

An aerial photograph of a city, likely Seattle, with a large snow-capped mountain (Mount Rainier) in the background. The city is surrounded by dense green forests and a large body of water (Lake Washington) in the foreground. The sky is clear blue with a few clouds.

# **RTP Dashboard**

**Regional Staff Committee**

**November 2022**

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 Transportation Policy Board. What we build today will be flexible and able to adapt as the needs of the users change over time.

# Site Layout

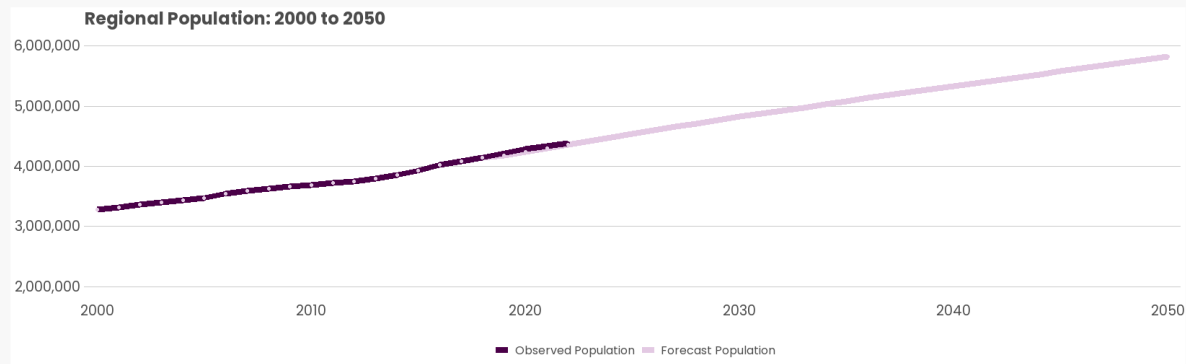
# We are proposing a site with data and context

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.

Over the next 30 years, the central Puget Sound region will add another million and a half people, reaching a population of 5.8 million. How can we ensure that all residents benefit from the region's thriving communities, strong economy and healthy environment as population grows? Local counties, cities, Tribes and other partners have worked together with PSRC to develop VISION 2050.

