



EPS New Construction Energy Trust of Oregon 2019



Key points

- How can Energy Trust support new code development, deployment and adoption?
- Energy Trust EPS™ New construction program
- Above code programs relationship to code
- EPS data publication
- Next steps

About Energy Trust

Independent
nonprofit

Serving 1.6 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

Executive Order 17-20

A. Solar Ready Building Construction. The appropriate advisory board(s) and the Department of Business and Consumer Services Building Codes Division (BCD) are directed to conduct code amendment of the state building code to require all newly constructed buildings will be ready for the installation of solar panels and related technologies by October 1, 2020 for residential structures and October 1, 2022 for commercial structures. BCD may establish limited specific exemptions to this solar-ready policy for buildings where solar applications are infeasible.

C. Zero-Energy Ready Homes. The appropriate advisory board(s) and BCD are directed to conduct code amendment of the state building code to require newly constructed residential buildings to achieve at least equivalent performance levels with the 2017 U.S. Department of Energy Zero Energy Ready Standard by October 1, 2023.

EPS New Construction Program

Rater

- HERs or BPI, Energy Trust raters (verifiers)
- Program outreach
- Field data collection

Builder

- Trade allies
- Program requirements
- Construction

Modeling

- REM/Rate v15.7 (evaluating Ekotrope)
- Standard Modeling Protocol
- UDRH/Improved home/Savings

Axis

- Quality assurance
- EPS calculations
- Incentives

Available new construction incentives

- \$623 - \$4,723 cash incentives to help builders move beyond code
- \$300 - \$1,889 verification incentive
- \$250 affordable housing verification incentive
- \$200 solar ready incentive
- Early design assistance/solar design assistance (variable)
- \$3600 max for solar installed |

