

Roadmap to 2035

*Joint Task Force on
Resilient Efficient
Buildings*

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AGENDA

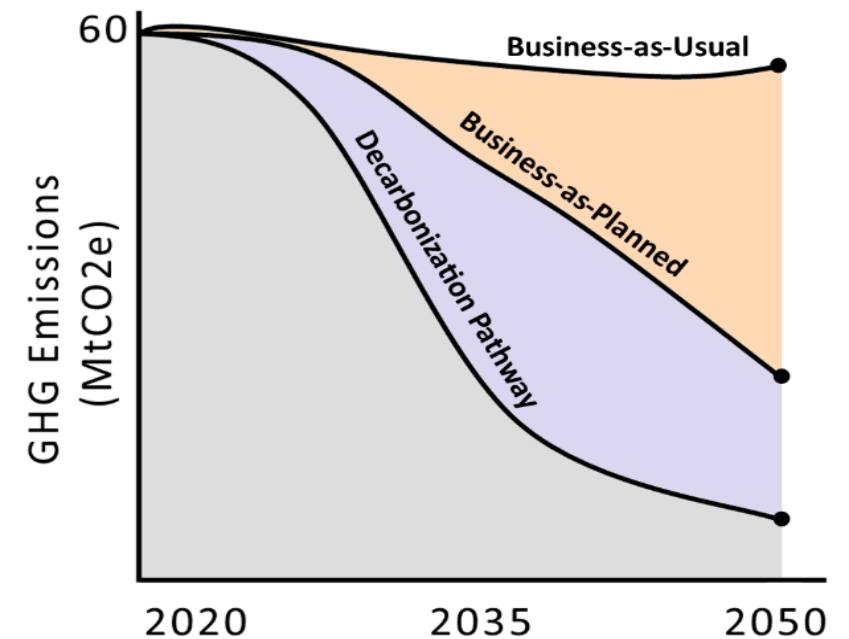
- Purpose and underlying motivation for the Roadmap
- Project Overview
- Outcomes



WHAT IS THE ROADMAP TO 2035?

A plan with recommended actions across all sectors to help achieve Oregon's climate goals for consideration by the Governor and Legislature

- Evaluate additional actions to significantly reduce GHG emissions
- Develop a Roadmap for meeting Oregon's emission reduction & sequestration goals



OGWC & ODOE ROLES



Serves as Steering Committee

- › Overall oversight and guidance
- › Provides input and reviews interim products
- › Approves final Roadmap

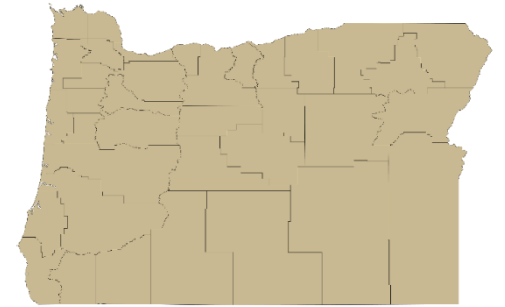


Analysis, support, project management

PROCESS FOR DEVELOPING THE ROADMAP

OGWC and ODOE have been conducting a process known as the TIGHER Project

- Identify new actions to reduce GHG emissions or sequester carbon
- Develop potential decarbonization scenarios
- Analyze costs/savings and GHG reductions
- Analyze potential society benefits and harms
- Gather public input through Stakeholder and Commission Meetings
- Create a new “Roadmap to 2035” with recommendations for the Governor and Legislature