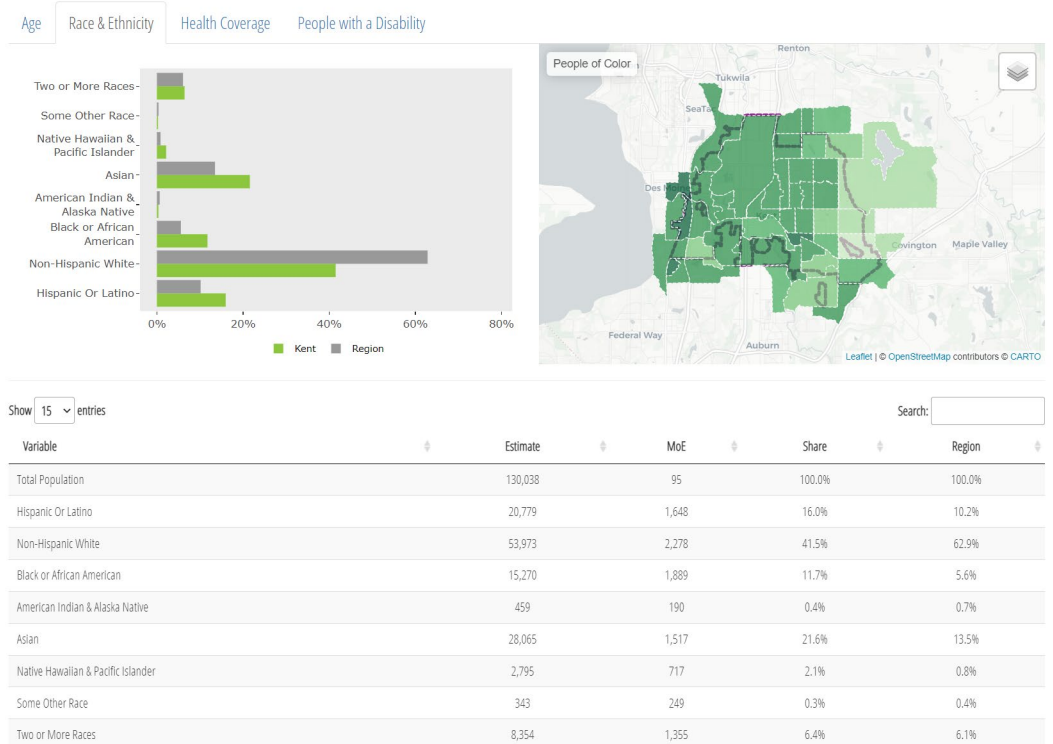
## Regional Population Growth

Between 2018 and 2022 population growth is in-line with VISION 2050. In VISION 2050 forecasts, the population in 2022 was forecasted to be 4,357,000. The observed population in 2022 was 4,383,000, a difference of 26,000 people.



## Growth Near High Capacity Transit

The Regional Growth Strategy defines roles for different types of places in accommodating the region's population and employment growth, which inform countwide growth targets, local plans and regional plans. The Regional Growth Strategy assumes 65% of the region's population growth and 75% of the region's