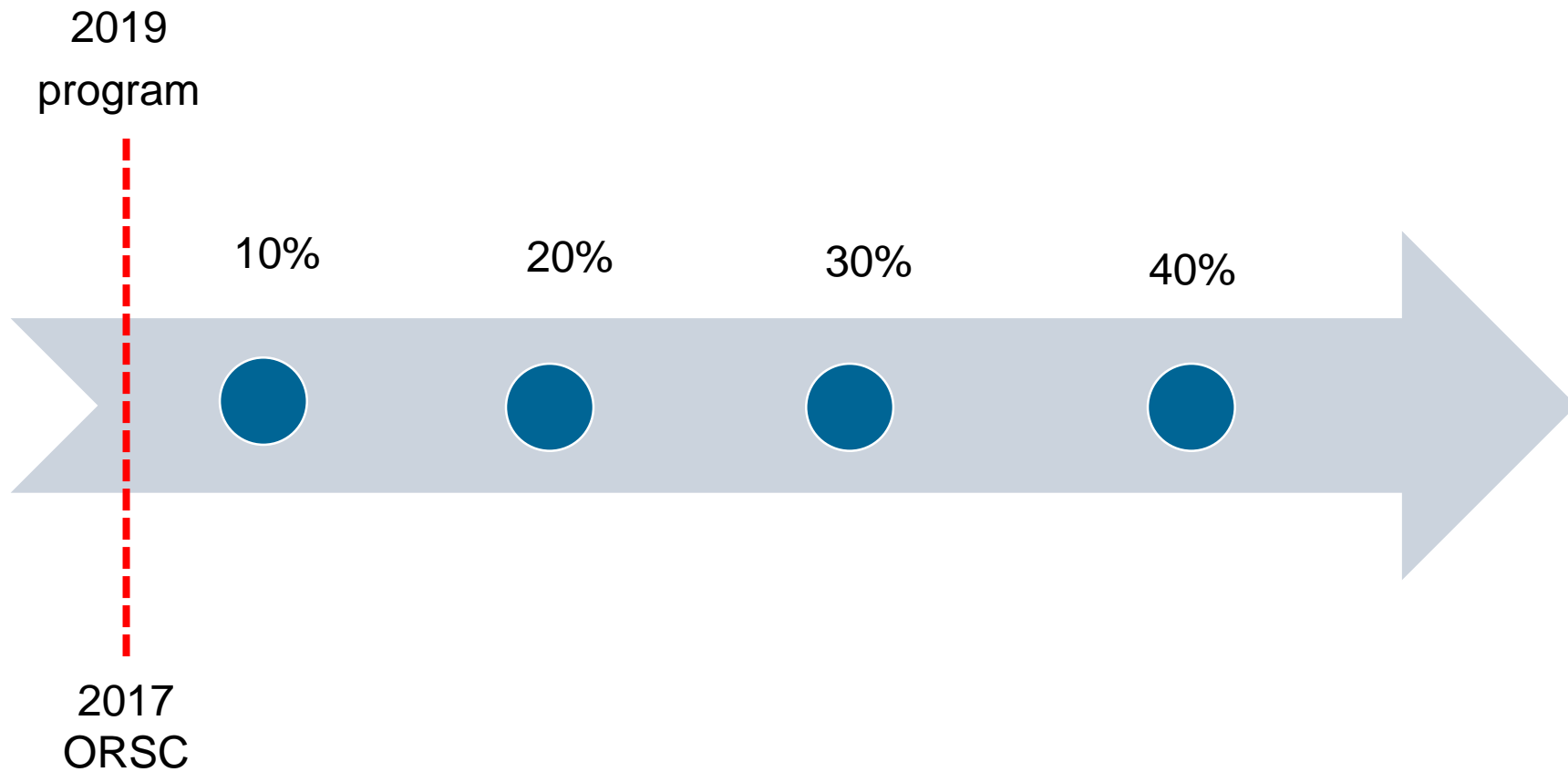
Above code program relationship to code

Energy Trust incentive program

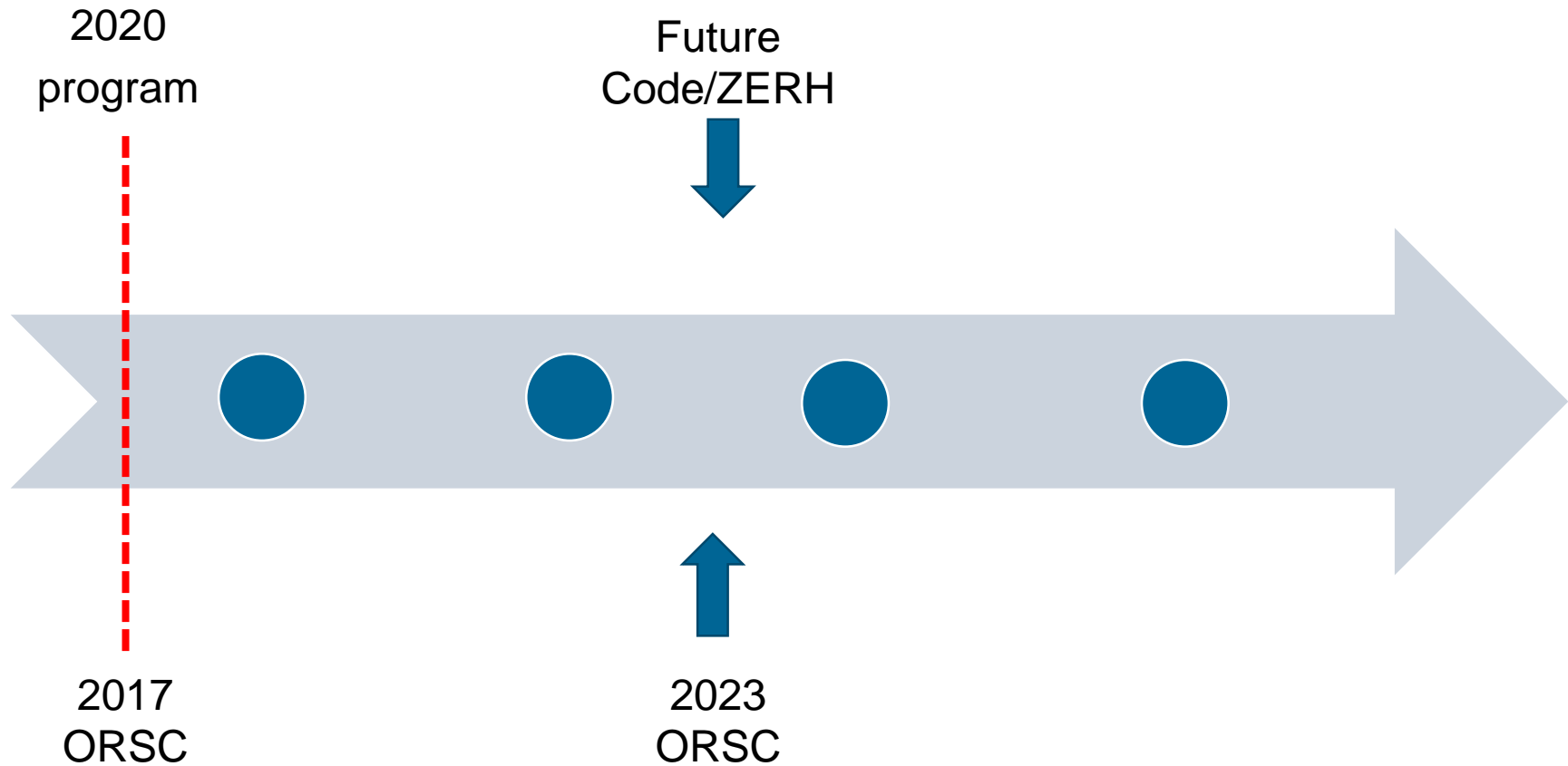


Code baseline

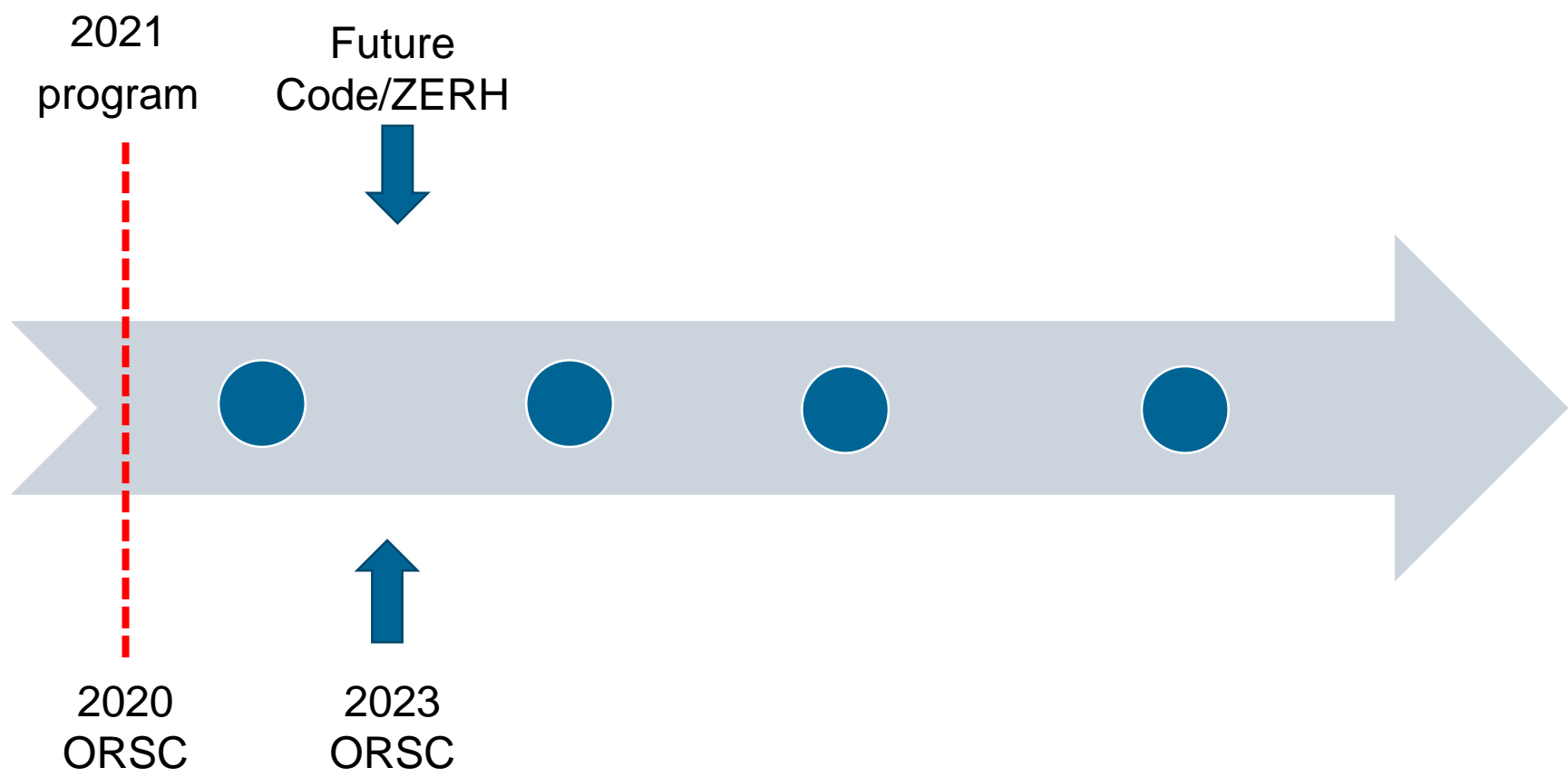
Incentives supporting future code



