RTP Dashboard

Executive Board

October 27, 2022

Outline

Topics covered today include:

- Site layout
- Initial Metrics
  - Geography
  - Update Frequency
  - Comparison/Benchmark
  - Topics
- Schedule

The RTP Dashboard will be a living document that will grow and evolve based on input from the Board. What we build today will be flexible and able to adapt as the needs of the users change over time.
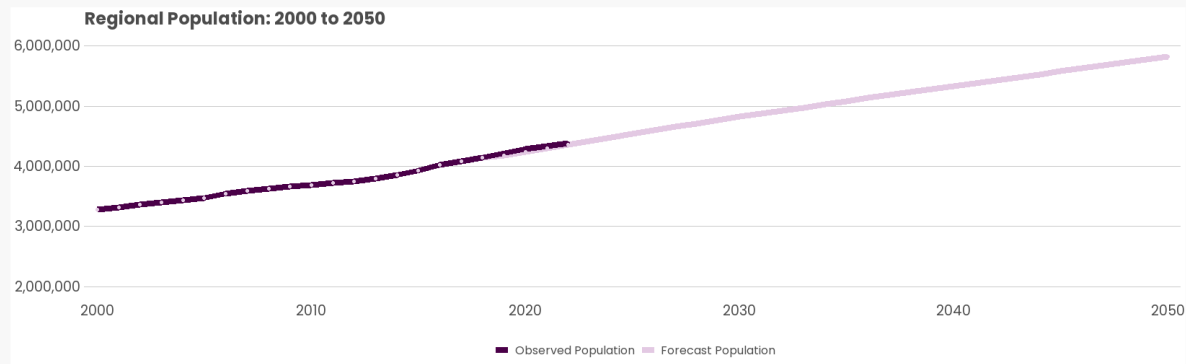
Site Layout

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We envision a site where people can access the data but have the context of what is happening, what the region is working on and how we are working to bend the trend.

Vs.

We are proposing a site built directly into the PSRC Website

- Takes advantage of the accessibility improvements in the latest PSRC website.

- Intended to have the same look and feel as the Equity Tracker which has had extensive input from the Equity Advisory Committee(expected spring 2023)

- Keeps the brand consistent.

- Ensures that people within the website have easy access to the data.

This work will require some tweaks to website templates from our web-developer that are on-track for later this fall
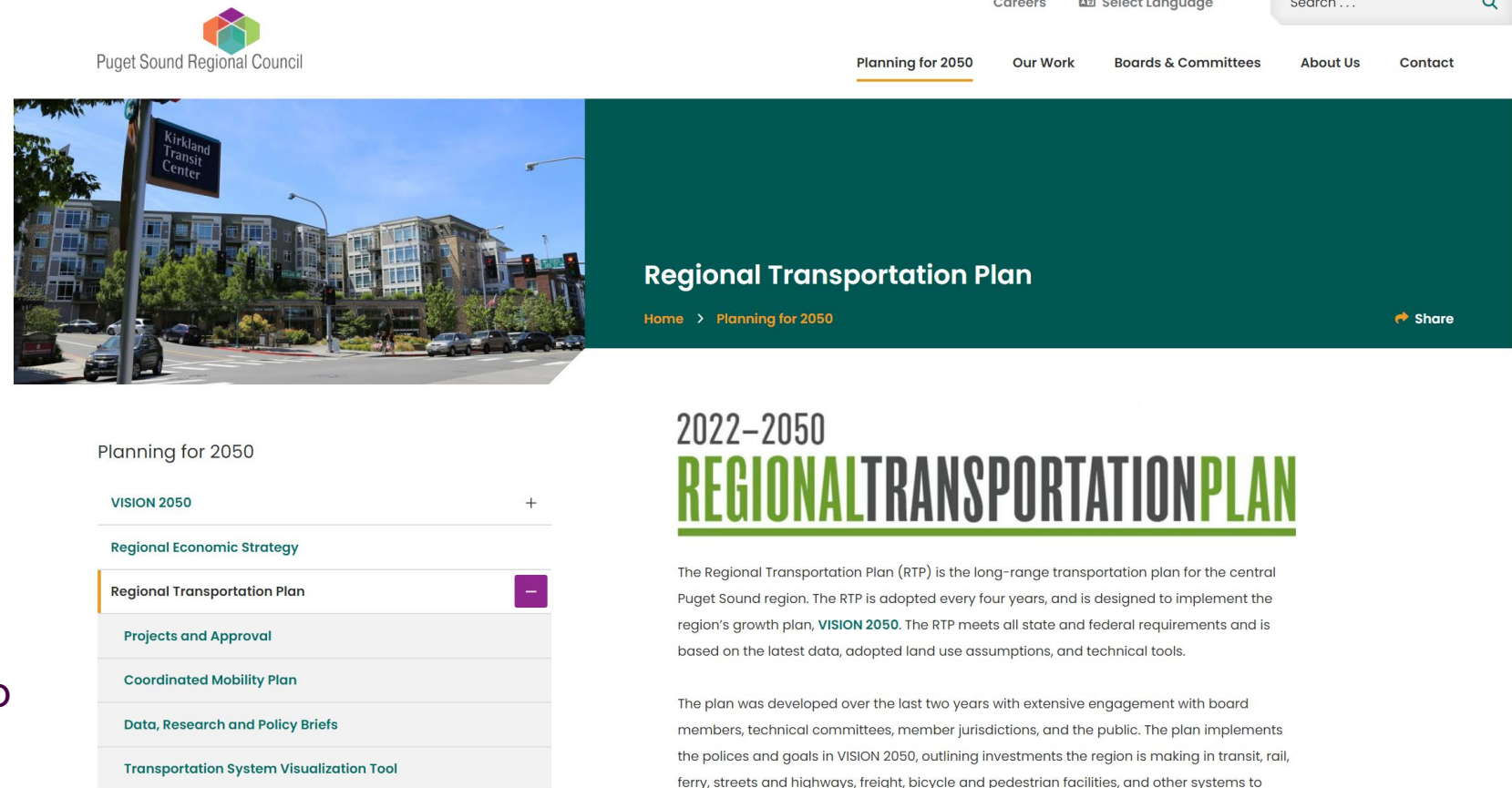
The dashboard will have a landing page