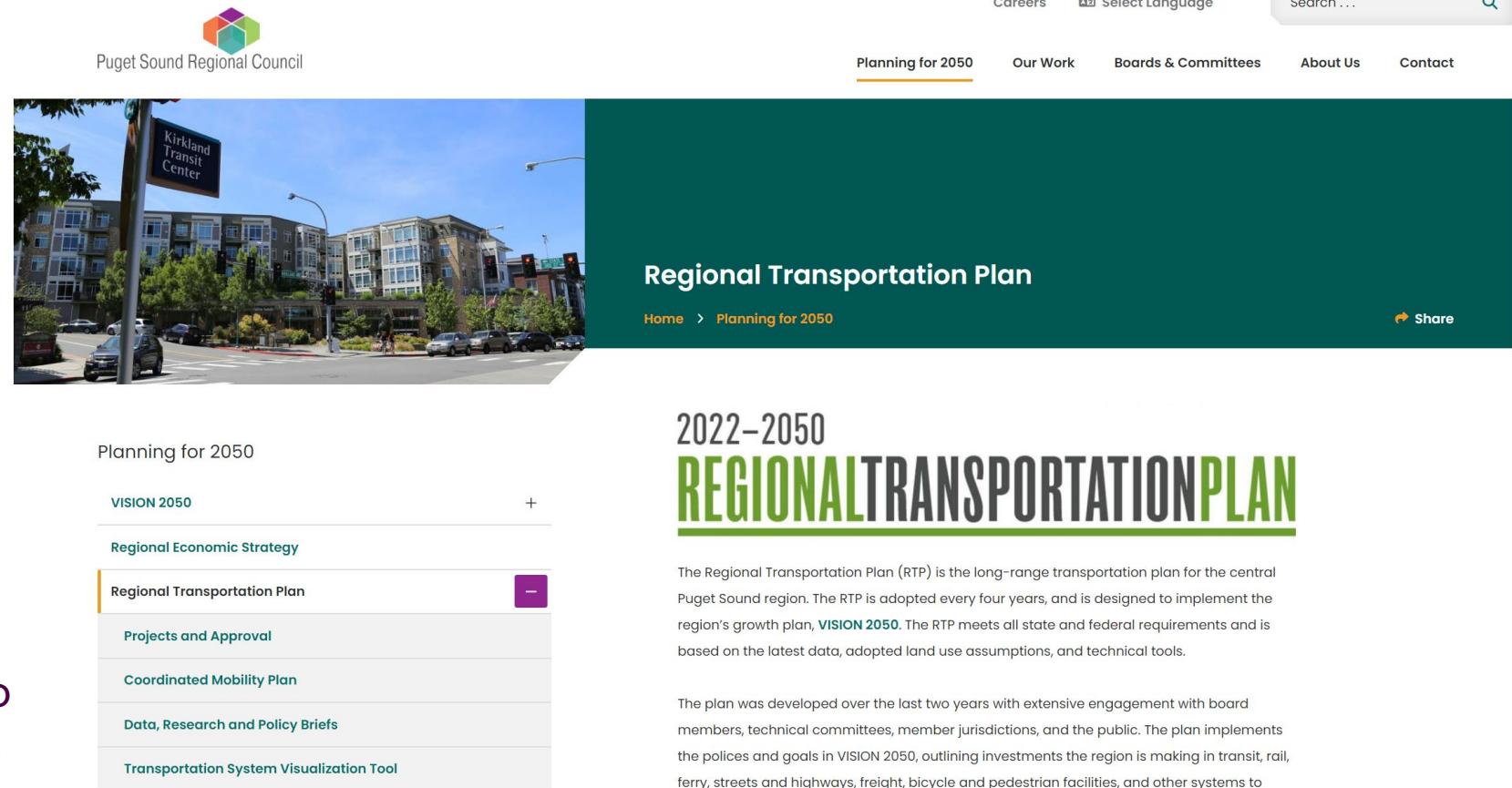


Vs.

# 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 screenshot shows the Puget Sound Regional Council website. At the top left is the PSRC logo and name. To the right are links for 'Careers', 'Select Language', and a search bar. Below these are navigation links: 'Planning for 2050' (highlighted), 'Our Work', 'Boards & Committees', 'About Us', and 'Contact'. A large banner image shows the Kirkland Transit Center building. Below the banner is a dark green header with the text 'Regional Transportation Plan' and a 'Share' button. A sidebar menu on the left lists: 'Planning for 2050', 'VISION 2050', 'Regional Economic Strategy', 'Regional Transportation Plan' (highlighted with a purple minus sign), 'Projects and Approval', 'Coordinated Mobility Plan', 'Data, Research and Policy Briefs', and 'Transportation System Visualization Tool'. The main content area features the title '2022-2050 REGIONAL TRANSPORTATION PLAN' and two paragraphs of text describing the RTP.

