

Oregon Global Warming Commission Meeting

January 13, 2023



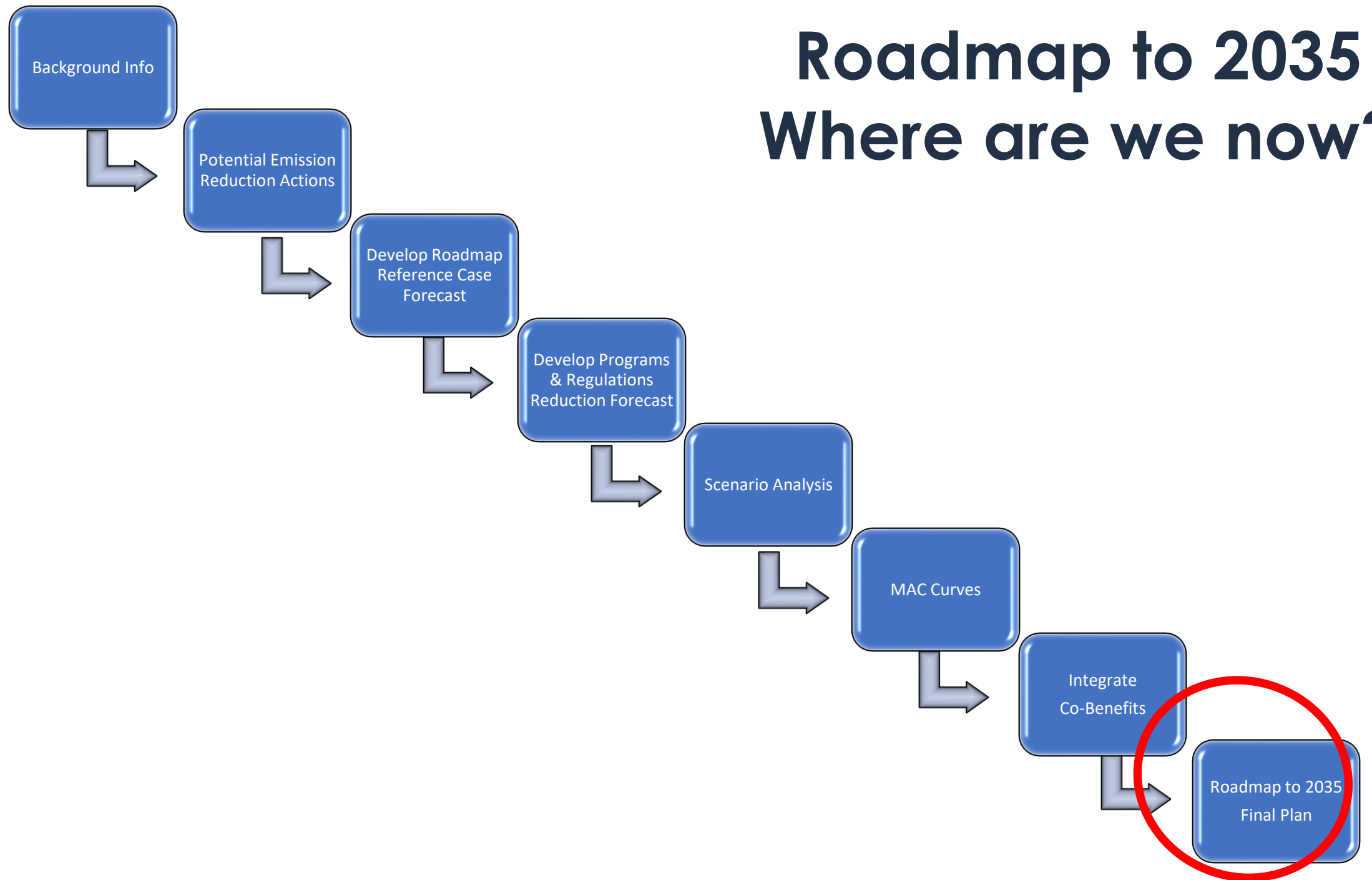
Updates from the Chair

- NWL Workforce Request for Information
 - <https://www.ogwcnaturalandworkinglands.org/tasks>
- OCCRI Sixth Oregon Climate Assessment released January 4
 - <https://blogs.oregonstate.edu/occri/oregon-climate-assessments/>
 - ODOE blog: <https://energyinfo.oregon.gov/blog/2023/1/11/occris-sixth-climate-assessment-outlines-climate-change-effects-on-oregon>
- 2023 Legislative Session
 - SB 522 (GHG Goals and OGWC Reform):
<https://olis.oregonlegislature.gov/liz/2023R1/Measures/Overview/SB522>
 - SB 530 (N&WL):
<https://olis.oregonlegislature.gov/liz/2023R1/Measures/Overview/SB530>
 - ...

