Zero Energy Ready Oregon (ZERO)

A coalition promoting the adoption of zero energy building codes



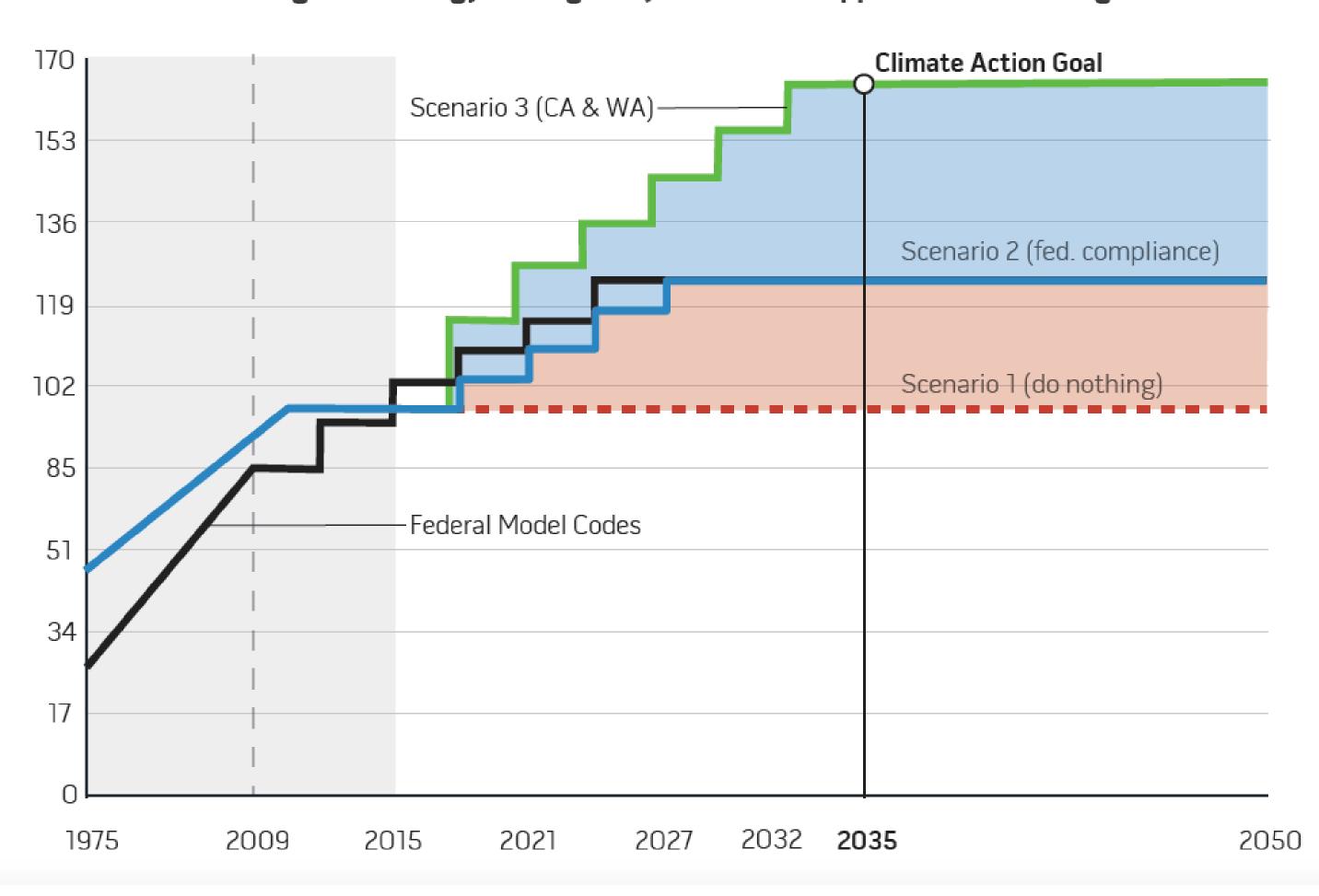






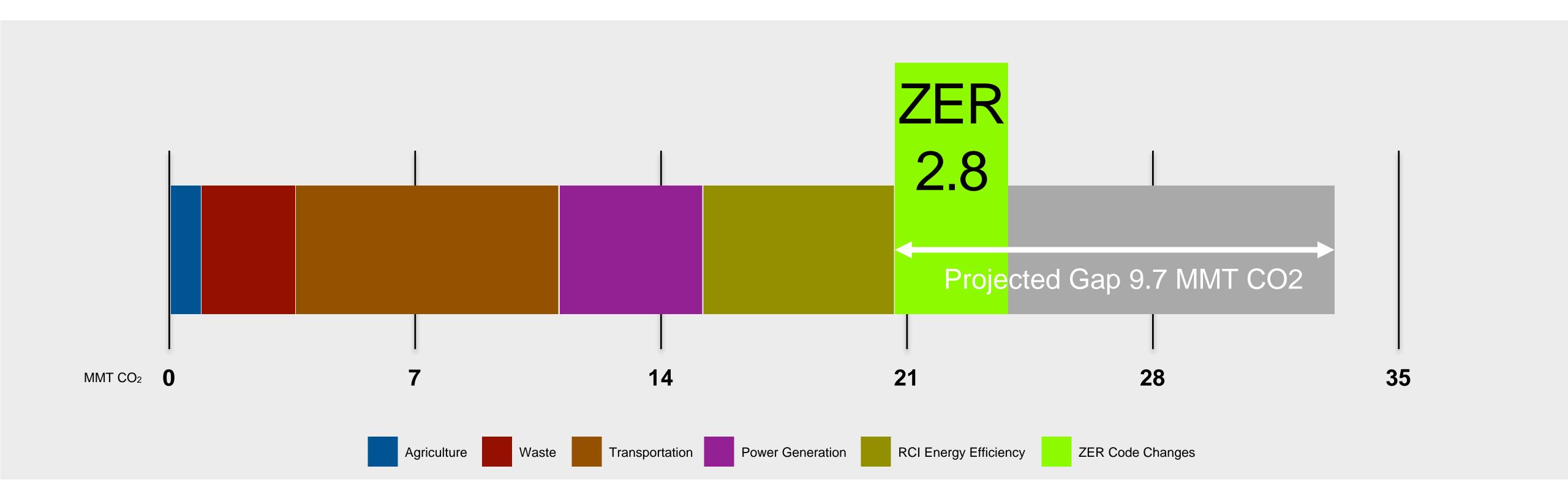


Building Code Energy Savings Projections and Opportunities in Oregon



Zero Energy Buildings & Oregon Climate Imperatives

ZE building codes help address Oregon's emissions reductions gap



Based on 2015 Oregon Global Warming Commission (OGWC) report to the Oregon legislature

Formation of ZERO: Objective

ZERO will work to create the conditions for every newly constructed or significantly renovated home or building in Oregon to be built to zero energy or zero energy ready standards by 2030.

Formation of ZERO: Approach

- Inclusive approach to participation.
- Recognize the benefit of collaboration to create greater impact.
- Proactively recruit diverse voices and perspectives emphasize historically under represented communities.

Formation of ZERO: Definitions

Allows a variety of zero energy and zero energy ready certification standards to co-exist and coalition participate in influencing Oregon's construction industry.

Minimum Threshold Zero Energy Definition

"A home or building in which energy efficiency is maximized, the capacity to meet the building's energy needs with renewable energy sources has been enabled, and site and community based renewables are prioritized."