# 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

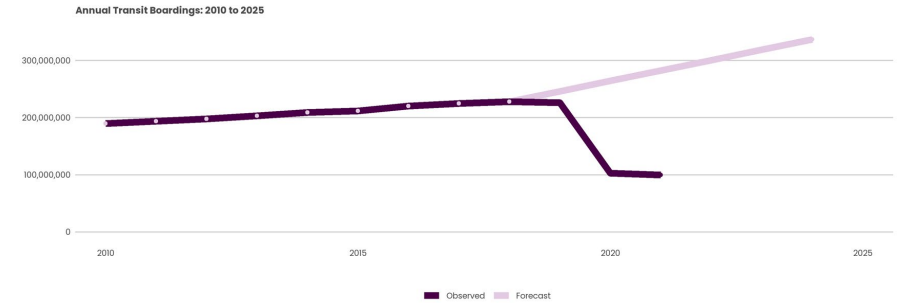


Data Catalog A to Z

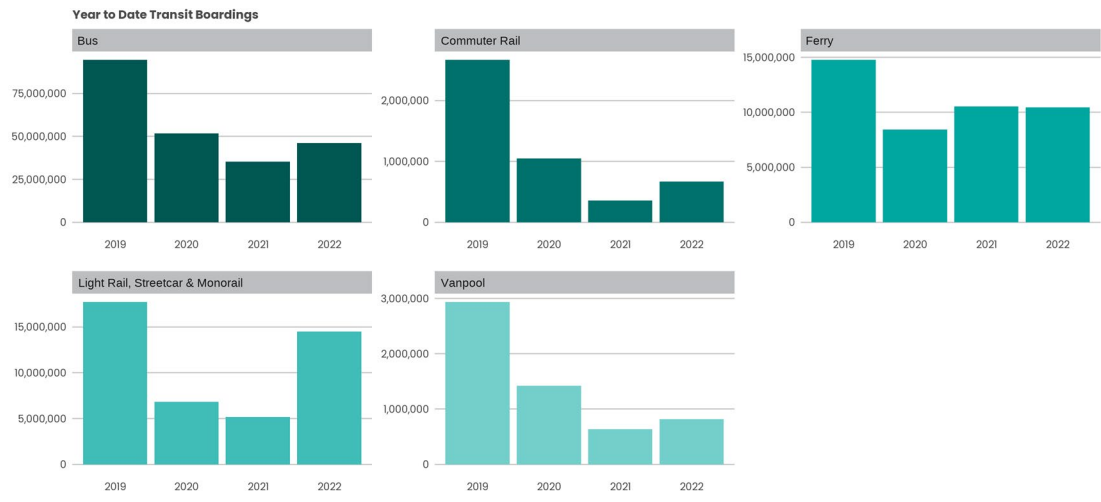
# Initial Metrics

# We are proposing three levels of Geographic Comparison

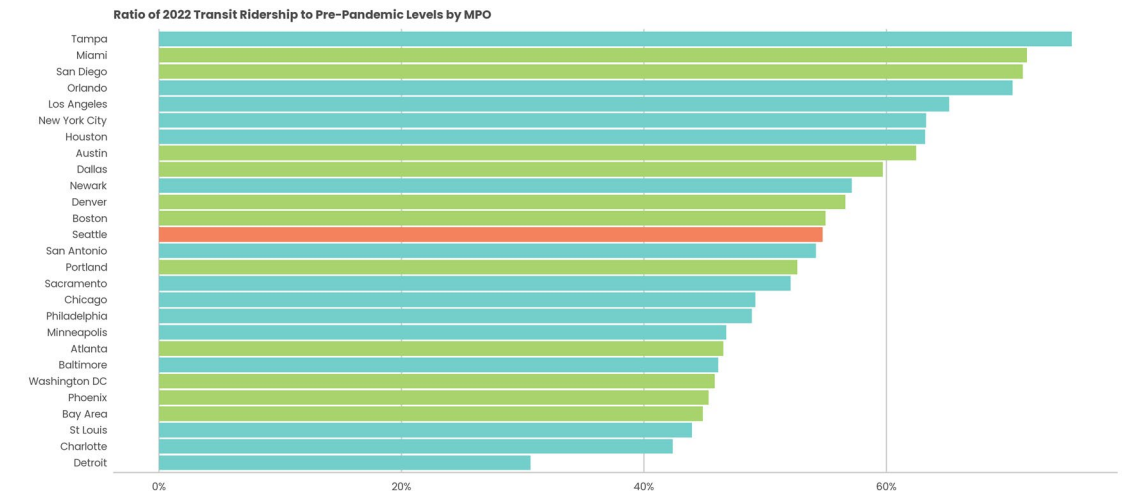
- Region
- County/Operator/Mode
- Regional Comparisons (where appropriate)



