigation, filters, and interactive charts.

Map View

Sector

- Battery/Storage
- Clean Vehicles
- Grid/Electrification
- Solar
- Wind
- Other

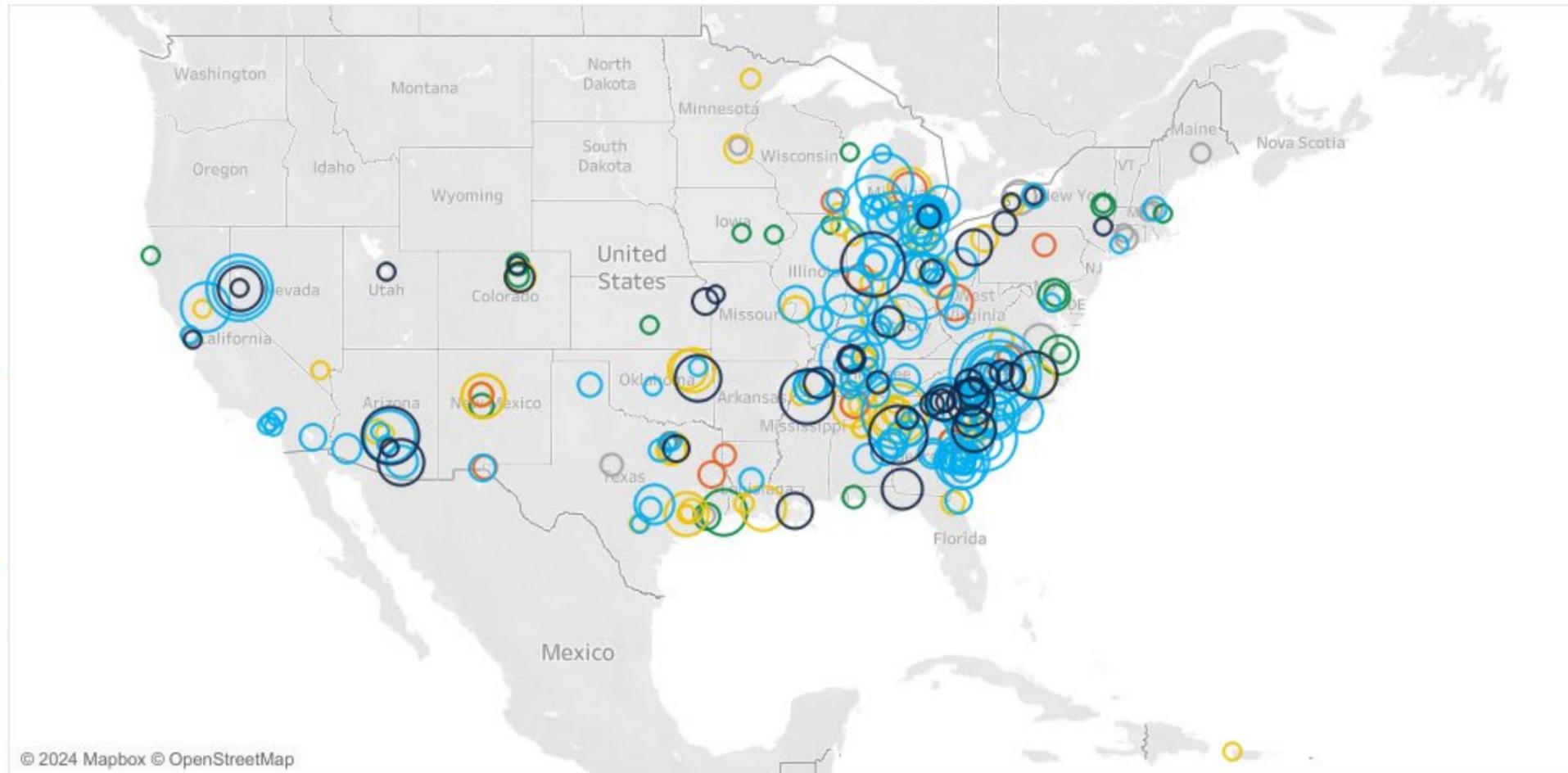
Project Size by Attribute
By Investment

- 1,600,000
- 2,000,000,000
- 4,000,000,000
- 6,000,000,000
- 8,000,000,000

Show/Hide Project Type

Hide

Project Type Hidden



Filters

State

All

Project Type

Manufacturing

Sector

All

Date Announced

All values

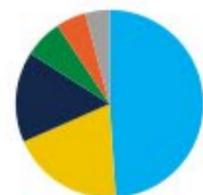
RESET FILTERS

© 2024 Mapbox © OpenStreetMap

Projects are divided into six Sector Types: Battery/Storage, Clean Vehicles, Grid/Electrification, Solar, Wind, and Other. The Other category includes biofuel, energy efficiency, geothermal, and hydrogen projects.