- Other data products are using an icon-based land page.
- Icons will lead to a page specific to that topic
- We are working to ensure the navigation is as straightforward as possible and considers accessibility for visually-impaired users.

Search Data Catalog

Census & Demographics

Economy

Equity

Forecasts & Projections

GIS & Maps

Housing

Land Use

Transportation

Data Catalog A to Z

Initial Metrics

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We are proposing three levels of Geographic Comparison

- Region
- County/Operator/Mode
- Regional Comparisons (where appropriate)
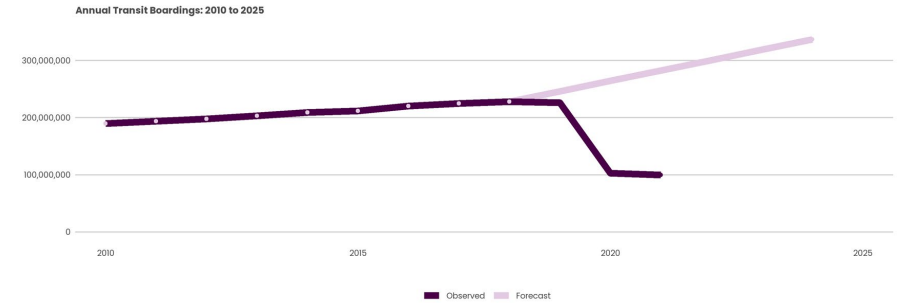
Annual Transit Boardings: 2010 to 2025