Source: National Transit Database & PSRC 2022-2050 RTP



Source: National Transit Database July 2022 Raw Release

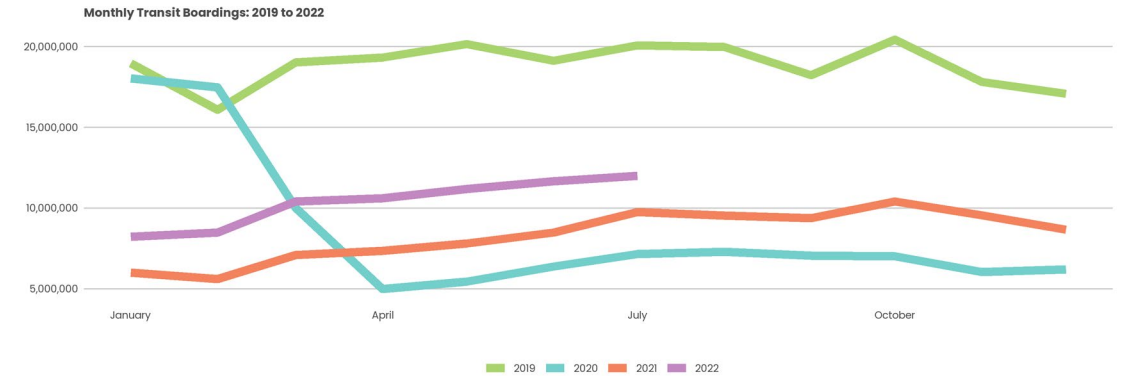


Source: National Transit Database July 2022 Raw Release

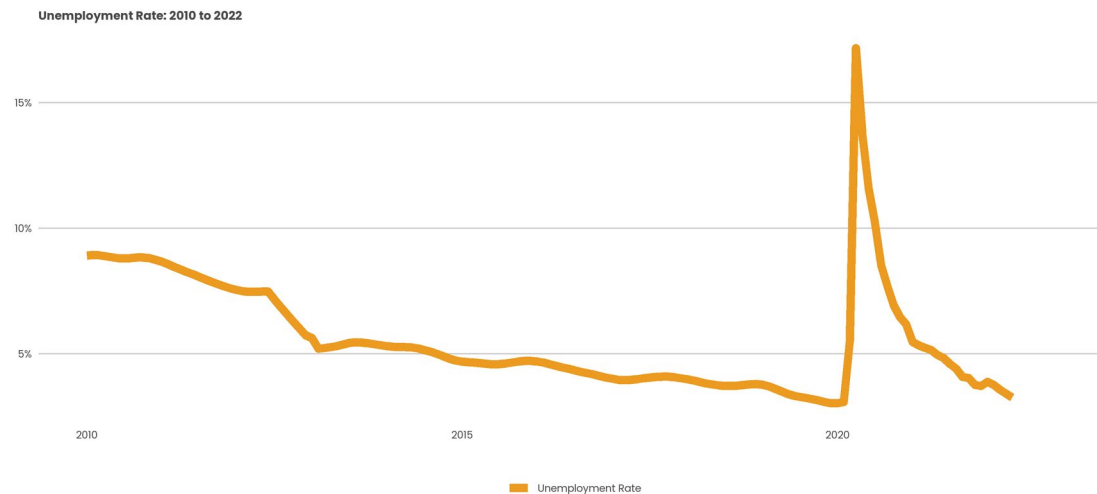


# The data will be updated so it is useful to decision making

- 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



Source: National Transit Database

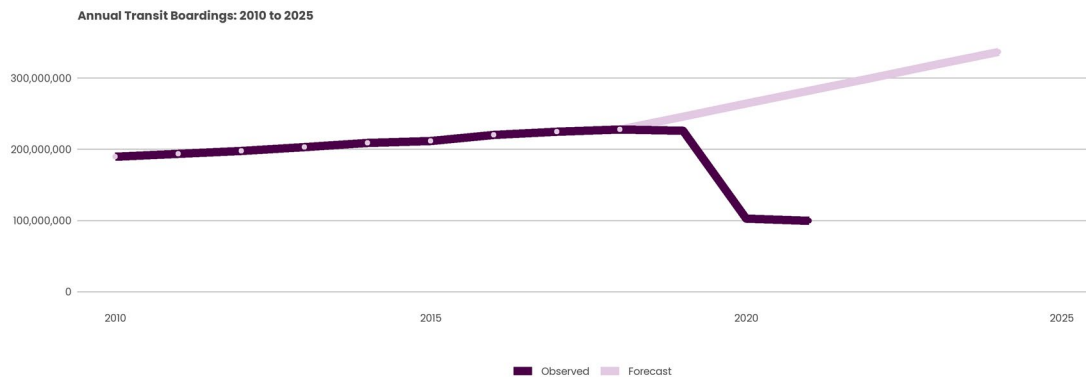


Source: Washington State Employment Securities Department

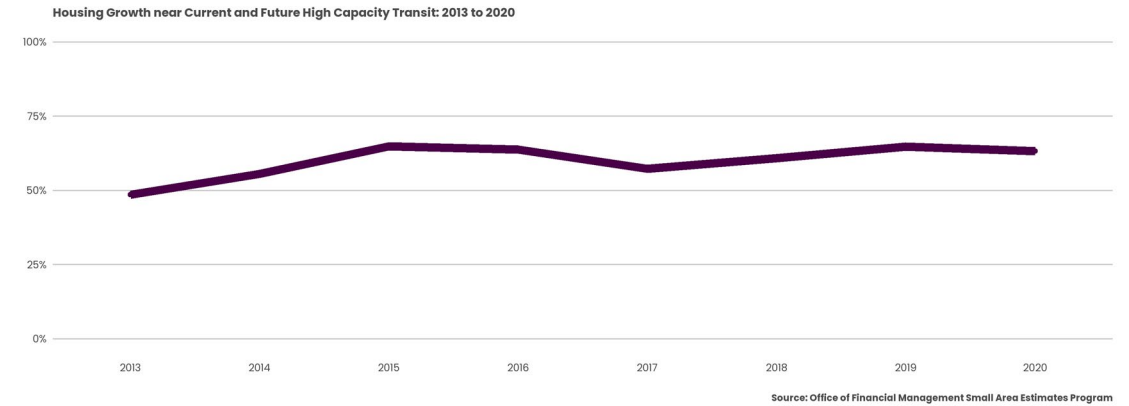
# The data will be compared to our Plans to understand the trends

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

