

WHAT IS THE ROADMAP?

Goal is to analyze and develop options for actions across all sectors to serve as inputs for consideration by the Governor and Legislature to develop a plan for Oregon to meet its GHG reduction goals.

To Accomplish this, we need to:

1. Understand where we are now in terms of GHG emissions
2. Take stock of progress towards GHG emissions reduction goals
3. Highlight additional opportunities to reduce greenhouse gas emissions

MODEL FEATURES

Dynamic integrated system model:

- Economy-wide assessment of GHG emissions
- **Customized** framework for Oregon built up from **county level data**
- Incorporates all energy supplies and demands
- Tried-and-true model applied to cities, states, and counties over the past 20 years

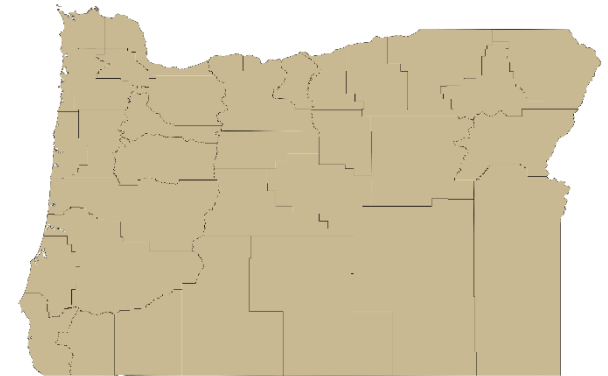
Model developed by consultant *Sustainability Solutions Group*.

MODEL OUTPUT: CO-BENEFITS ANALYSIS

Measurement of additional societal benefits associated with actions inputs

Include:

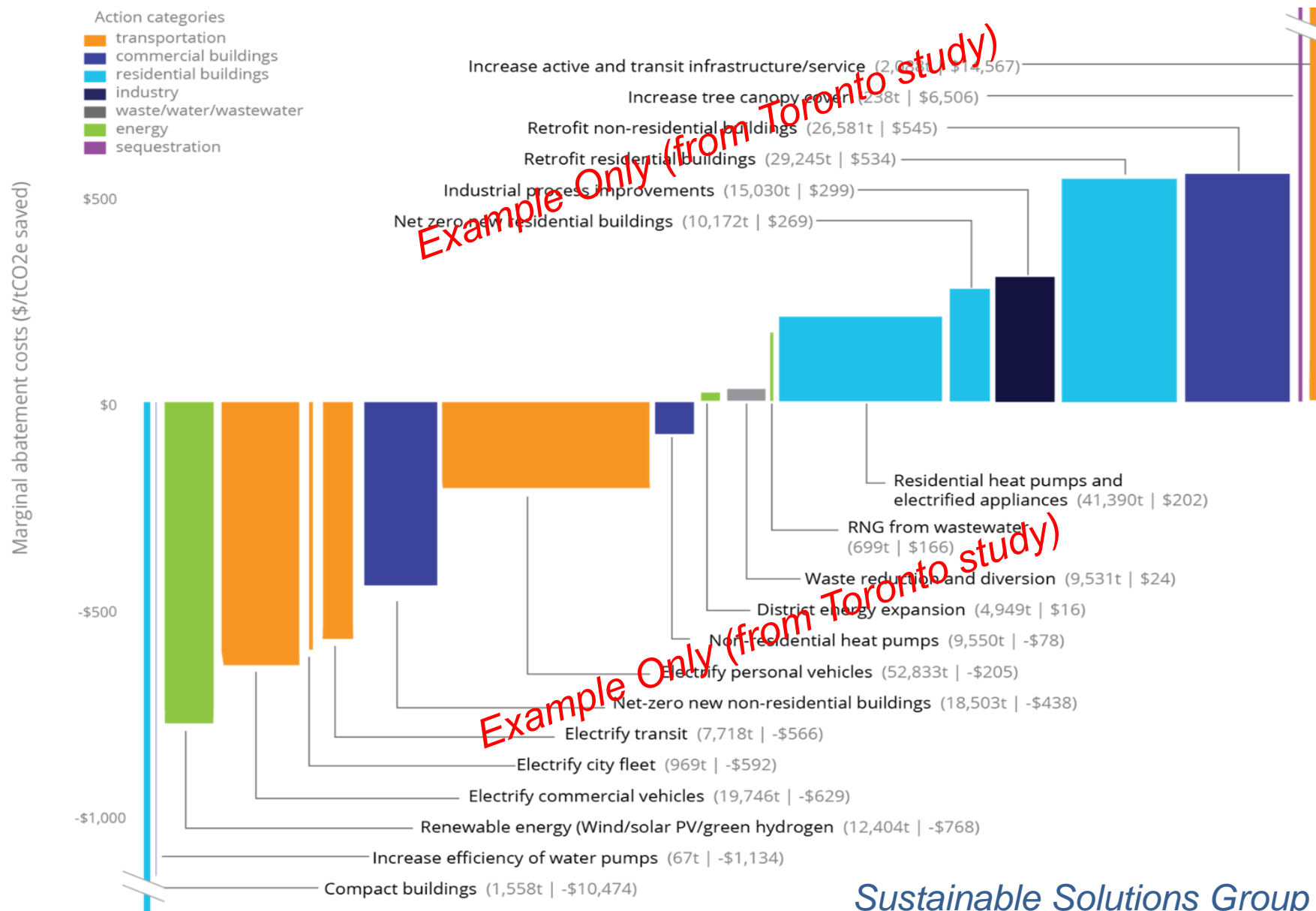
- Health and quality of life impacts
- Equity impacts on historically and currently underserved populations and communities
- Impacts on economic development and jobs
- Environmental impacts