Meeting Overview

- Commissioner Updates *(9:00-9:15)*
- Continued discussion of TIGHGER scenarios, action scoring results, and related recommendations *(9:15-10:30)*
- Break *(10:30-10:45)*
- Continued discussion of the other draft Roadmap recommendations *(10:45-12:15)*
- Public Comment *(12:15-12:45)*
- Next Steps *(12:45-1:00)*

Roadmap to 2035 Where are we now?



Roadmap to 2035 Next Steps

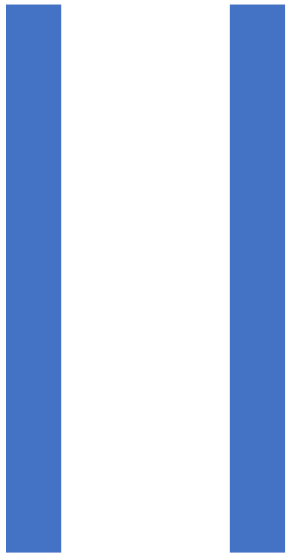
Next Steps	Date
Final written comments due on draft recommendations	January 25
Commission Meeting to finalize recommendations	February 3
Commission Subcommittee final review of report	February 21-24
<i>Roadmap to 2035</i> published and delivered to Legislature	By March 1

Today's Outcomes

1. Input and direction on the draft recommendations related to the TIGHGER actions
2. Additional input and direction on the other recommendations for the Roadmap

Draft Recommendations on Actions

See separate slides



BREAK

Updated Draft Recommendations

Similar Six Overarching Strategies

1. Support continued implementation of existing climate programs and regulations adopted and under development.
2. Adopt updated state greenhouse gas reduction goals consistent with the best available science.
3. Advance a set of additional climate actions that can help the state meet an accelerated greenhouse gas reduction goal of 45 percent below 1990 levels by 2030.
4. Fund future studies to continue to guide climate action over time.
5. Strengthen governance and accountability for Oregon climate action.
6. Position the state to take full advantage of federal investments in climate action.

Original Outline of Draft Recommendations

1. Support implementation of existing policies and programs

2. Update State GHG emission reduction goals

- a) 2035 goal
- b) 2050 goal

3. New climate actions *(to be discussed at December meeting)*

4. Fund future studies

- a) TIGHGER updates and enhancements
- b) Public engagement on equitable implementation
- c) County level data
- d) Consumption-based emissions

5. Strengthen governance and accountability

- a) OGWC resources
- b) Additions to OGWC agency nonvoting members
- c) Agency reporting to OGWC
- d) Dashboard
- e) EO 20-04 general agency directive to prioritize climate actions
- f) EO 20-04 general agency directive prioritize equity

6. Maximize Federal funding

Summary of Changes

- Fully detailed recommendation language
- All prior sub-recommendations kept (appear in normal text in slides that follow)
 - Some sub-recommendations consolidated
- Multiple new sub-recommendations (see **green** language in slides that follow)
- Administrative relettering of sub-recommendations as needed

Recommendation 1: *Existing Programs*

- A. Implement and operate existing climate programs and regulations** as planned and provide adequate staffing and resources.
- B. Support complementary programs, regulations, and investments** that help facilitate, accelerate, or maximize implementation of existing climate programs and regulations.
- C. Ensure equitable implementation** of existing climate programs and regulations.

Recommendation 2: *GHG Goals*

- A. Establish that it is the policy of the state to pursue action at a level and pace that is **consistent with pathways to limit global warming to 1.5°C**.
- B. **Update Oregon's statutory sector-based greenhouse gas emission reduction goals** to reflect the best available science consistent with limiting warming to 1.5°C and align with similarly ambitious state and national goals as follows: at least 45 percent below 1990 levels by 2030; at least 70 percent below 1990 levels by 2040; and at least [90 or 95] percent below 1990 levels by 2050.
 - *Previous 2(a)-2(b) incorporated here*
- C. **Legislatively declare it is the intent of the state to achieve net zero emissions as soon as practicable and no later than 2050**; and direct the OGWC to develop a plan for the state to achieve net zero emissions using the potential to increase carbon sequestration through land sector actions. The net zero goal should be separate from and in addition to the sector-based emission reduction goals above.
- D. **Better enable periodic updates to Oregon's GHG emission reduction goals by directing the OGWC to conduct a periodic evaluation of the goals based on the best available science** and recommend updated goals to the Legislature as needed based on that evaluation.