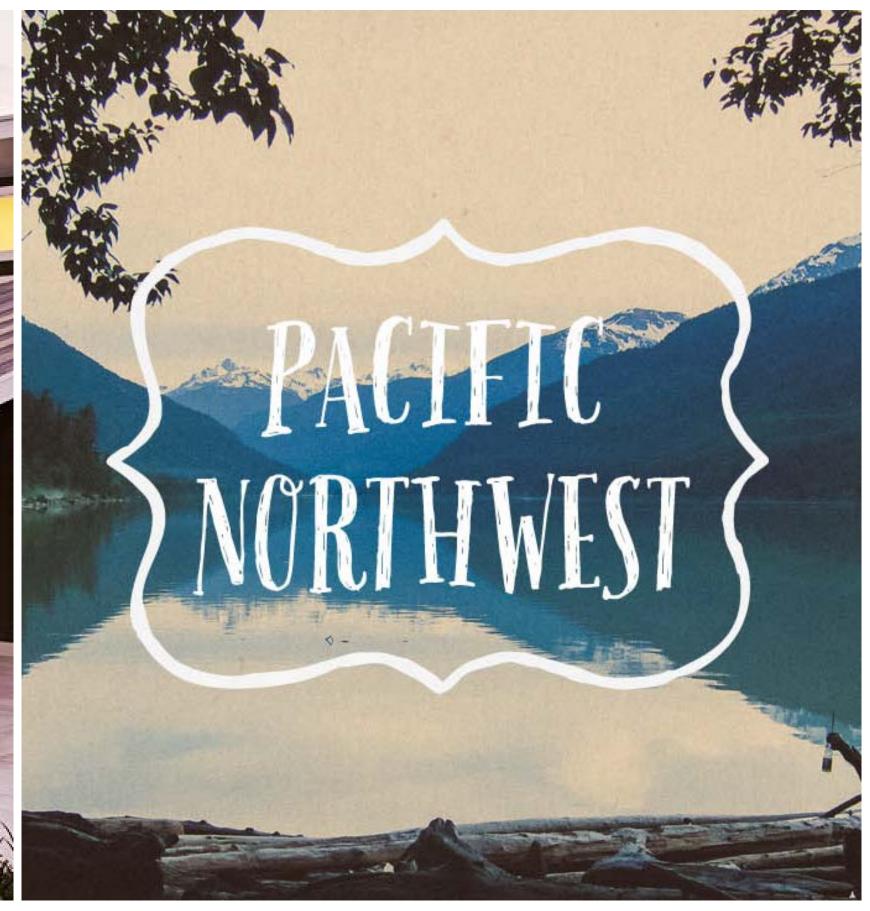
FOCUS of ZERO: High Level Goals

Accelerate the adoption of policies in support of zero energy building practices