EXAMPLE MODEL OUTPUT: EMISSIONS & COSTS/SAVINGS

MARGINAL ABATEMENT COST Curve:

Information on the net costs & savings per metric ton of CO₂e reduced



Definition of Programs & Regulations Adopted

- **To be an adopted program or regulation action, it must be:**
 - In Rule
 - Funded
 - Legislatively Required
- **For EVs:**
 - Following Expected Market Trends
- **For Energy Efficiency:**
 - Continuation of Existing Programs

Programs & Regulations Adopted

Federal Programs:

- CAFÉ standards

DEQ Programs and Rules:

- Advanced Clean Cars 1 (2009)
- Clean Fuels Standard (2016)
- Advanced Clean Trucks
- Climate Protection Program (CPP)

Other Programs and Rules:

- HB 2021 (100% Clean Electricity)
- Energy Efficiency Appliances
- Manufactured Home Replacement
- Healthy Homes Repair Fund
- Solar + Storage Rebate Program
- Heat Pump Rebate Programs
- Community Renewable Energy Program

Trends:

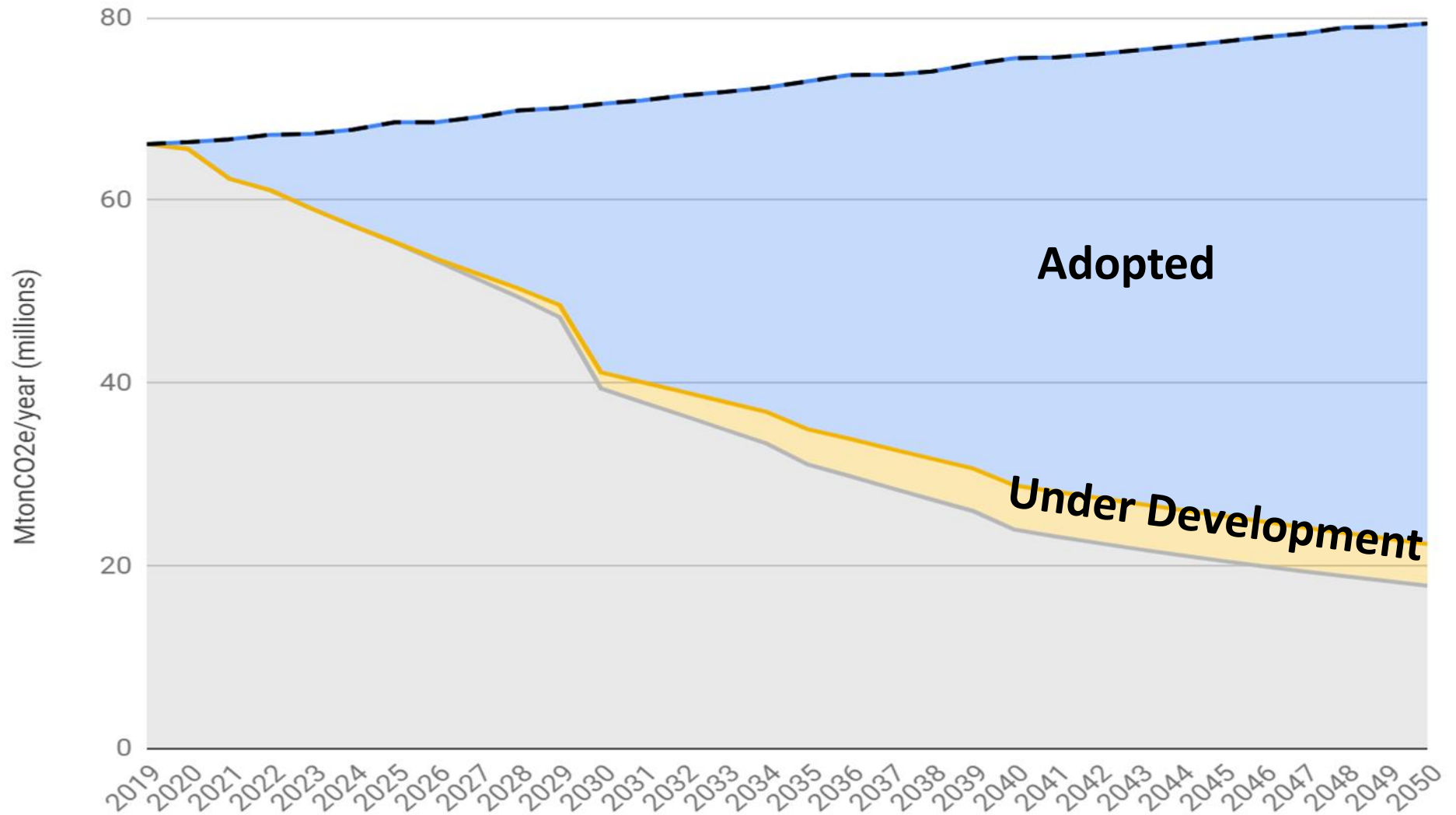
- Increased EVs
- Continued Energy Efficiency Programs