DECARBONIZATION SCENARIOS

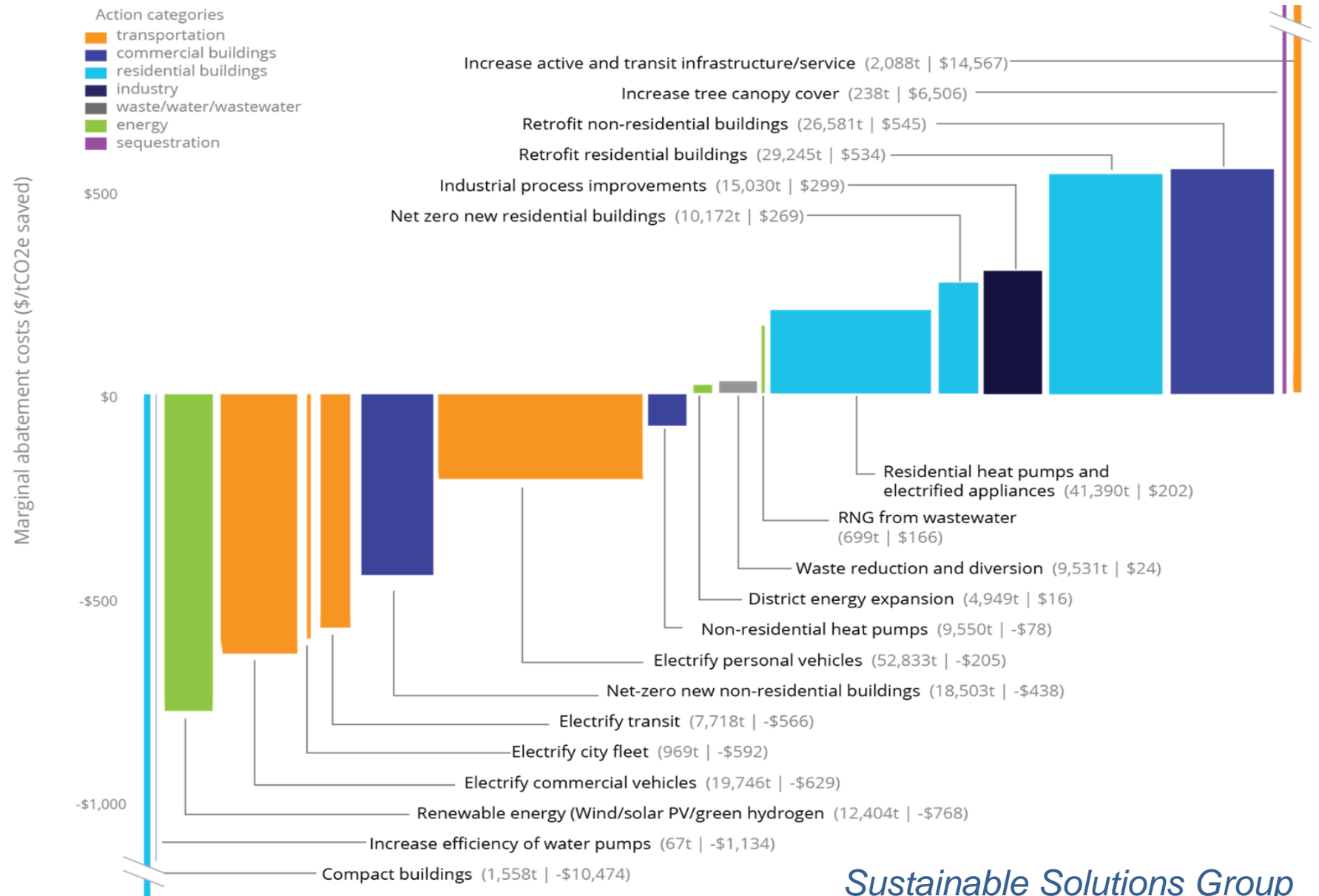
Maximum Electrification	Alternative Fuels	Rapid Transformation
<ul style="list-style-type: none">• Achieves the 2035 goal• More reliance on electrification from renewable energy for heating• Deployment of renewable energy with limited RNG & hydrogen use• Electrification of transportation sector• Electrification of industrial processes with limited clean hydrogen and RNG use	<ul style="list-style-type: none">• Achieves the 2035 goal• More reliance on clean hydrogen and RNG in the natural gas grid for heating• Deployment of clean hydrogen and RNG and less electrification• Clean hydrogen used in light-duty and heavy-duty vehicles• Industrial processes rely more on clean hydrogen, RNG, and other fuels	<ul style="list-style-type: none">• Achieves the goal by 2030• All actions accelerated and expanded• Deep reductions in methane use

DECARBONIZATION SCENARIOS: COMMON THEMES

Natural & Working Lands	Materials	Energy Efficiency	
<ul style="list-style-type: none">• Carbon positive forest management practices• Protection and restoration of carbon sinks• Carbon positive agricultural practices	<ul style="list-style-type: none">• Best practices to reduce embodied carbon in construction materials• Best practices to reduced waste of already expended embodied carbon	<ul style="list-style-type: none">• Deep retrofits in the building stock• Efficiency improvements in the building stock & net zero building standards• Maximum mode shifting (land-use, transit, incentives)	<ul style="list-style-type: none">• New appliance and equipment efficiency standards• Efficiency improvements in industry• Reduced waste generation

EMISSIONS REDUCTION ANALYSIS

MAC Curve:
Analysis of the
net costs &
savings per
metric ton of
CO2e reduced



CO-BENEFITS/CO-HARMS ANALYSIS

Will include:

- Health and quality of life impacts
- Equity impacts on historically and currently underserved populations and communities
- Impacts on economic development and jobs
- Environmental impacts

STAKEHOLDER ENGAGEMENT

- Public meetings (2 events, 95 attendees)
- State agencies (9 agencies, 3-5 rounds of interviews)
- Comments by more than 100 entities (individuals + orgs)
- Focus of 9 Commission + Subcommittee meetings



NEXT STEPS & OUTCOMES

- Completion of analyses (May)
- Public input on co-benefits (May-July)
- OGWC scores and ranks the actions (June-Sept.)
 - ✓ Develop and agree on evaluation criteria
 - ✓ Use financial and co-benefits analyses as inputs
- OGWC creates a new “Roadmap to 2035” (Sept-Jan.)
 - ✓ Recommendations for the Governor and Legislature

More Information

www.keeporegoncool.org/TIGHGER

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Comments:

<https://odoe.powerappsportals.us/en-US/tighger/>

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