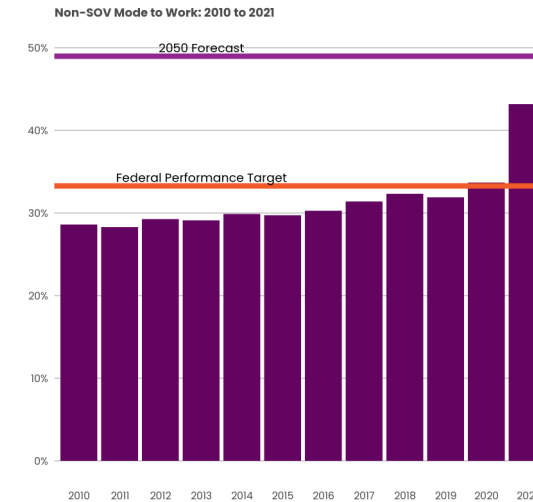
- Growth trends will be compared to VISION 2050 forecasts
- Transportation trends will be compared to RTP forecasts
- We will compare to targets where we have them



Source: National Transit Database & PSRC 2022-2050 RTP



Source: Office of Financial Management Small Area Estimates Program



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



Climate



People, Housing & Jobs



Safety



Alternative Modes of Transportation



Transit Performance and Access



Travel Time and Congestion



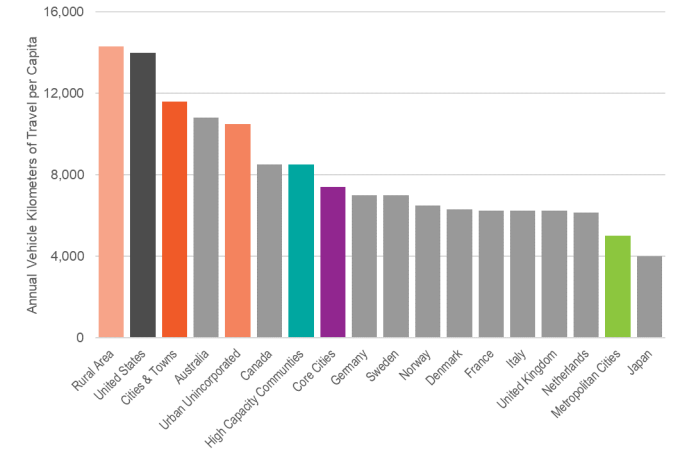
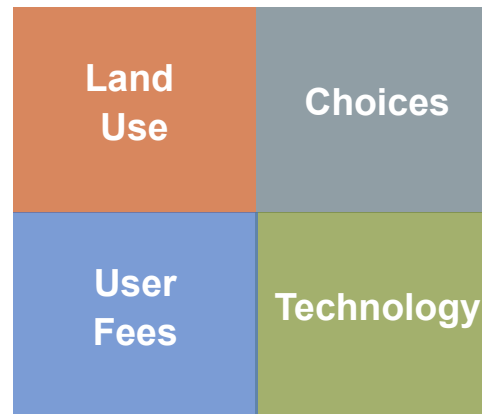
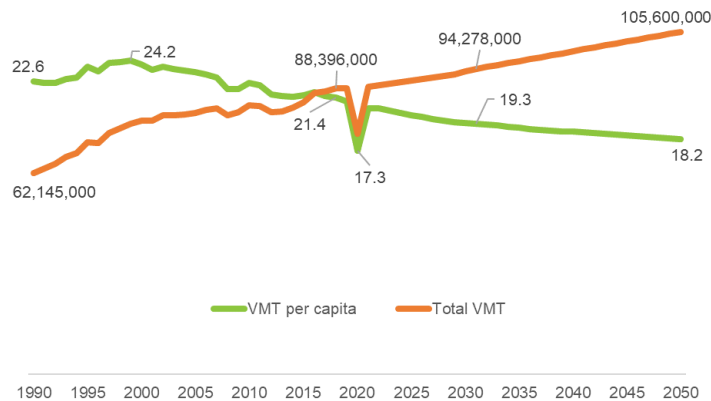
Transportation Projects



