



R100 – HB 3180

Oregon’s “Responsible 100%” Clean Plan

Solutions-Oriented, Economic Development, Aggressive-but-Pragmatic,
Oregon-Benefits-Maximizing, Energy- & Fiscally-Smart,
Investment-Unleashing, Fast-Track Decarbonization Plan

For the Most Important Decade in the History of the World

Jake Stephens, CEO, NewSun Energy

4/5/21

Oregon House Energy & Natural Resources Committee

HB 3180 -3 Hearing Presentation



- **Overview of HB 3180 -3**
 - **Highlights**
 - RPS Increase
 - 50% In-State+
 - Oregon Build
 - **Minimal Ratepayer Costs**
- **Brittany Andrus:**
 - PUC, Timelines, Costs
- **ECONorthwest**
 - Adam Domanski

Core Principles - 100% Clean



Acts Now – Proven Concepts – Assured Outcomes

- **Maximize Benefits to Oregon:** \$EconDev; Resiliency; Jobs; Wildfire
- **Clear Market Signals:** Unleashes Investment
- **Max Impact in 2020s** – and supports/ensures 2030s success
- **Proven Concepts, Existing Statute,**
- **New Renewables Build Required for Cleaner Grid**

HB 3180 Uses: Clear Criteria & Known Statute

- **No Delay to Progress; No Risk to Climate Action**

Impact-Focused HB 3180 -3

- **A) RPS Increase & Acceleration, with “teeth” + COU fixes**
- **B) 50% RPS from In-State+ Siting & Resiliency Enhancing***
- **C) Enhanced Community-Based Renewables: Incr’d Scale & Eligibility***
- **D) Enhanced IOU Clean Plan & Alt-Solutions Requirements ***
- **E) Storage Clarifications for hydro & wholesale charging**
- **F) PUC Mission Statement Update for Enviro/GHG/SJ-EJ/low-income**
- **G) Limited PURPA/QF fixes: Courts, 25-yr PPAs**
- **H) Labor Standards for Publicly Funded & IOU renewables (NEW)**

Removed (to focus on Critical)



- Fossil Phase-Out Provisions
- PPA rate recovery
- Extra PPA price authorizations for social
- Performance Rate-Makings + IOU %ROE
- Storage Mandate
- Most of PURPA strengtheners

