

2030 GHG Analysis and Climate Implementation Strategy

Transportation Policy Board | November 10, 2022



Puget Sound Regional Council

Today's Briefing



- Reminder of 2030 GHG Analysis and Climate Implementation Strategy work program and current timeline
- Board feedback on range of sensitivity tests to be modeled



2030 GHG Analysis and Climate Implementation Strategy

Overview of Work Program

- Develop a 2030 transportation network and inputs to conduct a 2030 analysis aligned with adopted Four-Part GHG Strategy; and
- Continue to work with partner agencies including PSCAA on implementation strategy for achieving climate goals and monitor progress.

Deadline set for this work by December 31, 2022; work is already underway



2030 GHG Analysis and Climate Implementation Strategy



Deliverables:

- 2030 network and analysis
- Identification of gap to 2030 goal (on-road transportation only)
- Identification of strategies and implementation and monitoring plan towards meeting goal
- Consider in future project selection processes



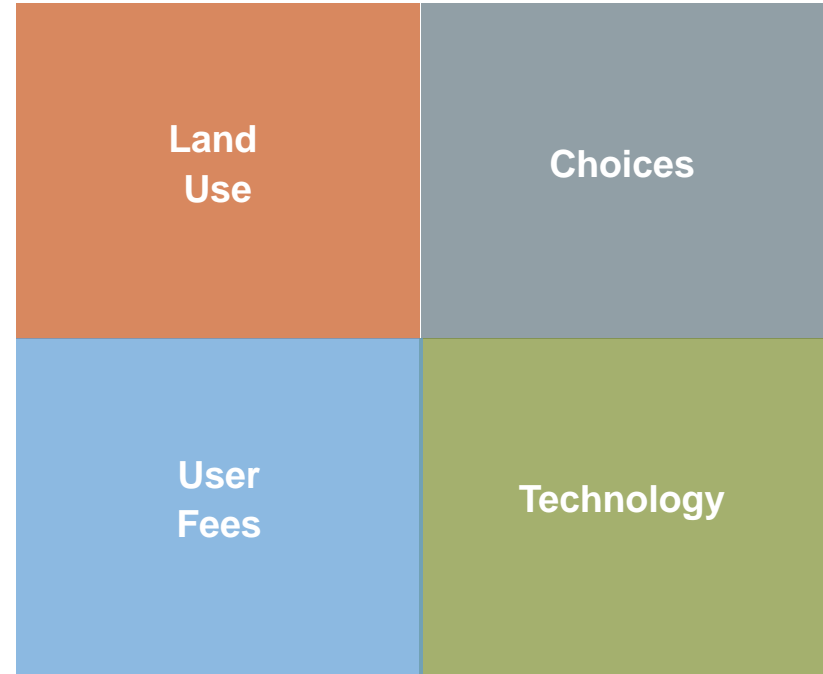
Four-Part Greenhouse Gas Strategy

Land Use: VISION 2050 regional growth strategy

Choices: Expanded and integrated regional transit network, active transportation and other multimodal investments

User Fees: State facility tolls, transition to road usage charge in later years

Technology: Shift to zero emission vehicles, Clean Fuels Standard, etc.



Work Underway

- Transit agencies provided detailed 2030 networks in September
- Modeling and analysis of 2030 transportation network and emissions underway
- Plan is to present 2030 analysis at December Executive Board and Transportation Policy Board meetings
- Sensitivity testing over next few months
 - To address gap to 2030 goal (on-road transportation only)
 - Various aspects / levers of the system and their potential impacts



Potential Sensitivity Tests

Choices

- Transit Service
 - Accelerated network expansion
 - Expanded service levels and enhanced frequencies
 - Improved access to stations
- Road network
 - Changes to roadway capacity projects
- Model various work from home scenarios
- Feedback from Board?



Potential Sensitivity Tests

User
Fees

- Model various Road Usage Charge rate scenarios
- Feedback from Board?



Potential Sensitivity Tests

Technology

- Model various levels of EV implementation
- Feedback from Board?



Next Steps



- Staff work continues over next two months
- Incorporate feedback from Executive Board, Transportation Policy Board and RTP Work Program Steering Committee on Sensitivity Tests
- Executive Board, Transportation Policy Board briefings in December and January



Thank you



Puget Sound Regional Council

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