Icons from the Noun Project

Breakdown by Sector



- Clean Vehicles
- Solar
- Battery/Storage
- Wind
- Grid/Electrification
- Other

Job Investment Totals

Announced Projects	288
Announced Investments	\$119,934,559,000
Announced Jobs	106,870

Project List

Developer	City	Project Type	Announced Jo..	Announced Invest..	
6k Energy	Jackson	Manufacturing	230	\$250,000,000	Details
ABB	Albuquerque	Manufacturing	55	\$40,000,000	Details
ABB E-Mobility	West Columbia	Manufacturing	Not Specified	\$4,000,000	Details
Advanced Nano Projects	Elizabethtown	Manufacturing	93	\$50,000,000	Details
AESC	Florence	Manufacturing	450	\$810,000,000	Details
			1080	\$1,500,000,000	Details

Clean Tech Task Force Strategy

How Oregon Becomes a National Clean Tech Mfg + Innovation Hub

1

Incentives & Regs

Dedicated incentive fund
R&D incentive
Employee training subsidies

2

Industrial Land

Revamped tools to de-risk investment in land readiness
Funding to support readiness

3

Transmission & Energy

Priority for siting energy infrastructure
Transmission authority
Encourage investment in infrastructure

4

Talent & Workforce

Apprenticeship & higher-ed programs
Develop clean tech mfg programs

5

Research & Innovation

Fill gaps in early-stage financing
Build physical R&D and prototyping infrastructure

The Learning Curve

Oil faces a depletion curve — the more we extract, the harder and costlier it gets.

Solar and tech face a learning curve — the more we produce, the cheaper it gets.

This dynamic suggests the economics of the clean energy transition will win, regardless of federal policy shifts.

Energy Independence

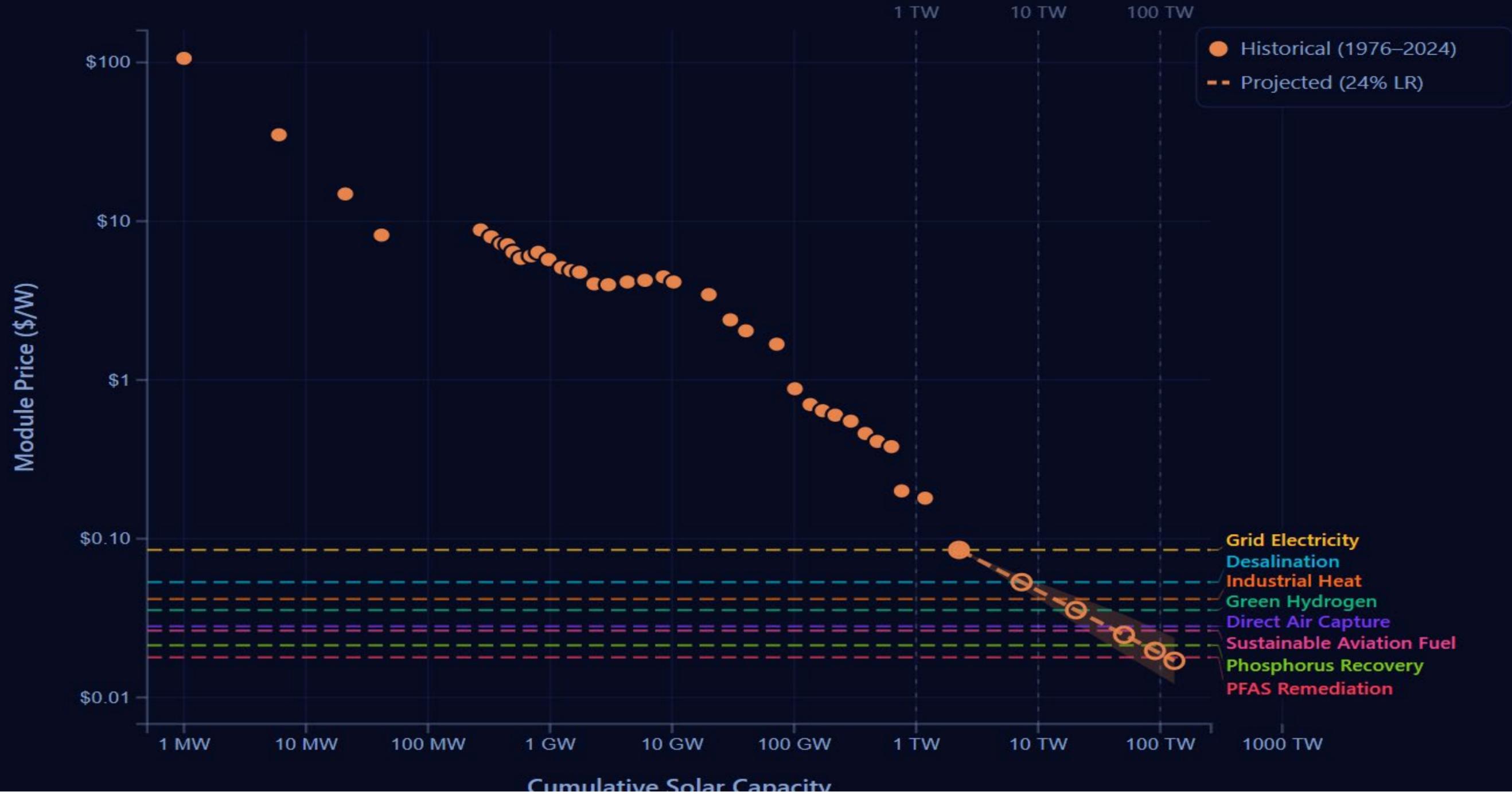
Geopolitical instability reveals the fragility of dependence on extractive fossil fuels.