Recommendation 3: *New Actions*

- A. **Advance all the TIGHGER-analyzed actions** using the OGWC's recommended implementation prioritization as a guide.
- B. **Prioritize further study of a subset** of the recommended TIGHGER-analyzed actions to facilitate timely implementation.
- C. **Resource and conduct more extensive public engagement** – ideally in partnership with community-based organizations – to shape the design and implementation of the TIGHGER-analyzed actions, maximize benefits for environmental justice communities, and inform best practices for future Roadmaps. (*Informed by previous 4b*).

Recommendation 4: *Future Studies*

- A. Provide **funding to the OGWC for a biennial, detailed forecast of emissions** to ensure there is up-to-date data and analysis to assess progress towards meeting the state's GHG emission reduction goals and recommended sequestration goals.
- B. Direct and fund ODOE to develop a **statewide energy strategy**.
 - *Previous 4(b): Public engagement on equitable implementation (Moved to 3C)*
- C. Direct and fund ODOE, in partnership with the OGWC and other state agencies, to develop a robust statewide **natural and working lands (N&WL)** inventory, baseline, and metrics to inform carbon sequestration efforts.
 - *Previous 4(c): County-level data (Incorporated in 3C)*
- D. Direct DEQ to evaluate and report on opportunities to reduce Oregon's **consumption-based emissions**.

Recommendation 5: Governance & Accountability

- A. Provide additional **staffing and resources for the OGWC**.
- B. Expand the statutory list of OGWC ex-officio **non-voting members** to include additional state agencies involved in climate action
- C. Expand the **voting membership** of the OGWC to include a youth representative and a member with experience in environmental justice.
 - *Previous 5(c)-5(f): See 5D-5G below*
- D. Require **agencies to annually report** on their climate work and progress to the OGWC.
- E. Provide funding for the OGWC to create and maintain a state **climate action and emissions dashboard** as part of the OGWC's statutory tracking and education responsibilities.
- F. Require state agencies to **consider and integrate climate mitigation and adaptation in decision-making** and provide adequate resources to build agency capacity to facilitate this process.
- G. Require state agencies to **consider and integrate equity into climate mitigation and adaptation efforts** and provide adequate resources to build agency capacity to facilitate this process.

Recommendation 6: *Federal Funding*

- A. Ensure coordination across state agencies on the pursuit and use of the IJA and IRA funds.**
- B. Support complementary programs, regulations, and investments that increase the likelihood of receiving and maximizing the use of the funds.**
- C. Provide opportunities for public input, engagement, and outreach on the pursuit and use of the funds, particularly for environmental justice communities.**

Recommendation Q&A / Discussion

Recommendation 2: *GHG Goals*

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- D. **Better enable periodic updates to Oregon's GHG emission reduction goals by directing the OGWC to conduct a periodic evaluation of the goals based on the best available science** and recommend updated goals to the Legislature as needed based on that evaluation.