Create messaging that simplifies zero energy and instigates action

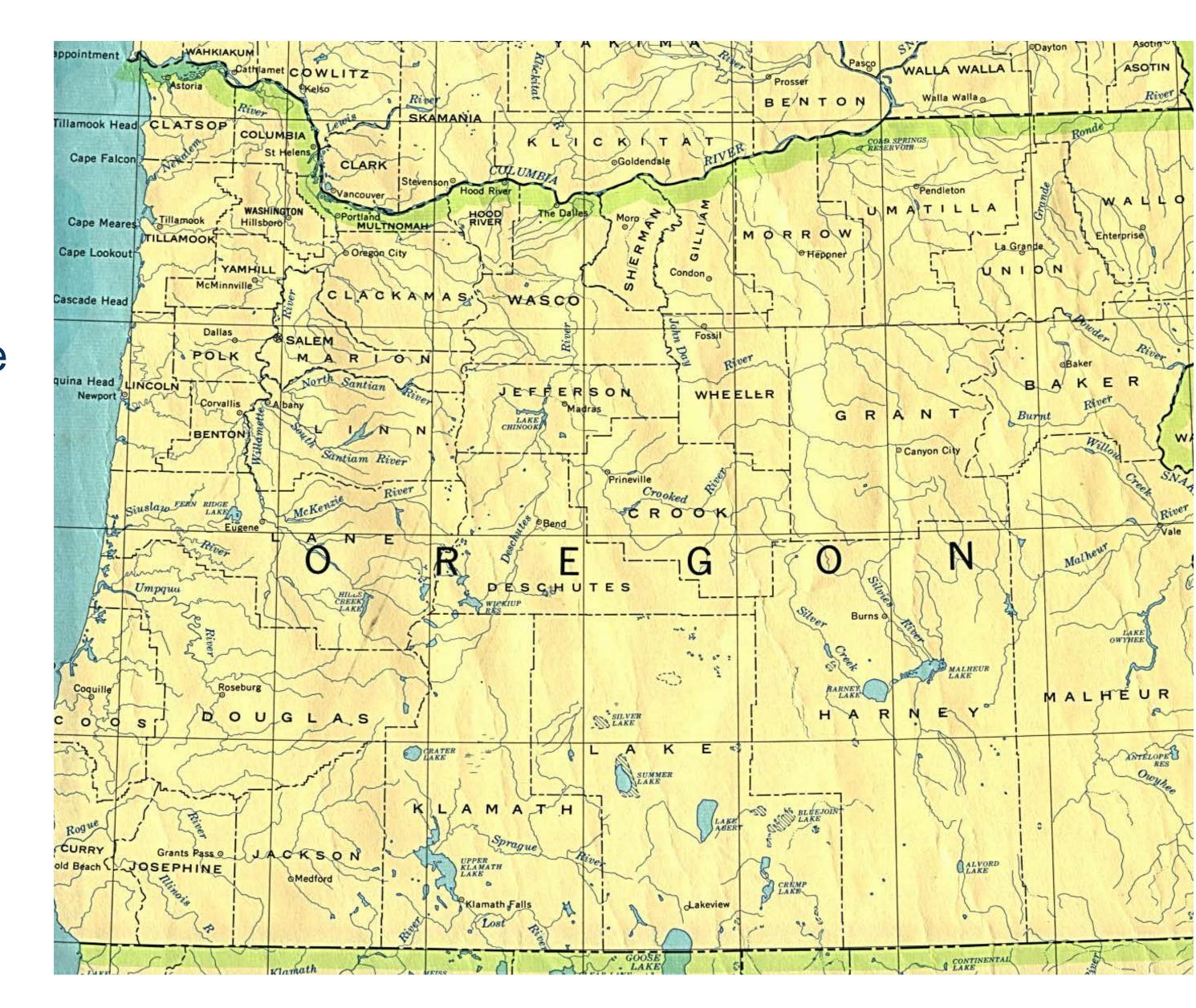
Focus on influencing local public awareness