A) RPS Increase & Acceleration

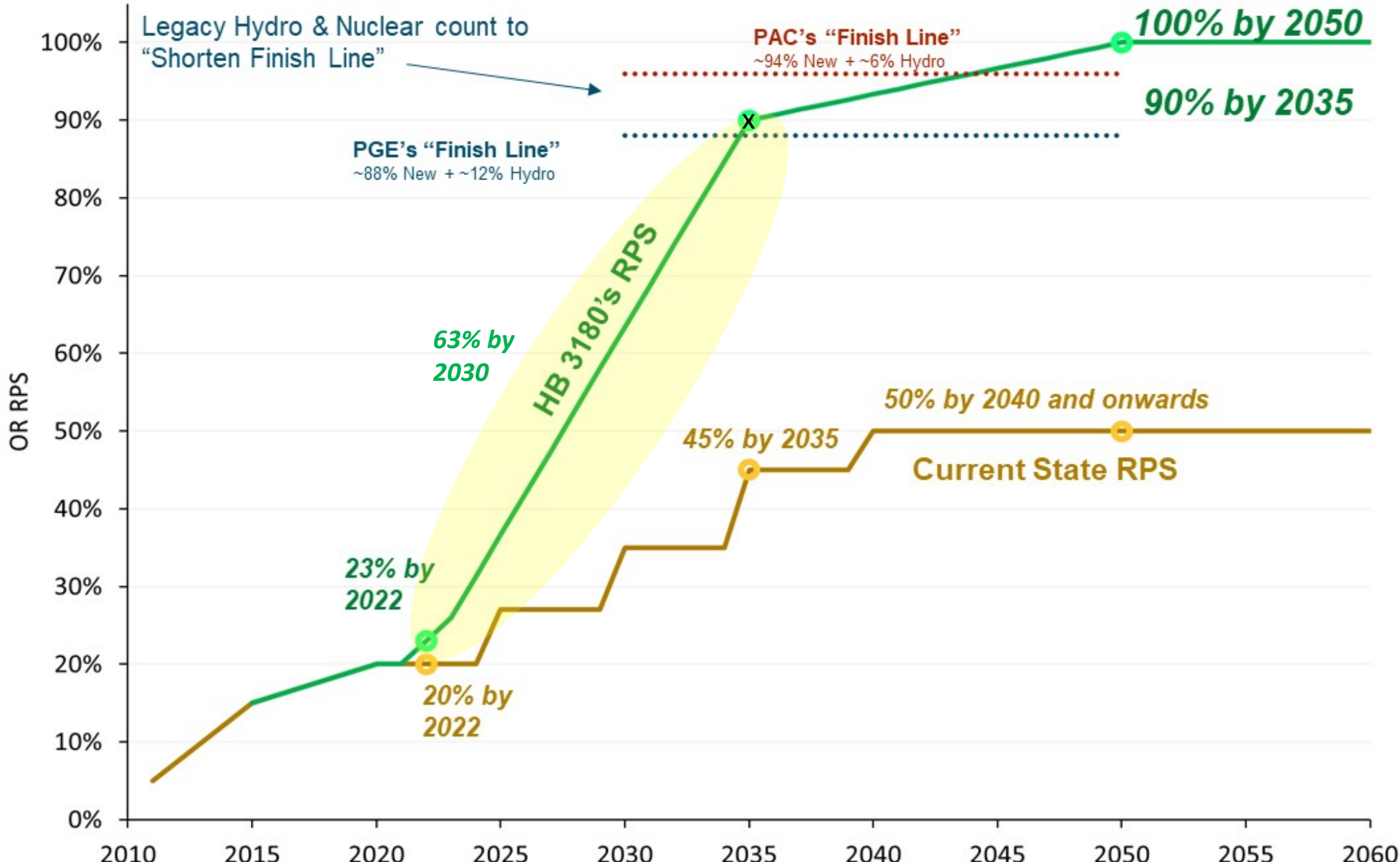
HB 3180 -3

- **23% by 2022**
- **63% by 2030**
- **90% by 2035**
- **100% by 2050**
- **Annual Milestones**