GREENHOUSE GAS REDUCTION GOALS		OREGON EMISSIONS (MMTCO2e)					
SOURCE	TARGET	BASELINE	2030	2035	2040	2045	2050
OGWC Recommendations 2B and 2C	45% below 1990 by 2030; 70% by 2040; 95% by 2050	57	31		17		3
	Net zero by 2050						NZ
ORS 468A.205	75% below 1990 by 2050	57	-	-	-	-	14
Oregon EO 20-04	45% below 1990 by 2035; 80% by 2050	57	-	31	-	-	11
TIGHGER 2030 Scenario Projections	42-43% below 1990 levels by 2030; 56-60% by 2035; 66-69% by 2040; 71-73% by 2050; 76% by 2050	57	33	23-25	18-20	16-17	14
Oregon DEQ CPP Targets	50% below 2017-2019 levels by 2035; 90% by 2050	64	-	32	-	-	6
IPCC 1.5°C Special Report	All GHGs: 40-50% below 2010 by 2030	63	32-38				
	CO ₂ : 45% below 2010 by 2030; net zero by 2050	63	35	-	-	-	NZ
IPCC 6 th Assessment (1.5°C pathways)	All GHGs: 43% below 2019 by 2030; 69% by 2040; 84% by 2050	65	37	-	20	-	10
	CO ₂ : 48% below 2019 levels by 2030; 80% by 2040; (net zero by 2050-2055)	65	34		13		NZ
Federal Goals / U.S. NDC	50% below 2005 by 2030; net zero by 2050	68	34	-	-	-	NZ
Washington	45% below 1990 by 2030; 70% by 2040; 95% by 2050	57	31	-	17	-	3
	Net zero by 2050						NZ
California	48% below 1990 by 2030; 85% by 2045	57	30	-	-	9	
	Net zero by 2045 or as soon as possible; net negative thereafter					NZ	NN

NOTE: See chart in Updated Draft Recommendations Memo for more details and associated footnotes

Sector-Based Goal Options

Option 1: Set Goals for 2030, 2040, & 2050

(Science, TIGHGER Scenarios, and WA goals as guide)

- at least 45% below 1990 levels by 2030;
- at least 70% below 1990 levels by 2040; and
- at least 95% below 1990 levels by 2050.