Source: National Transit Database & PSRC 2022–2050 RTP

Year to Date Transit Boardings

Source: National Transit Database July 2022 Raw Release

Ratio of 2022 Transit Ridership to Pre-Pandemic Levels by MPO

Source: National Transit Database July 2022 Raw Release

REGIONAL TRANSPORTATION PLAN 2022–2050
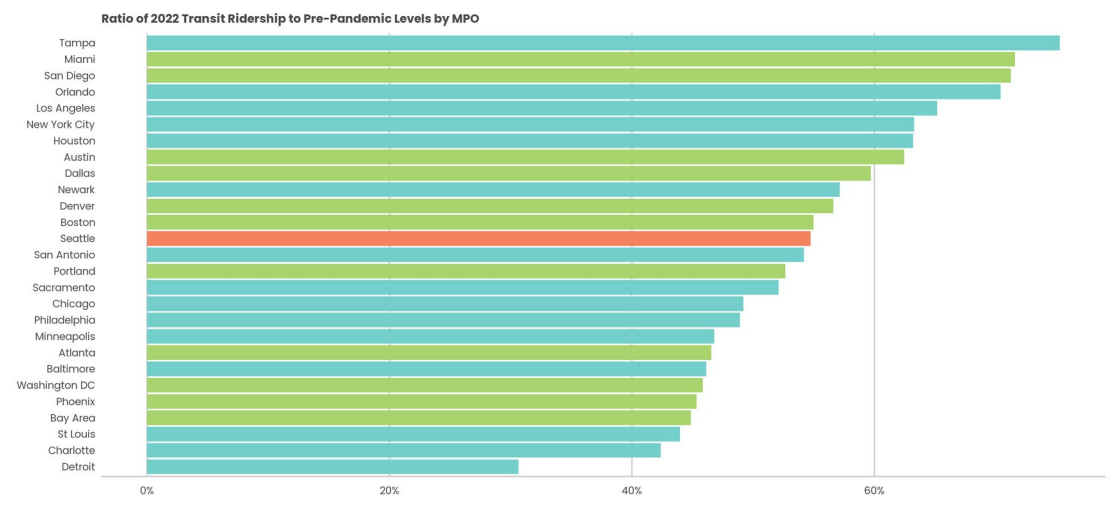
- Many datasets will be updated on an annual basis such as:
  - Data from the Census Bureau
  - Population and Housing Data from the Office of Financial Management
  - Fatality data from FARS
  - Vehicle Miles Traveled data from HPMS

- Some data could be updated monthly but we would highly encourage sticking with quarterly data
  - Allows for some smoothing of monthly variations
  - Many monthly datasets are preliminary and are revised frequently after initial release
  - Data like transit ridership, congestion, employment are examples of these sorts of data
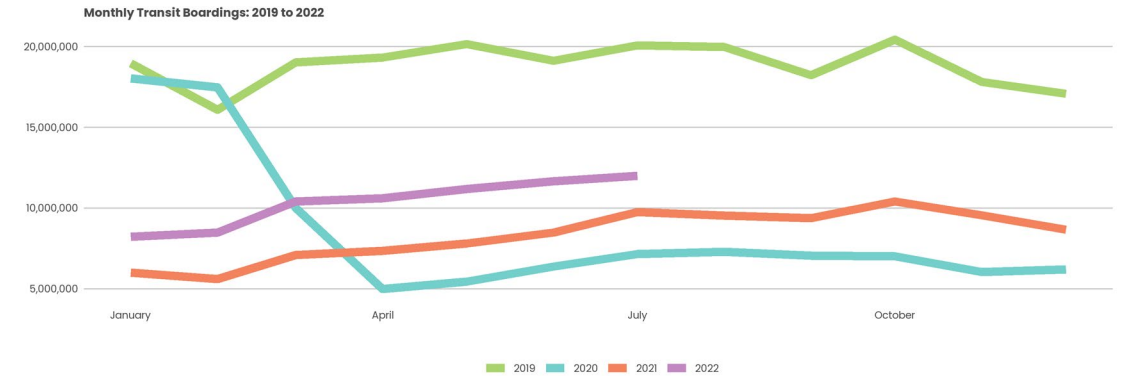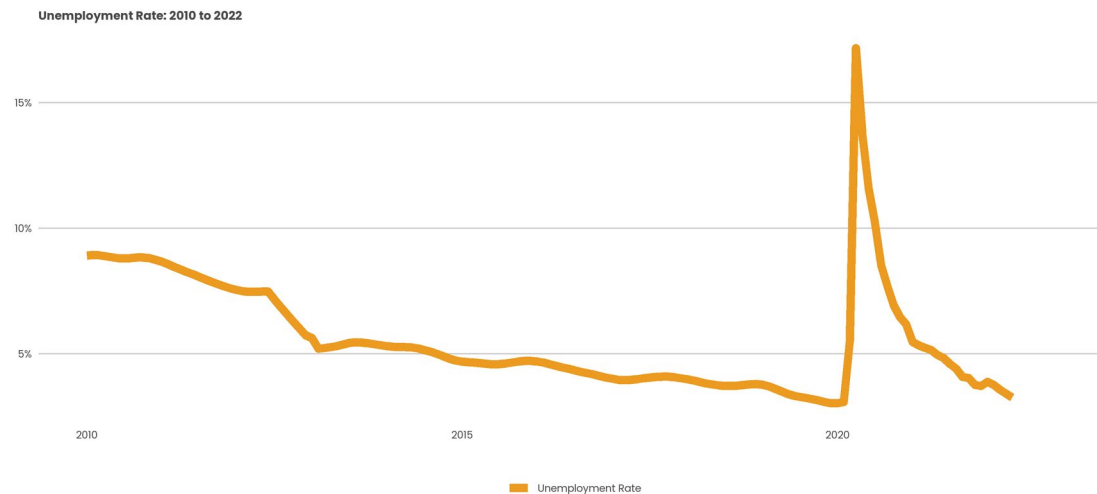
Monthly Transit Boardings: 2019 to 2022