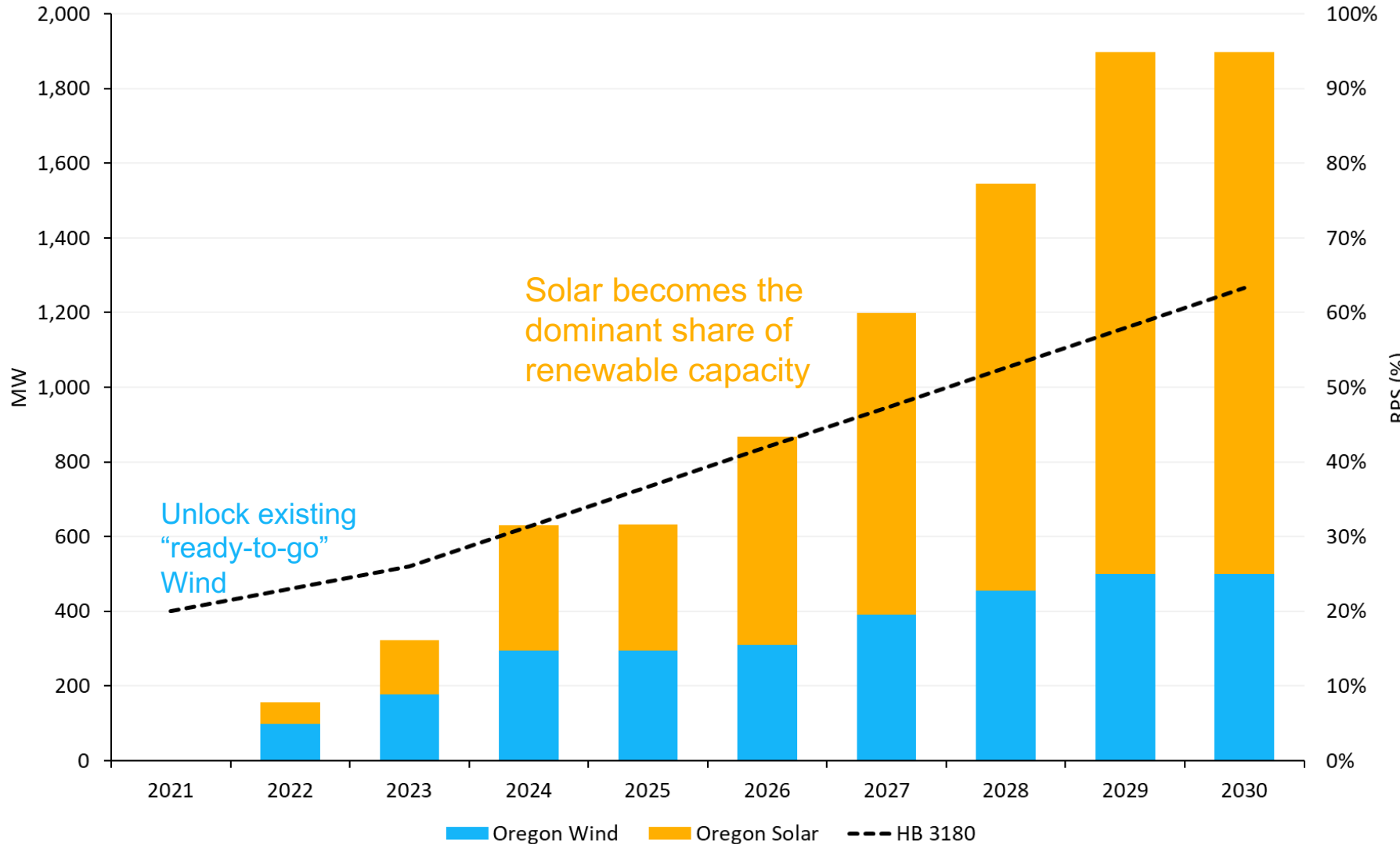
Current RPS

20% till 2025
 35% by 2030
 45% by 2035
 50% by 2040
 5-year milestones

Year	Existing RPS	HB 3180 RPS
2021	20%	20%
2022	"	23%
2023	"	26%
2024	"	31%
2025	27%	37%
2026	"	42%
2027	"	47%
2028	"	53%
2029	"	58%
2030	35%	63%
2031	"	69%
2032	"	74%
2033	"	79%
2034	"	85%
2035	45%	90%