# Example Climate metrics

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



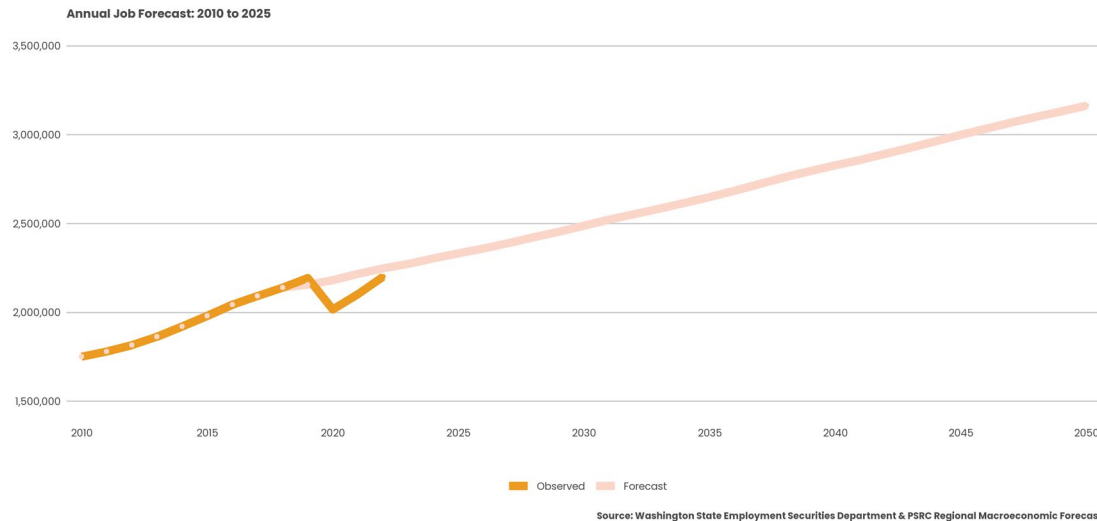
This data can be refreshed each fall with the release of the latest VMT data in late Summer.