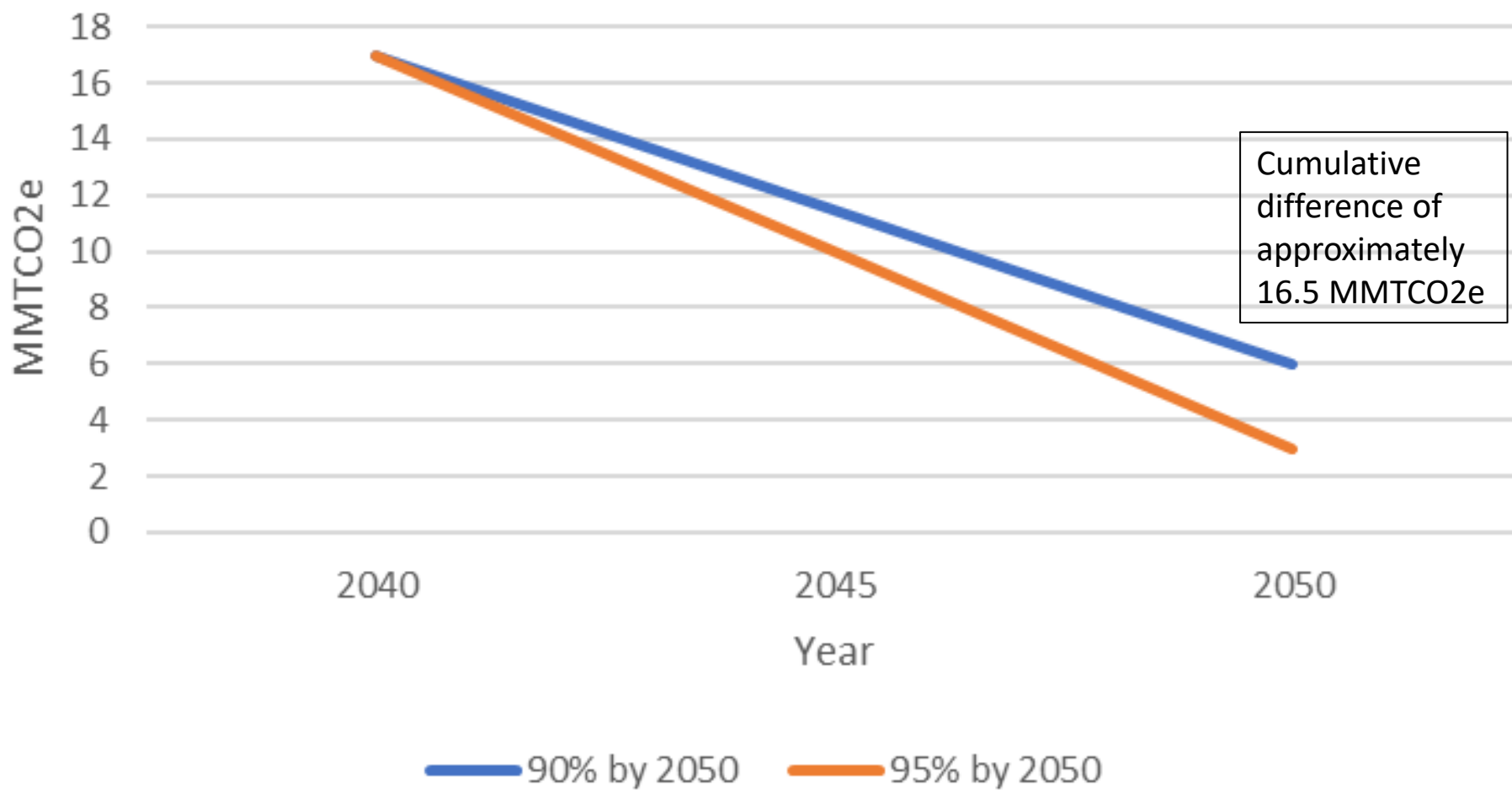
Option 2: Set Goals for 2035 & 2050

(Science, TIGHGER Scenarios, and CPP 2050 as guide)

- at least 60% below 1990 levels by 2035; and
- at least 90% below 1990 levels by 2050.

