

Climate Change Briefing

Transportation Policy Board
October 14, 2021



Puget Sound Regional Council

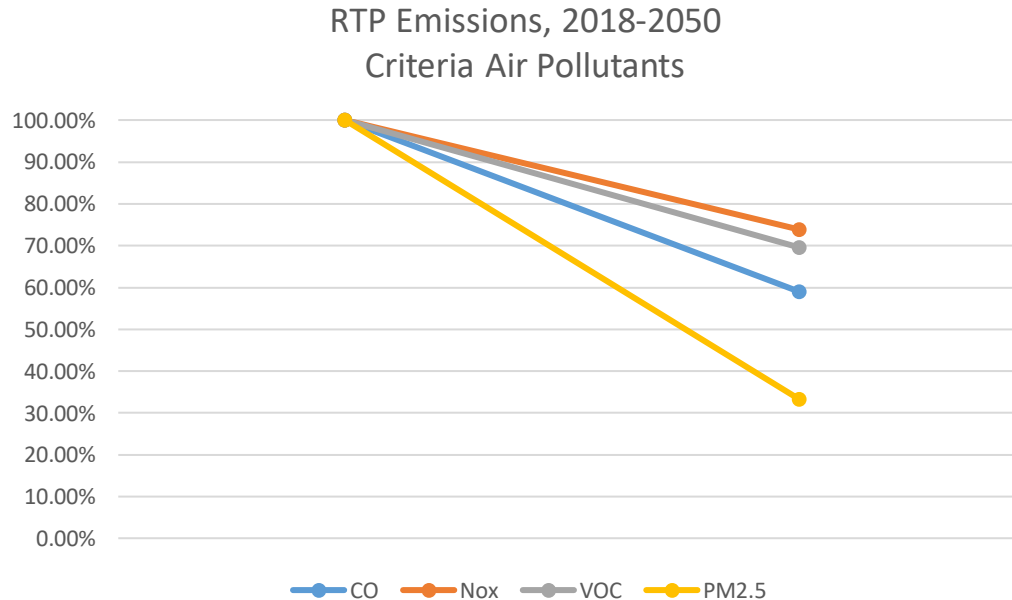
Today's Presentation

- Regional Transportation Plan emissions analysis
 - Including the Four-Part Greenhouse Gas Strategy
- Overall climate change work program and current activities
 - Partnership project on regional greenhouse gas emissions inventory, climate wedge analyses
 - PSRC / PSCAA Regional Electric Vehicle Collaboration
 - Puget Sound Climate Preparedness Collaborative



RTP Emissions Analysis

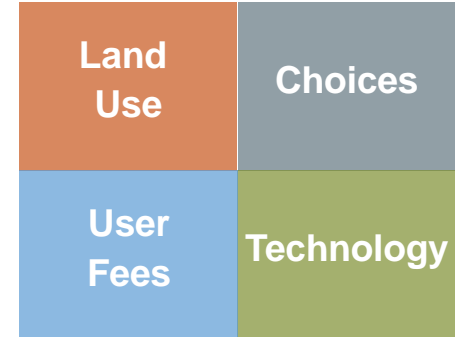
- There is a continued downward trend in emissions out to 2050, for criteria air pollutants:



Four-Part Greenhouse Gas Strategy

- Opportunity for emission reductions from four categories:
 - **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:** tremendous opportunity with recent and planned actions related to zero emission vehicles, Clean Fuels Standard, etc.

2022-2050
REGIONAL TRANSPORTATION PLAN

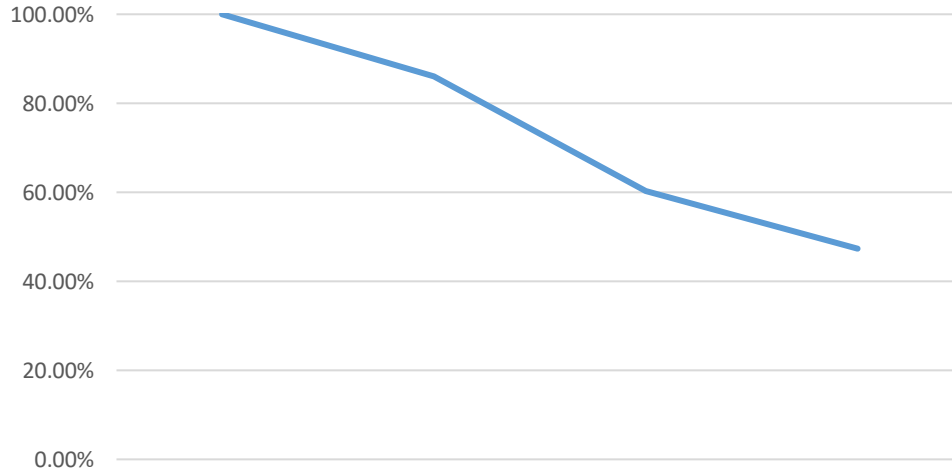


Four-Part Greenhouse Gas Strategy

- GHG emissions reduction potential:

2022-2050
REGIONAL TRANSPORTATION PLAN

RTP GHG Analysis



Reflecting:

- Investments in RTP
- VISION 2050 growth strategy
- User fee assumptions and potential
- Varying levels of zero emission vehicles and other actions
 - Clean Car Standard, Clean Fuels Standard, etc.



Puget Sound Regional Emissions Analysis Project

- Seven regional partner agencies
- Comprehensive update of regional greenhouse gas emissions
- Identification of pathways for achieving equitable emission reductions
- Summer 2021 through December 2022
- *Advances the work behind the Four-Part Greenhouse Strategy and the action called for in VISION 2050 to address emissions from all sectors (aka a “climate wedge analysis”)*



Puget Sound Regional Emissions Analysis Project

- Mix of traditional and innovative elements:
 - Geographic inventory of emissions in all four counties – based on emissions that occur within an area
 - Consumption based inventory for all four counties – includes emissions from the production, transport, use and disposal of goods, food and services consumed within an area
 - Wedge analyses – identifies scenarios and pathways for reducing emissions across all sectors of the region
- Focus on social equity, in process and outcomes



Regional EV Collaboration

- Begun in partnership with Puget Sound Clean Air Agency, City of Seattle, City of Tacoma in 2019
- Goal = advancement of electric vehicles throughout the region, provide support to local jurisdictions
- Hosted four forums to date
 - Overview of EV landscape and current activities
 - Survey of needs and priorities – policies, strategies, support
 - Examples from local agencies, utilities, other practitioners
 - Funding programs, state activities



Regional EV Collaboration

- Working towards:
 - Clearinghouse of data and best practices
 - Coordination with Department of Commerce work under HB1287
 - Mapping and forecasting tool, in particular
 - Future work = Regional EV / Zero Emissions Plan



Puget Sound Climate Preparedness Collaborative

- Multi-agency partnership to advance resilience and climate preparedness
- Begun in 2014 with seven agencies, now grown to over 20 organizations
 - *Pilot community / partnership with National Academies of Sciences, Engineering and Medicine under the Resilient America Roundtable Program (2016-2018)*
- Forum for peer learning, partnership opportunities
 - Hosted workshops, webinars on various topics
 - Website with resources, case studies



Puget Sound Climate Preparedness Collaborative

- Supporting development of guidance for local comprehensive plan updates
 - *Advancing VISION 2050 action item*
- Additional resilience work related to the Regional Transportation Plan:
 - Ongoing research and analysis
 - Development of a regional hazards web map