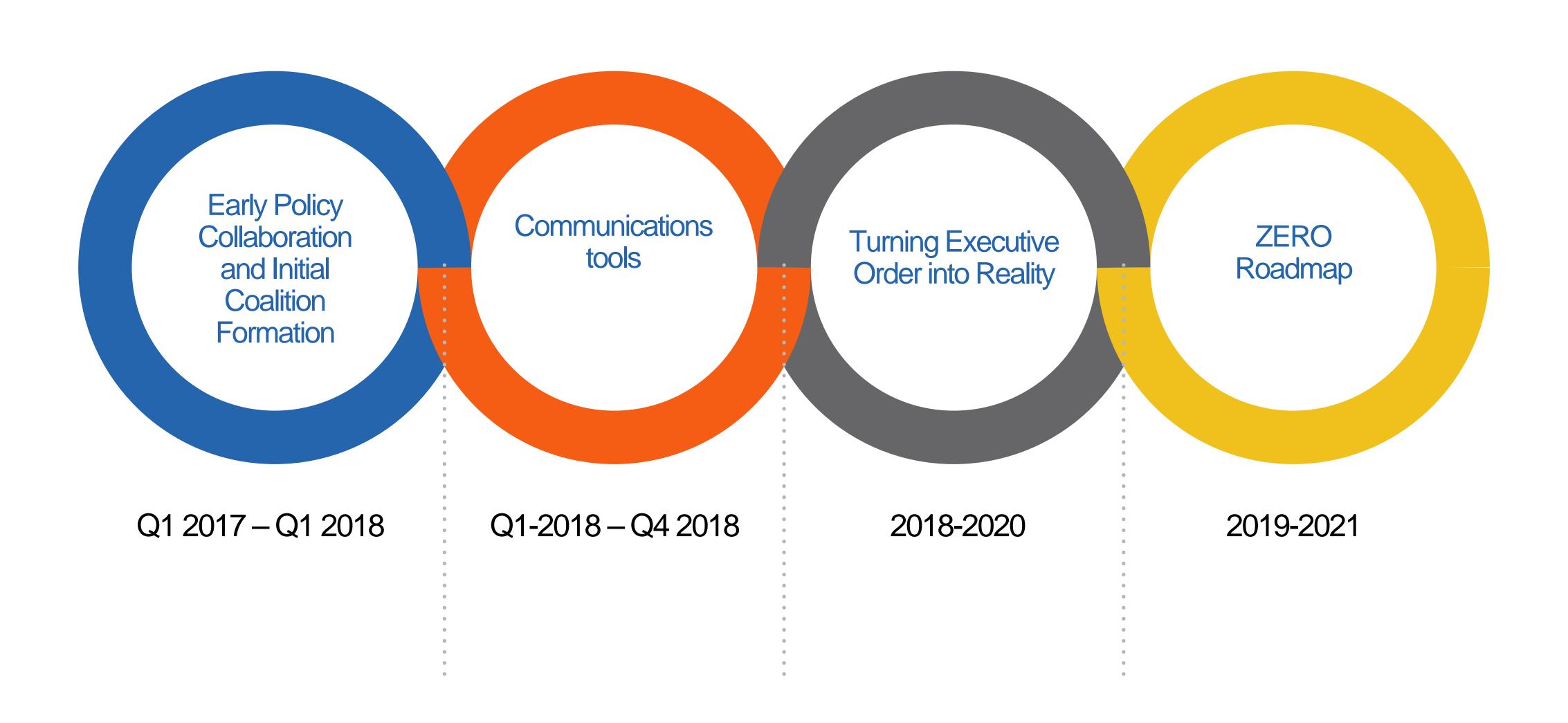


Specific Actions

- Coordinate and inform stakeholders on building code development
- Provide research, data, and analysis to code development participants
- Highlight zero energy market leadership
- Emphasize benefits to affordable housing and residents in underserved markets
- Develop unified messaging & communications



Zero Energy Ready Oregon Timeline



FOCUS of ZERO: Implementation of Executive Order 17-20

- 2018 Commercial Code Proposals
- Residential Code define what US DOE Zero Energy Ready program standard "equivalency" means in Oregon
- Cost Analysis tool
- Support transparent and well-informed code development process
- Promote development of a new REACH code

Office of the Governor State of Oregon



EXECUTIVE ORDER NO. 17-20

ACCELERATING EFFICIENCY IN OREGON'S BUILT ENVIRONMENT TO REDUCE GREENHOUSE GAS EMISSIONS AND ADDRESS CLIMATE CHANGE

WHEREAS, climate change presents a significant threat to our livelihoods, economic security, environment, health, and well-being.

WHEREAS, there has been an increase in extreme weather events, including more frequent and intense heat waves and wildfires. According to the Oregon Climate Change Research Institute and other regional studies, the best available science indicates Oregon is at risk of serious impacts to its natural resources due to climate change.

- Water resources are being affected by decreased winter snowpack, changes to seasonal runoff patterns, decreased precipitation in Eastern Oregon, and increased intensity and occurrence of flooding.
- · Agricultural resources are being affected by increases in temperatures.
- Ocean acidification is increasing and there are changes in ocean currents.
- Significant parts of the Oregon coastal region, stretching 363 miles, will be impacted by an expected rise in sea level up to 1 to 4 feet by 2100, incurring billions of dollars of damages and losses to roadways and structures.
- Climate change impacts threaten the State's agricultural, fishing, timber, recreation, and tourism industries, thereby threatening the livelihood of the State's residents and an important source of Gross State Product for the state.

































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