Source: National Transit Database

Unemployment Rate: 2010 to 2022

Source: Washington State Employment Securities Department

REGIONAL
TRANSPORTATION
PLAN 2022–2050

There are very few specific targets/goals, so we proposes focusing on how the trends compare to the modeled outputs from our work.

- Growth trends will be compared to VISION 2050 forecasts

- Transportation trends will be compared to RTP forecasts

- We will compare to targets where we have them

Housing Growth near Current and Future High Capacity Transit: 2013 to 2020

Source: Office of Financial Management Small Area Estimates Program

Annual Transit Boardings: 2010 to 2025

Observed — Forecast

Source: National Transit Database & PSRC 2022–2050 RTP

Non-SOV Mode to Work: 2010 to 2021

2050 Forecast

Federal Performance Target

Source: American Community Survey Data Table B08006

We recommend seven topic areas to begin

There is significant overlap between these topic areas and many measures could fit under multiple topic areas:

1. Climate
2. Growth
3. Safety
4. Mode Share
5. Transit Performance
6. Congestion
7. Projects

Icon	Topic
🌲	Climate
👥	People, Housing & Jobs
🧍	Safety
🚲	Alternative Modes of Transportation
🚌	Transit Performance and Access
🚗	Travel Time and Congestion
🔧	Transportation Projects

Most measures in the dashboard are important components of the Climate Strategy but specific measure to include here could include:

1. Vehicle Miles Traveled (total & per capita)

2. Electric Vehicle Registrations

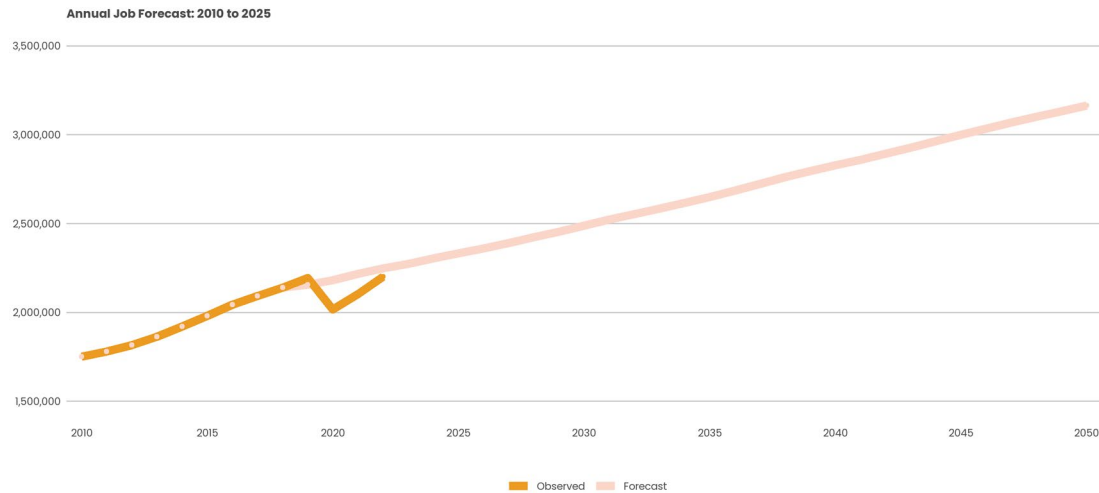3. Metrics like mode share and growth could fit here but are in other topic areas as well
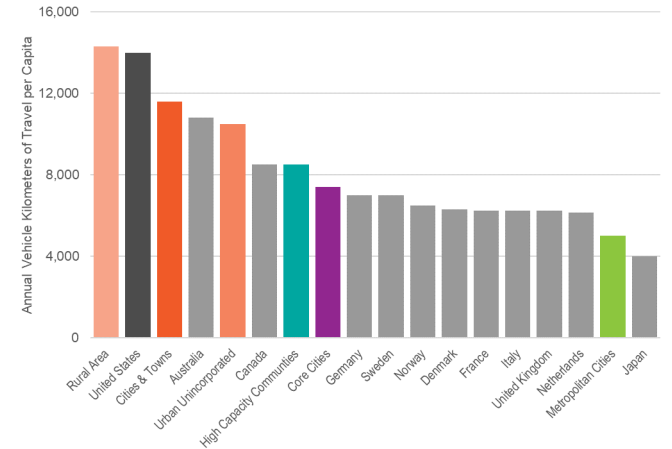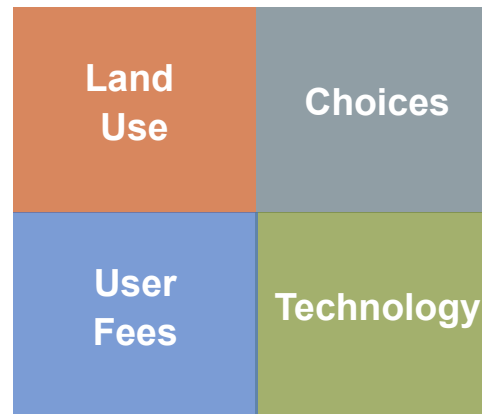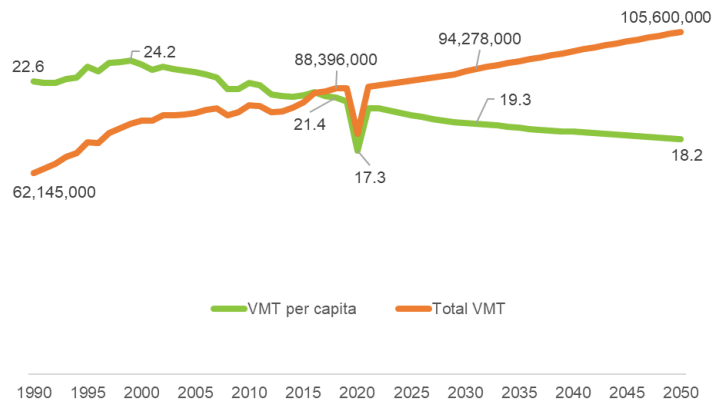
This data can be refreshed each fall with the release of the latest VMT data in late Summer.

Growth measures for people, housing and jobs and how the growth compares to VISION 2050 forecasts will be a focus of the growth-related measures:

- Population, Housing and Job Growth
- Growth near High-Capacity Transit
- Comparison to VISION 2050

Annual Job Forecast: 2010 to 2025

Source: Washington State Employment Securities Department & PSRC Regional Macroeconomic Forecast

Population Growth by Regional Geography: 2022

Metropolitan Cities 25,800 49%	Core Cities 5,700 11% / HCT 5,100 10%
	Cities & Towns 7,800 15%
	Unincorporated 8,300 16%
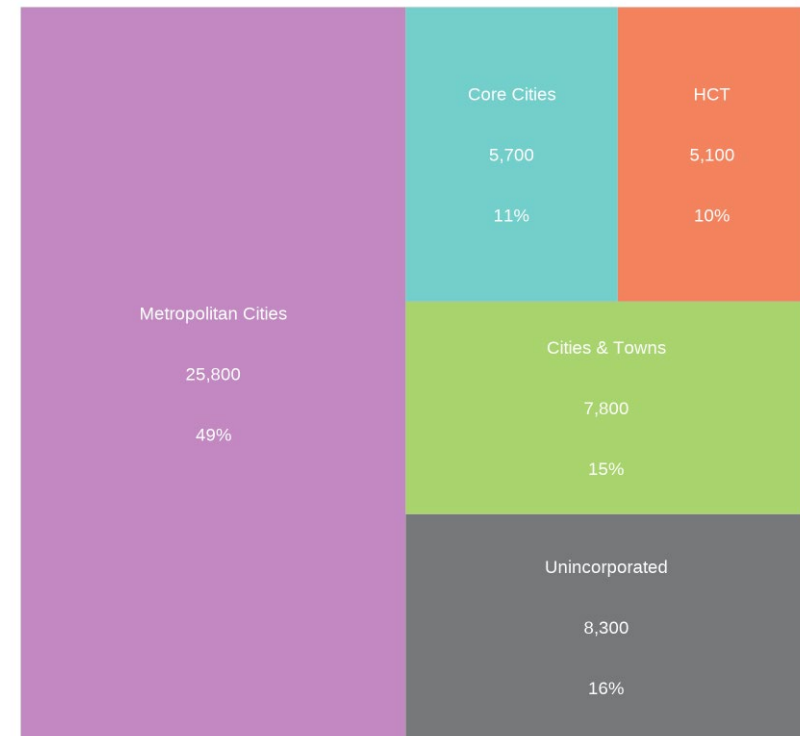
Source: Office of Financial Management Intercensal Population Estimates