50% Oregon, 2030 = \$2B Build



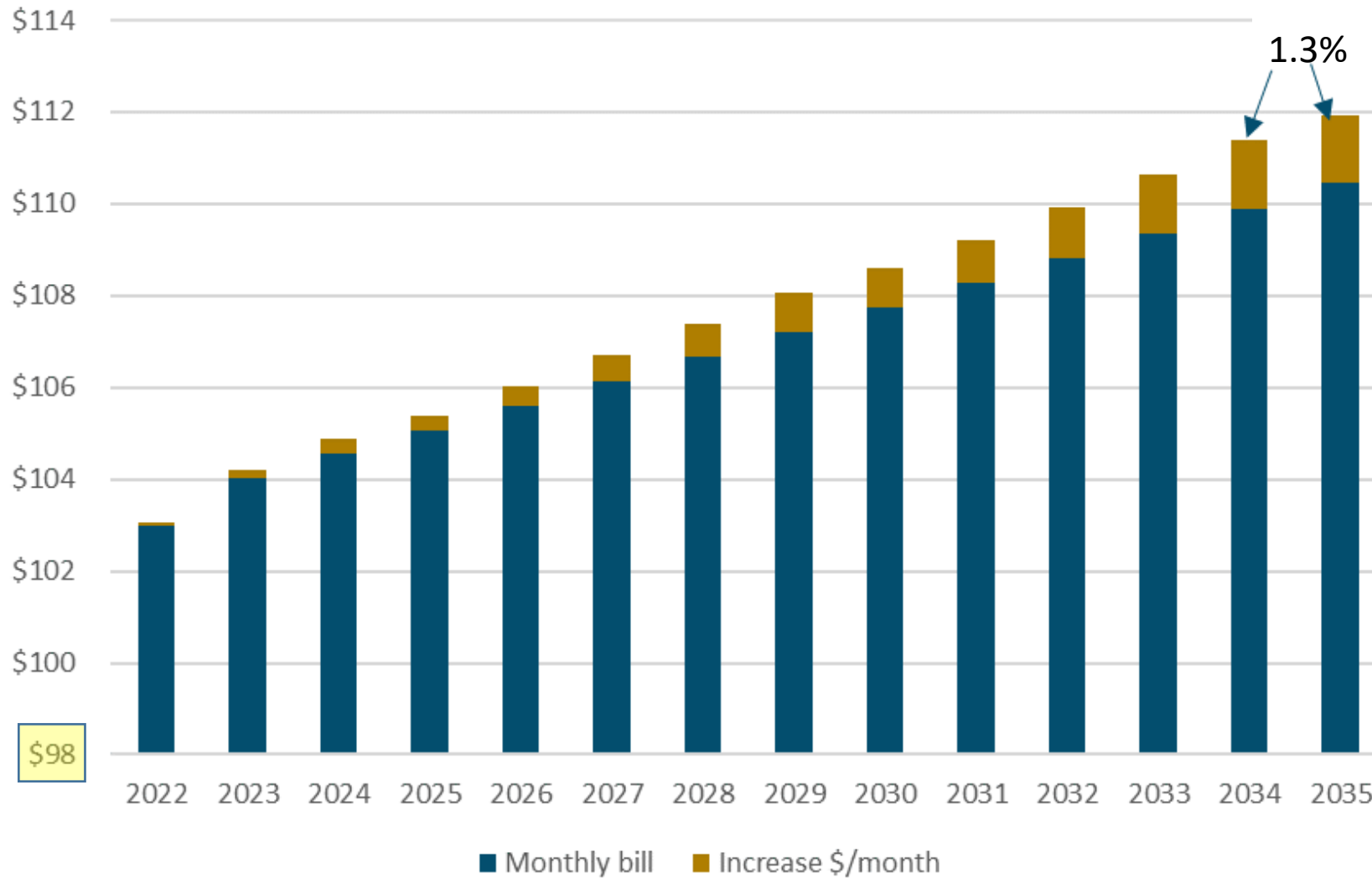
ECONorthwest Study discusses 8X benefits To Oregon

\$100s MM Of Labor Income And Econ Bens By 2030

Max In-State & Oregon Benefits

- **B) 50% of RPS In-State+ Siting Preference = OREGON SITED PROJECTS**
 - Projects Must Enhance Resiliency & Emissions/Reduction for Oregon
 - Connect to Oregon Utilities, BPA (contig. to OR), or within 50-mi of OR* (*safe-harbored)
 - (or other resiliency enhancing, reduce wildfire risk, etc)
- **C) Enhanced Community-Based Renewables Program**
 - “Shall” & Capacity Fixes
 - **Increased Eligibility** from 20 MW to 80-100 MW = *More Cost Effective; More viability*
 - Favors projects with Community Benefits, Tribal Siting, Conservation Nexus, Schools = Mkt to Invest
 - Increased Economies of Scale
- **D) Enhanced Planning & Alt-Solutions Requirements**
 - New PUC tools & IOU obligations to ensure Long-Lead Visibility to Failures
 - Forces very specific identification of needs/plans (i.e. transmission) – and...
 - Comparison of Alt-Solutions – DG, EE, DSM, alt-locations – vs TX risk, cost, schedule

RPS + In-State = Cost Effective **NewSun ENERGY**



HB 3180's RPS + 50% estimated to increase an average monthly residential bill **by no more than \$1/month in the 2020s, ~\$1.50 by 2035**

Next Up:

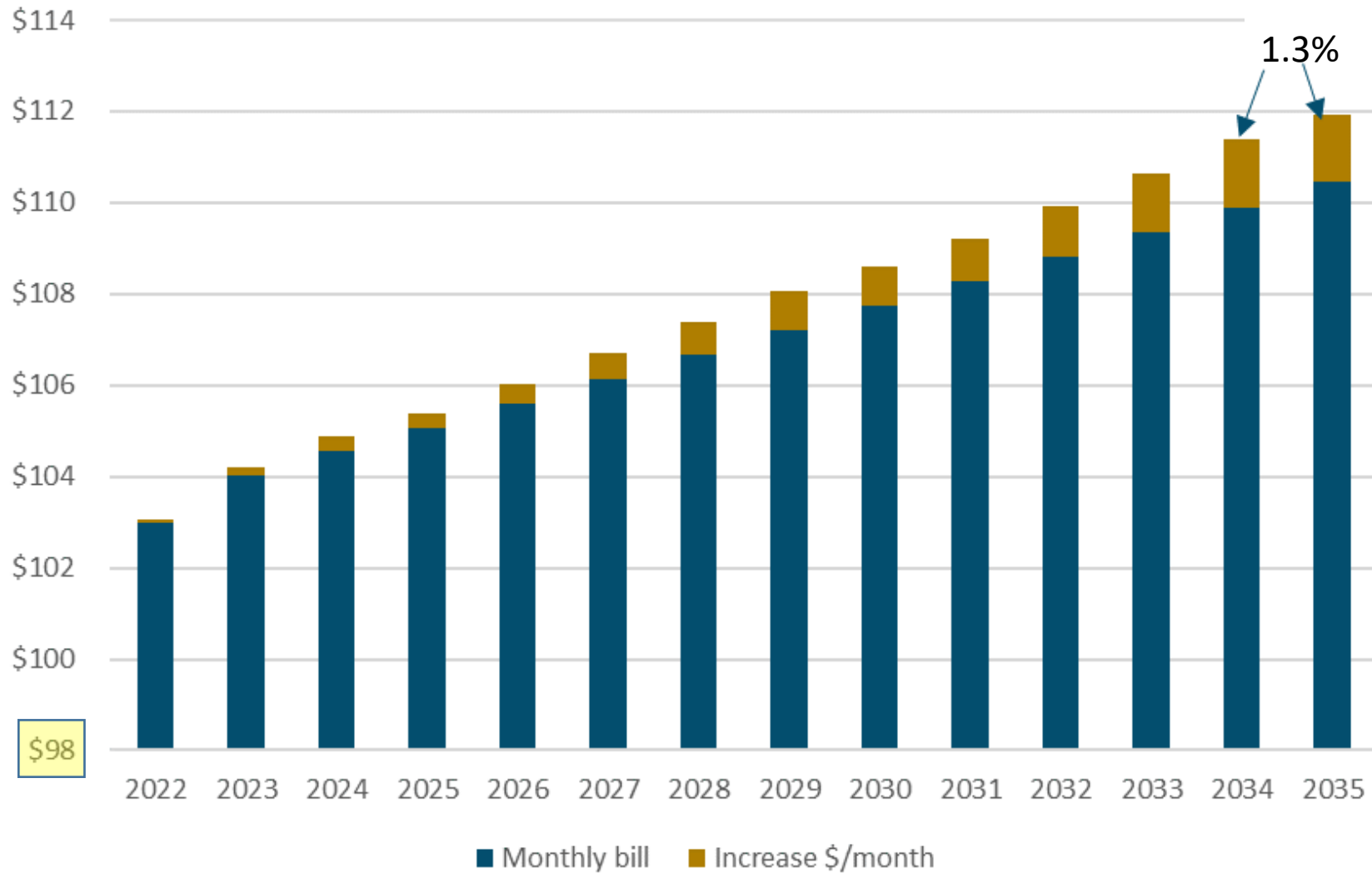
- **Brittany Andrus**, AndrusPDX Consulting
 - Timelines, PUC process, risks to outcomes
 - Ratepayer Cost Analysis
- **Adam Domanski**, ECONorthwest
 - Study of Oregon Benefits

Prior PUC Rulemakings

- Things take a while at PUC
- Don't underestimate IOU power
- Complexity & Newness = TIME
- RPS increase = simplicity = faster
- Risk of Outcomes: Years to know
 - if Legislative Intent fulfilled
 - if/how can fix