Programs & Regulations Under Development

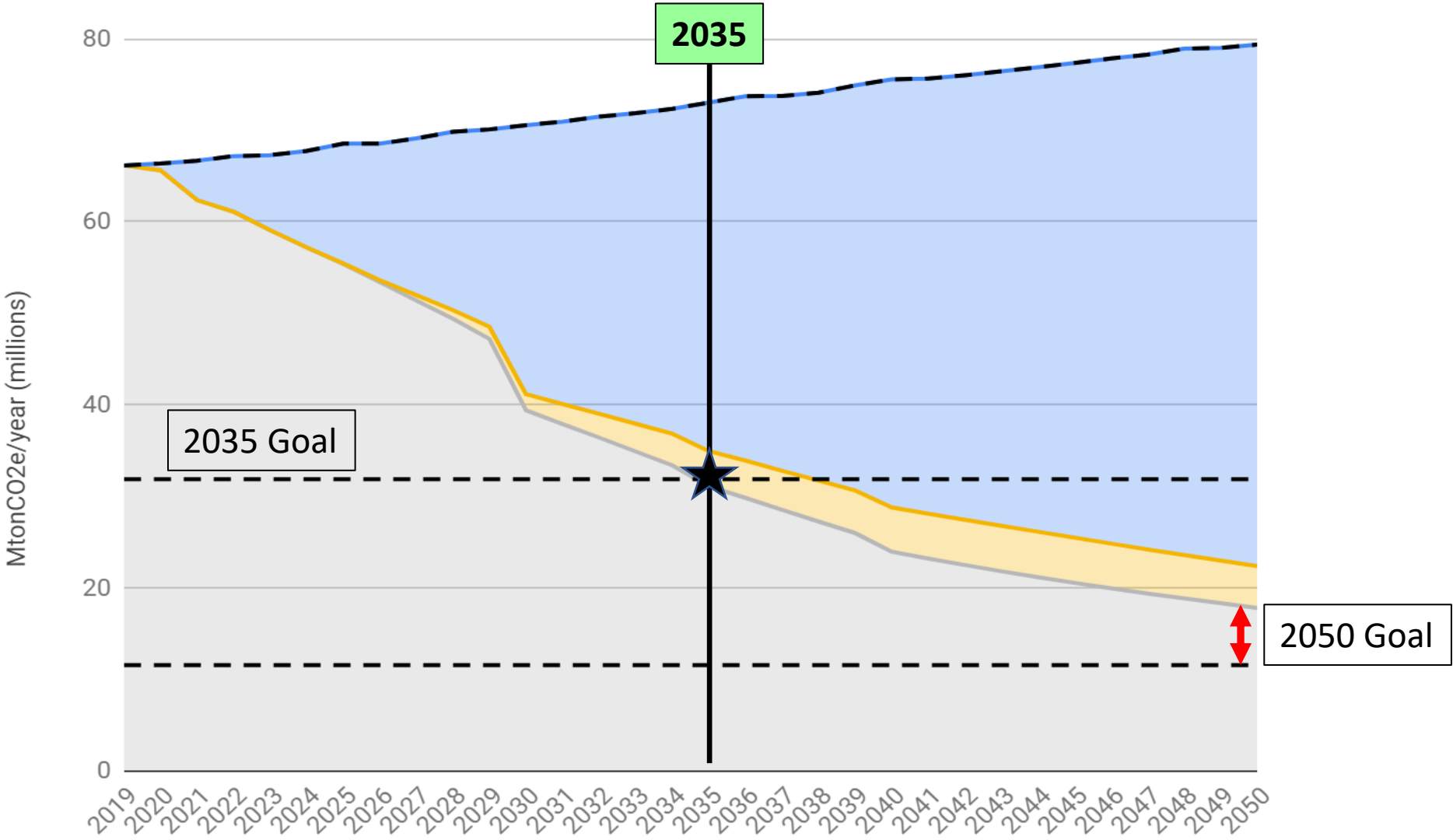
DEQ rulemaking started but not yet complete:

- Advanced Clean Cars 2
- Clean Fuels Standard Expansion

Programs & Regulations Under Development



Existing Programs & Regulations Meet the Goal



Schedule

| Next Steps | Timeframe |
|---|------------------------------------|
| 1. Materials for this meeting will be available for Commission and public review and comment | Now through mid-August |
| 2. Commission meeting on Scenarios, Financial Metrics, and Co-benefits | Early-August |
| 3. Meeting materials will be available for Commission and public review and comment | Through early-September |
| 4. Final Report outline with recommendations available for Commission and public review and comment | In late September or early October |
| 5. Commission meeting to deliberate and finalize the Roadmap to 2035 | In mid-to-late October |
| 6. Commission meeting to address final issues (if needed) | In mid-November |
| 7. Final modeling on recommendations by SSG | By early-December |
| 8. Report wrap-up. | Mid-December |