This data can be refreshed each Fall with the release of the latest growth data from OFM.

Safety measures will include Fatal & Serious injury collisions:

- Serious Injury and collision data comes from WSDOT
  - Based on collision reports that do not include Race and Ethnicity
  - Includes details of user type and collision factors
- National Fatality Analysis Reporting System (FARS) data is released annually with a lag (2021 data is available in late 2022) but it offers:
  - Race and Ethnicity
  - Comparison to other Metro Regions

Average Annual Fatalities per 100,000 people by MPO: 2020

SCTPA, MetroPlan, SEFTC, MAG, CAMPO, SACOG, AAMPO, EWG, CRTPO, ARC, NCTCOG, H-GAC, SCAG, BMC, SEMCOG, DRCOG, SANDAG, DVRPC, Metro, MTC, CMAP, PSRC: 5.3, COG, NJPTA, MAPC, Met Council, NYMTC
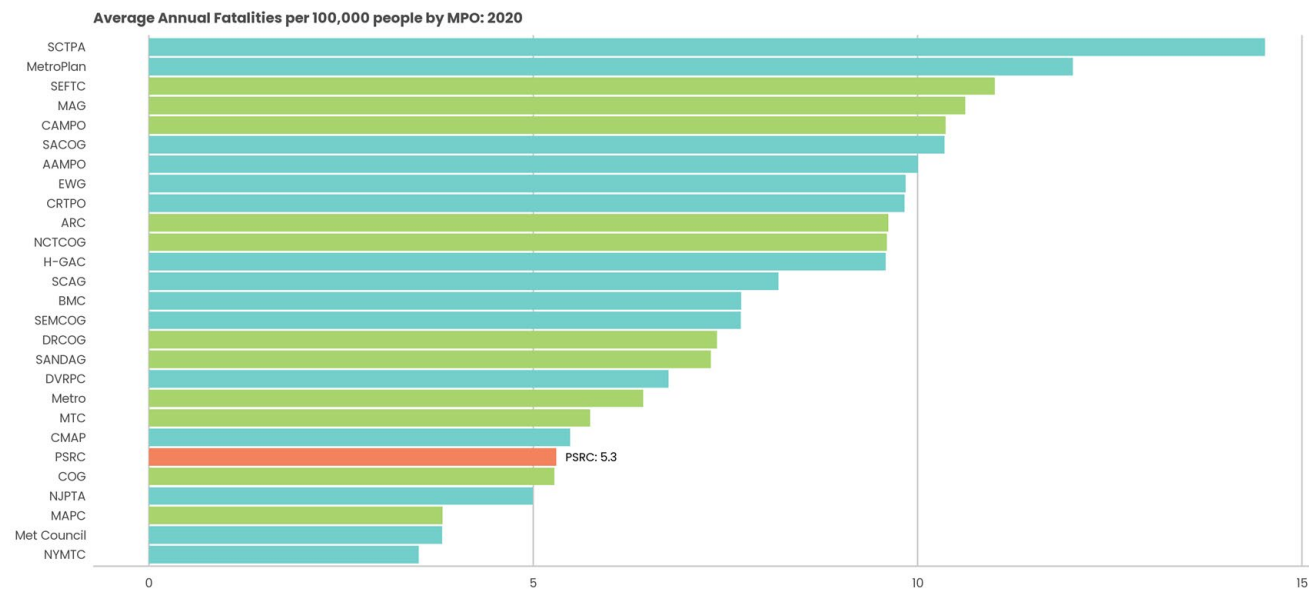
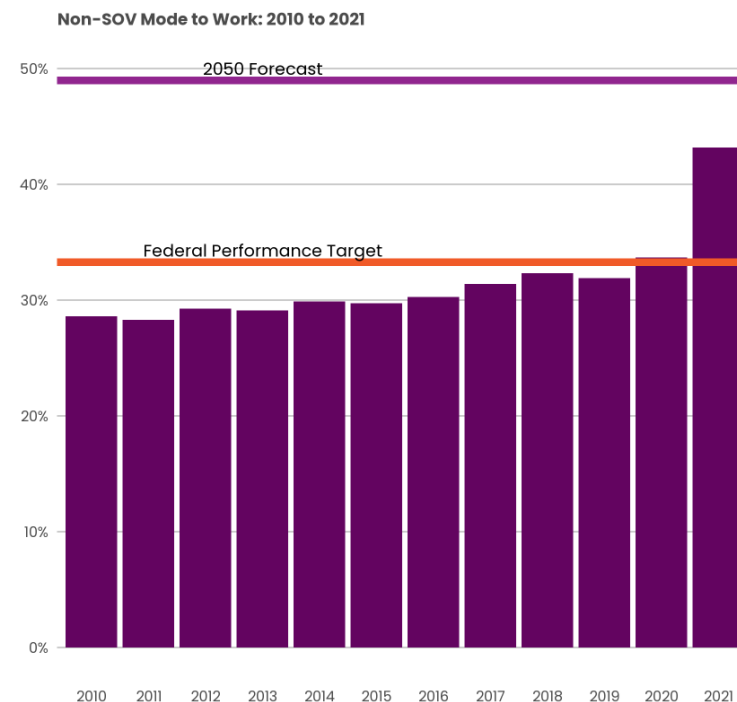Source:2015–2019 American Community Survey 5yr Data & FARS National Data 2016–2020