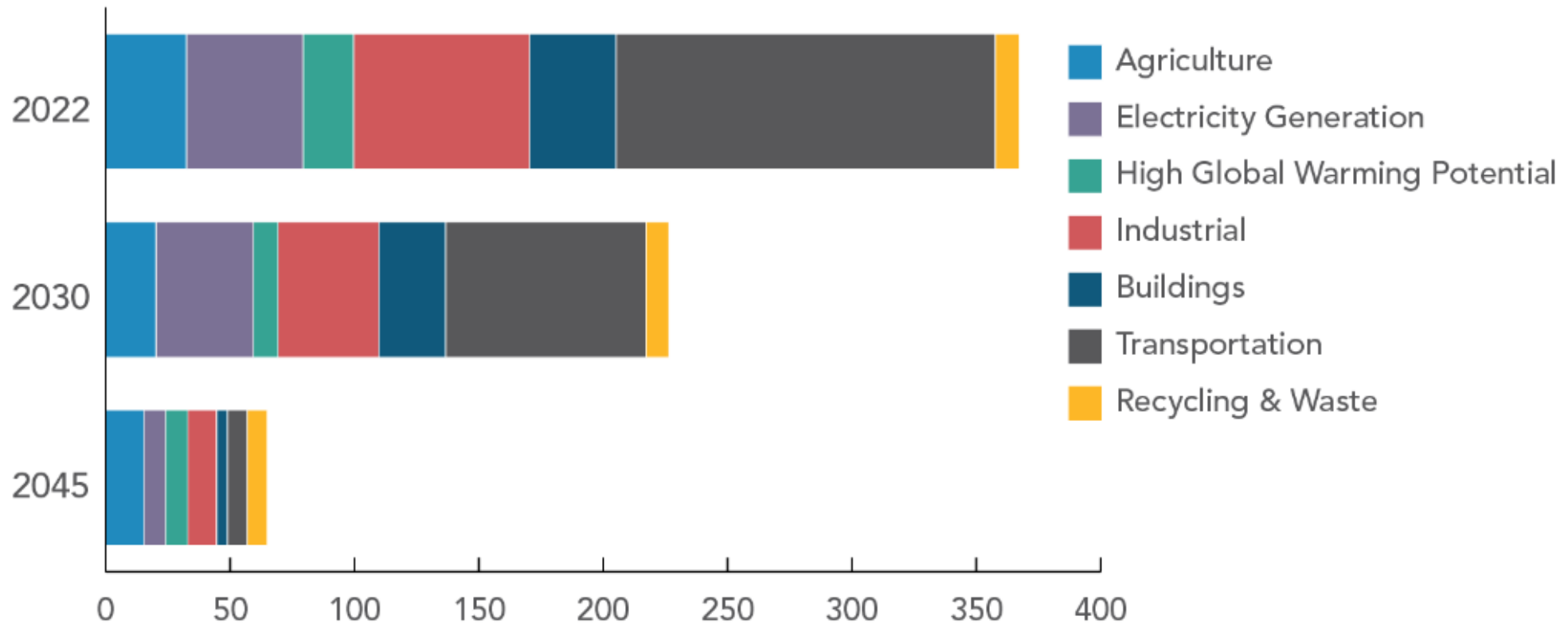
...and many other options

90% vs 95% Goal Trajectory

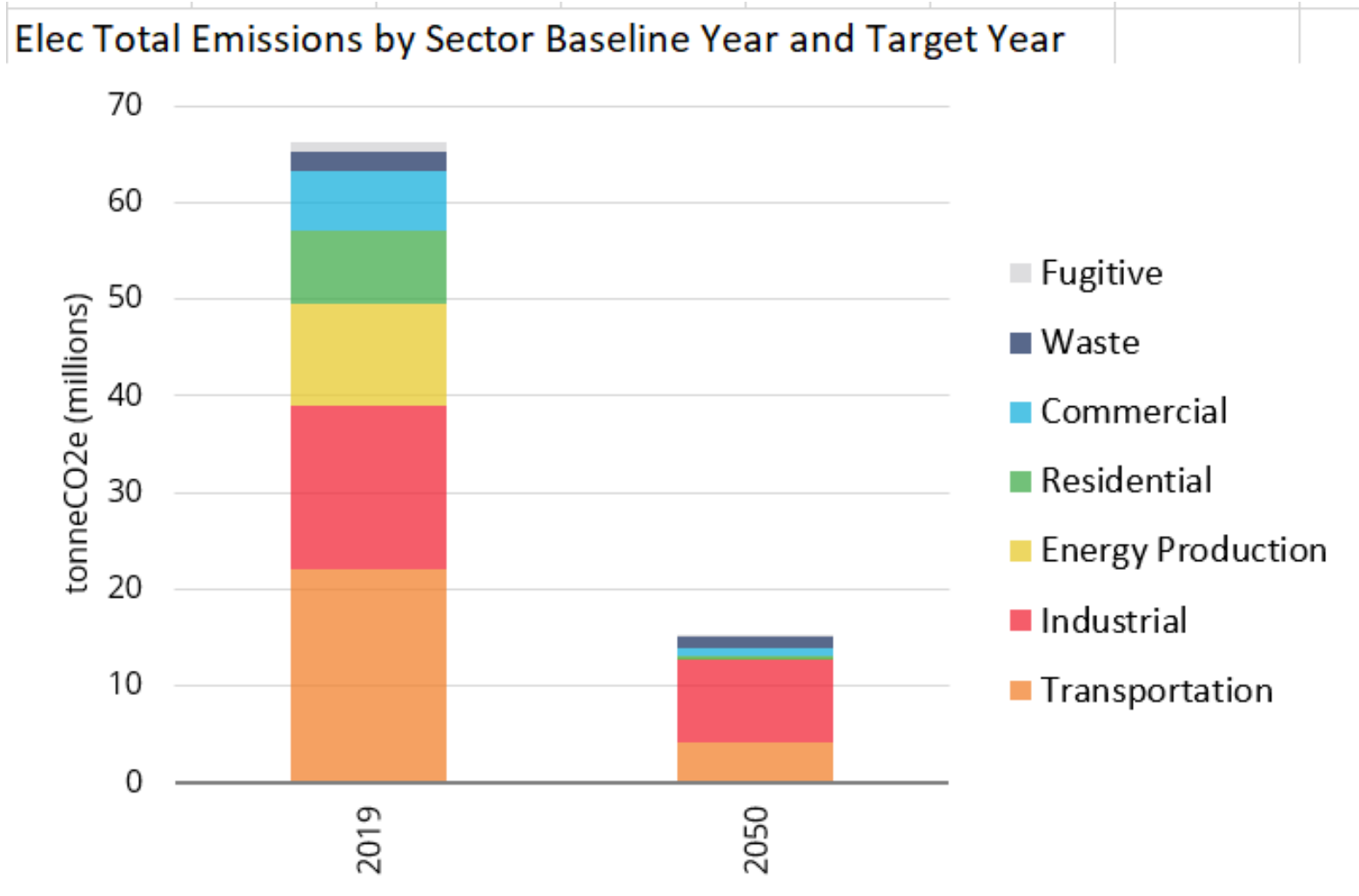


California Scoping Plan – 85% by 2045

82% Drop in GHGs
from Direct Source Reductions



Example of Sector Reductions from TIGHGER



Oregon TIGHGER Dashboard: <https://cis-community.ssg.coop/oregon/emissions>

Roadmap to 2035 Next Steps Reminder

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