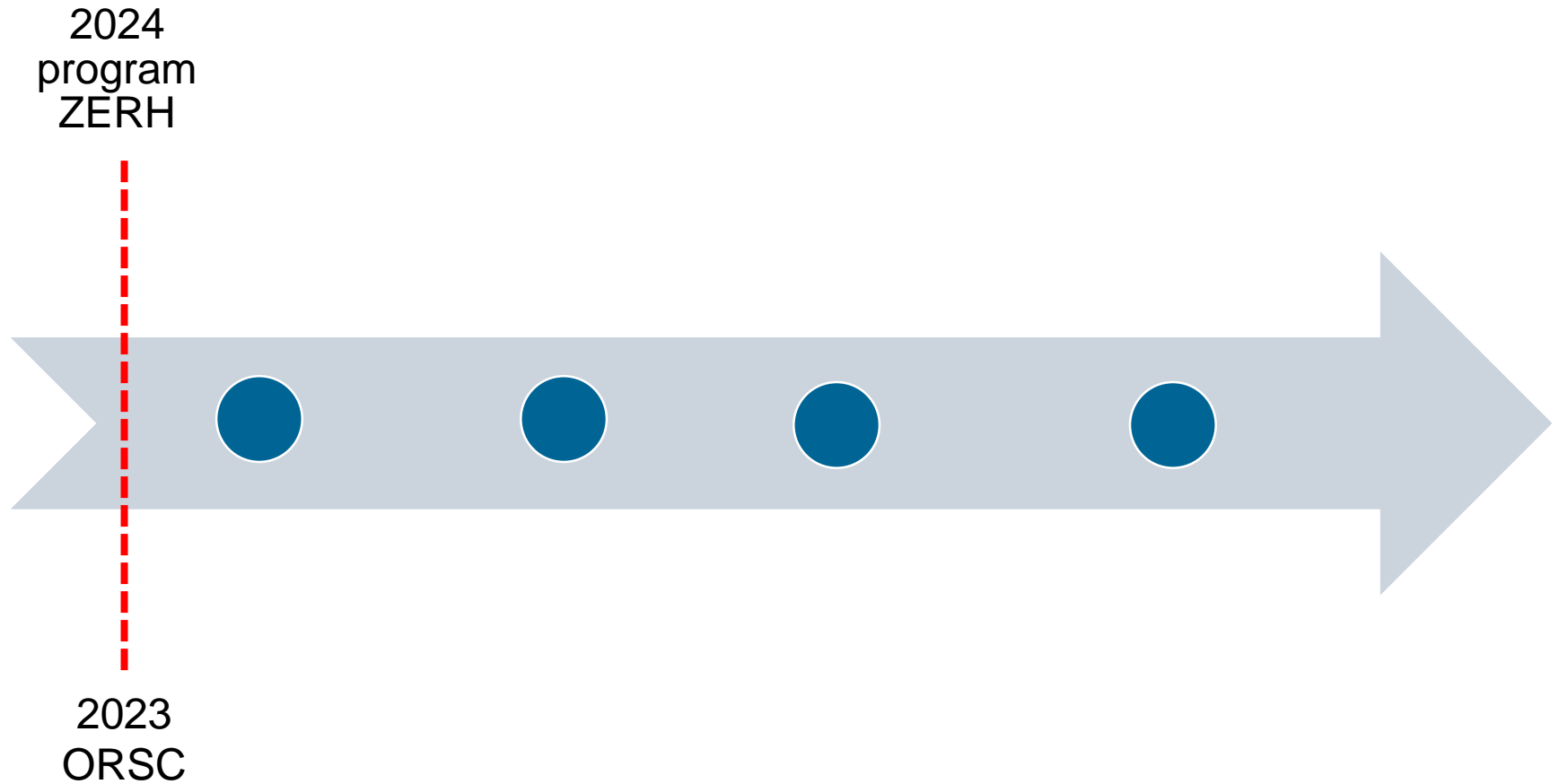
Incentives supporting future code



Incentives supporting future code



Incentives supporting future code



EPS data publication



<https://insider.energytrust.org/eps-new-construction-data/>



Published 2018 Q4



2015-2017 anonymized
data




Annual updates

Next steps

Update EPS data
publication with 2018 (Q2)



Orient EPS pathways to
future code (Q2)



Rescreen EPS cost
effectiveness (Q2)



Implement 2020 program
design (Q1 2020)



Thank you

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