This data can be refreshed each fall with the roll-out of the annual FARS data

Alternative modes are a key to our Plans

Most Modal Data will come from the American Community Survey (ACS):

- Data is released each September and allows analysis by County, Region and MPO and includes walking, biking, transit, working from home and carpooling

- Data also allows analysis by Race and Ethnicity

- Data limitation is it is focused on Commute Modes
  - The Household Travel Survey can supplement but it is refreshed every two years

- We propose including Work from Home along with other "Non-SOV" modes (aligns with a Federal Performance Target)

Non-SOV Mode to Work: 2010 to 2021

Source: American Community Survey Data Table B08006

This data can be refreshed each fall with the release of the latest ACS data.

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Transit key to implementing VISION 2050 Growth Strategy

Transit Data comes from the National Transit Database, local operators and Census:

- We propose focusing on Operators instead of counties due to the cross-county nature of some operators

- Ridership, service-hours, rides-per-hour, number of high-capacity transit stations open and people living within ½ mile of stations are a proposed set of metrics.
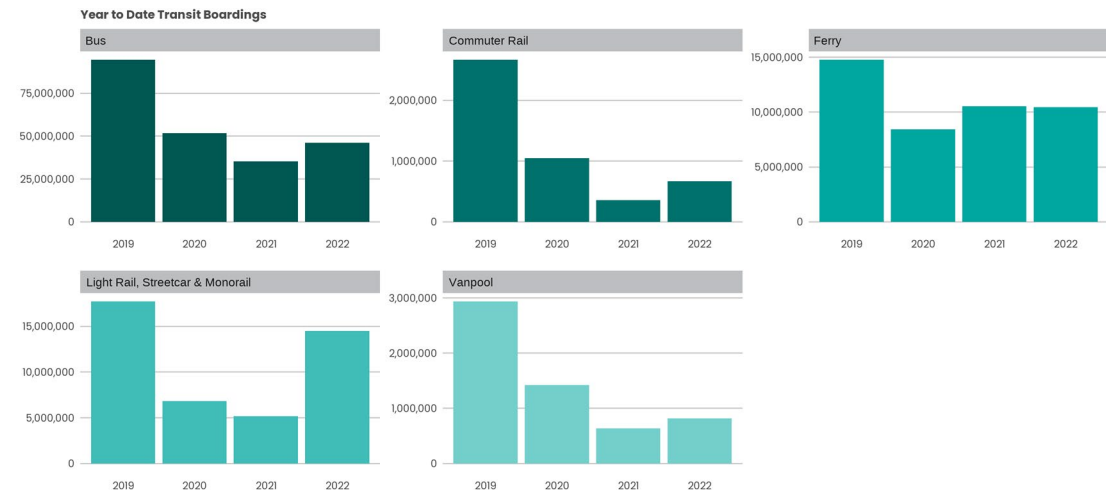
Source: National Transit Database July 2022 Raw Release