Renewable energy — solar, wind, nuclear — offers genuine energy independence.

The world will accelerate decarbonization. Oregon must be positioned to benefit, not watch from the sidelines.

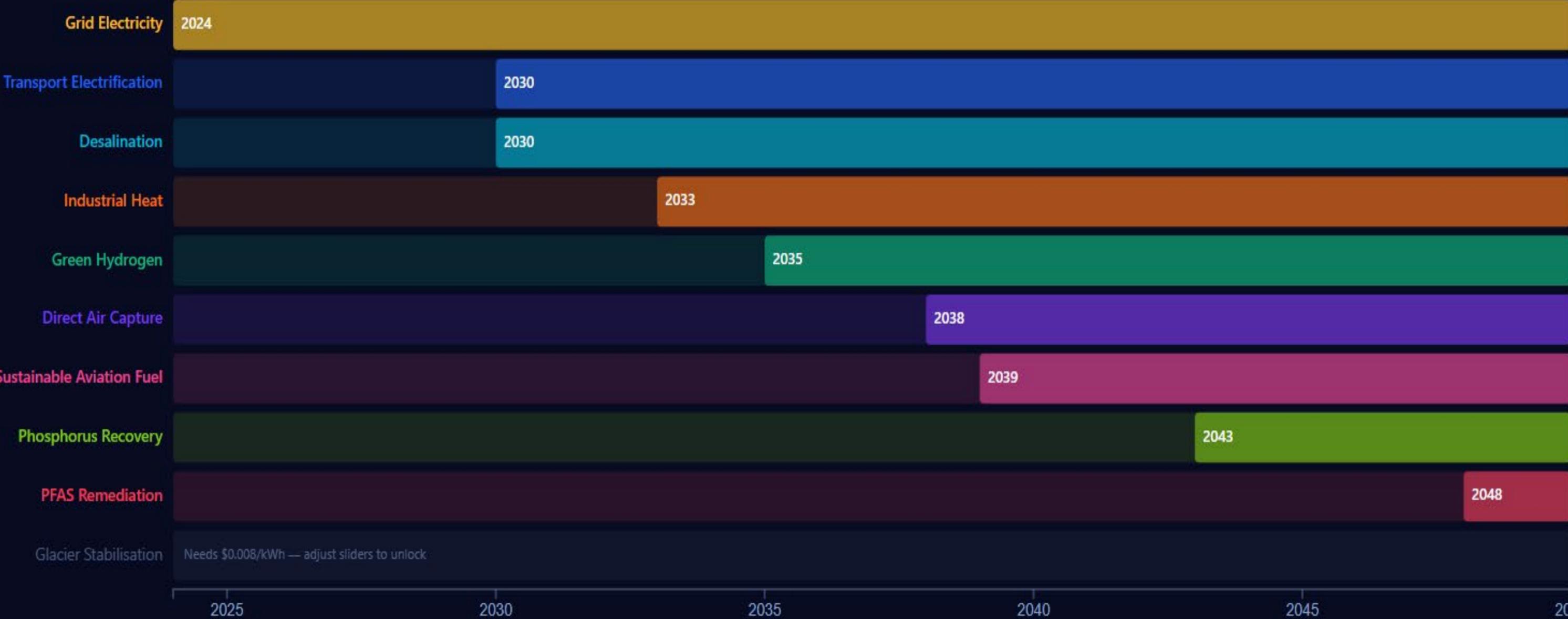
The Solar Learning Curve

Every doubling of cumulative solar deployment drives costs down by the learning rate. This is Wright's Law — the same force that made computing ubiquitous.



Entire Markets Unlocked by Falling Costs

As solar LCOE crosses key thresholds, entirely new trillion-dollar markets become viable. Drag the learning rate to see markets open and close.



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Let us know your Feedback!

Name/Organization (Optional): _____

Are you a WEA Member: Yes / No

What did you like about today's event?

What could be done better next time?

Rank today's event: 1 2 3 4 5



Jupiter

POWER



CLOSING REMARKS



Beach Pace

Mayor

City of Hillsboro



Enjoy the Reception!