Docket	Proceeding	Opened	Status	Duration
AR 610	Rulemaking Regarding the Incremental Cost of Renewable Portfolio Standard Compliance	4/5/2017	Open	48+ months
AR 616	Rulemaking Regarding Renewable Portfolio Standard Planning Process and Reports	4/10/2018	Open	36+ months
AR 622	Small Scale Renewable Energy Projects Rulemaking	8/28/2018	Open	31 months
AR 631	Rulemaking to Address Procedures, Terms, and Conditions Associated with Qualifying Facilities (QF) Standard Contracts	7/30/2019	Open	20+ months
AR 630	Rulemaking to Address Templates for Standard Avoided Cost Inputs and Outputs	7/30/2019	Open	20+ months
AR 613	Rules Regarding Community Solar Projects	7/28/2016	Rules adopted 6/29/2017	11 months for rules
UM 1930	Community Solar Program Implementation	1/25/2018	Implementation docket open	54 months total to implement

RPS + In-State = Cost Effective **NewSun** ENERGY



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Donation made



Jake Stephens (center), CEO of NewSun Energy, donates to the Harney County CattleWomen's Scholarship program during the Harney County Fair. Scholarship recipients (L-R) Risa Thompson, Tea Re...



NewSun Energy
&
Harney District Hospital
Specialty Care Clinic

NewSun
ENERGY



STRENGTHEN EXISTING PURPA STATUTE

Fill-in-the-Blank & Invest



Proven: \$1B
of Direct Investment
in Rural Oregon
in just 4 years (2016-20)
Via
PURPA < 10 MW PPAs

Proven, Steel-in-the-Ground, Model

Unleashes Direct Investment in Oregon

Maximizes Achievable Decarbonization

Simple Fixes Needed:
Typical Term Lengths
25 Year Fixed Pricing

Full Economies of Scale:
Std PPAs to 80 MW

Stakeholder/Outreach Process



PRE-BILL-RELEASE & CONCEPTUAL DEVELOPMENT

- 1. Long History of Deep Involvement & Advocacy in Oregon Power Issues:** OPUC, permitting, RFPs, BPA, counties, ODFW, EFSC, IPPs, co-ops – alongside key stakeholders, NIPPC, REC, CREA, AOC, OCEAN, WPTF, POET, RNW, QF community – and working with leadership, staff, others on key policy issues.
- 2. Early, Regular Outreach (6 months) & Education:** Dozens of discussions for six months, many times per week, with full suite of organizations, companies, NGOs, in energy, policy, NGO, enviro, SJ/EJ, IPPs, industry, agencies, Public Power, IOUs, co-ops, legislators (D's and R's), ... Many with repeat meetings, concept development.
- 3. Analytics:** Supporting analysis, studies, w ECONorthwest, E3, etc to quantify benefits and outcomes to support policy decisions
- 4. Incorporation of Feedback & Key Issues:** Inclusion in policy proposals in drafting to final draft. (See Slide 8)

CURRENT & NEXT STEPS

- 1. Deep Dive 1-on-1 Education w/ Reps & Stakeholders:** Numerous meetings in progress, already scheduled, and being set up with a few dozen key parties, Reps & Senators, utilities. 90-120 focused R100 review, full understanding of mechanics, issue-identification, discuss potential solutions.
- 2. Expanded Stakeholder Outreach:** Broadening discussion to additional new stakeholders.
- 3. Small Group Targeted Discussions:** Focused discussions being scheduled with key sub-groups: SJ/EJ, Enviro, IPP, IOUs
- 4. Larger Group Table:** After small group discussions to consolidate key issues and opportunities and solutions with representatives for key groups.

STAKEHOLDERS IN DISCUSSION &/OR SUPPORTERS:

CREA, NIPPC, OCEAN, POET, Renewables Northwest, NVEC, AOC, Eastern Oregon Assoc of Counties, Harney County, Lake County, Crook County, Deschutes County, OPUC, ONDA, EDP Renewables, Obsidian Renewables, OSEIA, SEIA, Verde, O2energy, Invenergy, ORECA, Mid-State Electric, EWEB, PG&E, Idaho Power Co, Northwest Natural Gas, Public Power Council, The Environmental Center, Conservation Alliance, DEPCOM, Southern Current, Tribes, Protect Our Winters, Climate Solutions, OEC, ... [and more underway...]