Ridership data and population near stations would be updated each fall after OFM releases it small-area estimates

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Travel time data comes from Census and the National Performance Measurement Research Dataset:

- Percentage of the network that is congested (aligns with a Federal Performance Target)

- Percentage of the Critical Freight network that is congested (aligns with a Federal Performance Target)

- Percentage of people with a commute of an hour or more

- Highway and Transit travel times for key corridors in each county (for the corridors identified in the RTP).
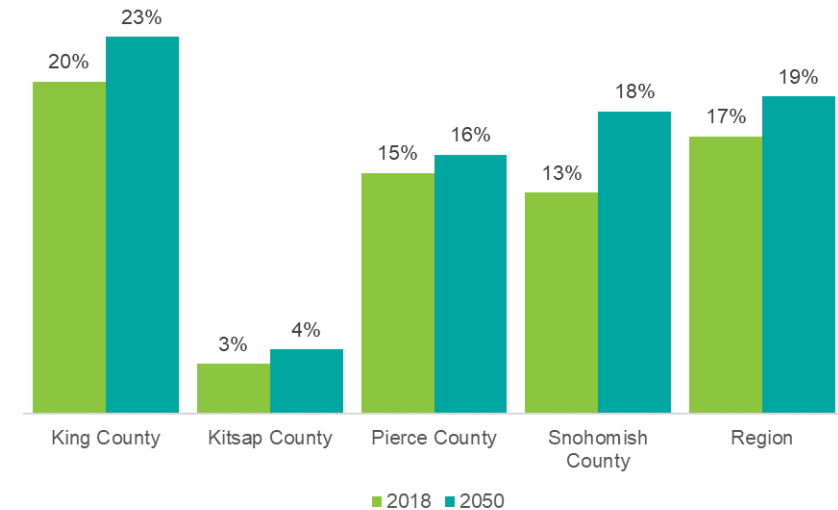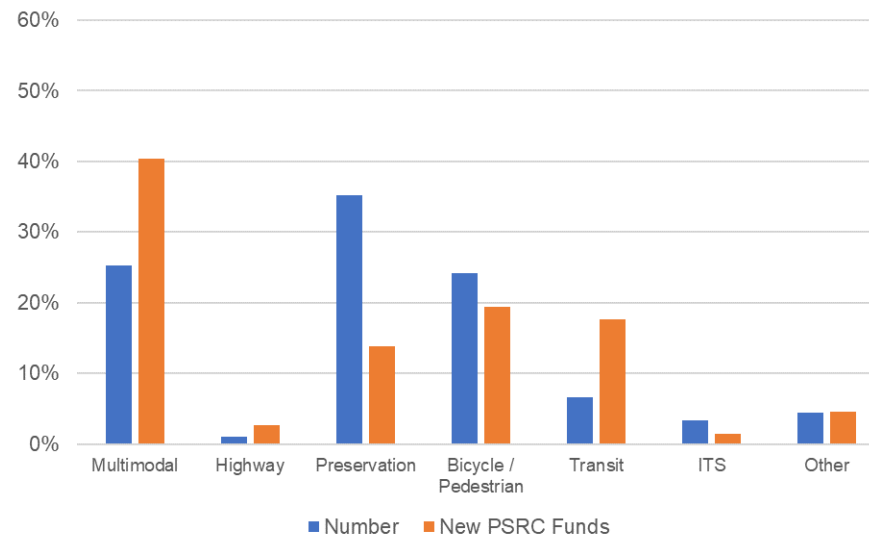

Congestion and Travel time data and people with long commutes updated annually

A place to highlight data from the RTP and the Transportation Improvement Program

- Project Financial and Completion Data
- Types of projects receiving funding and where they are at

Project Data would be updated annually

Schedule

Work is already underway

The RTP Dashboard will be a living document that will grow and evolve based on input from the Board. What we build today will be flexible and able to adapt as the needs of the users change over time.

- The "release" version of the site will be incorporated into the new PSRC web-templates in early January 2023

- We will continue to gather feedback on what is working and what is missing and continually add and refine the site as needed

- Annual Report will be generated late 2023

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Questions: chelmann@psrc.org