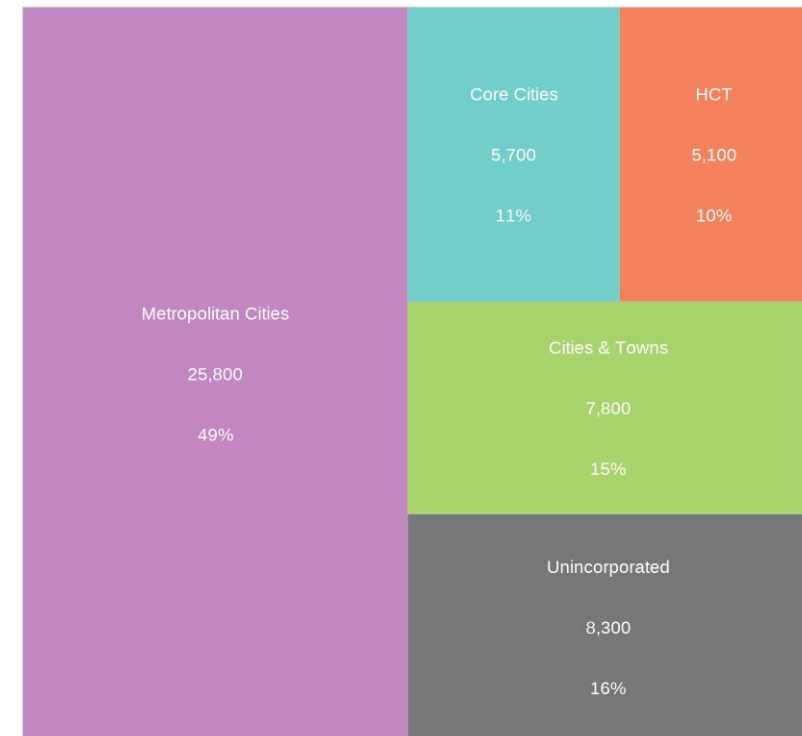
# How we grow is critical to our success

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



Population Growth by Regional Geography: 2022



Source: Office of Financial Management Intercensal Population Estimates

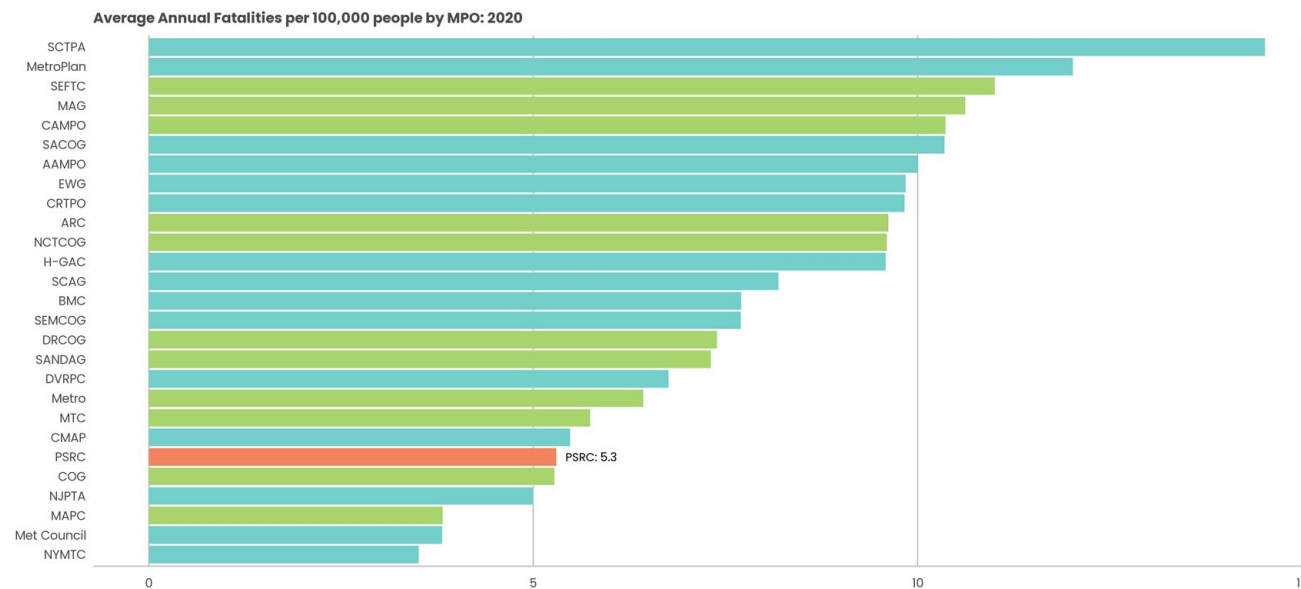
This data can be refreshed each Fall with the release of the latest growth data from OFM.



# The region is committed to a Safe Systems Approach

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



Source: 2015-2019 American Community Survey 5yr Data & FARS National Data 2016-2020

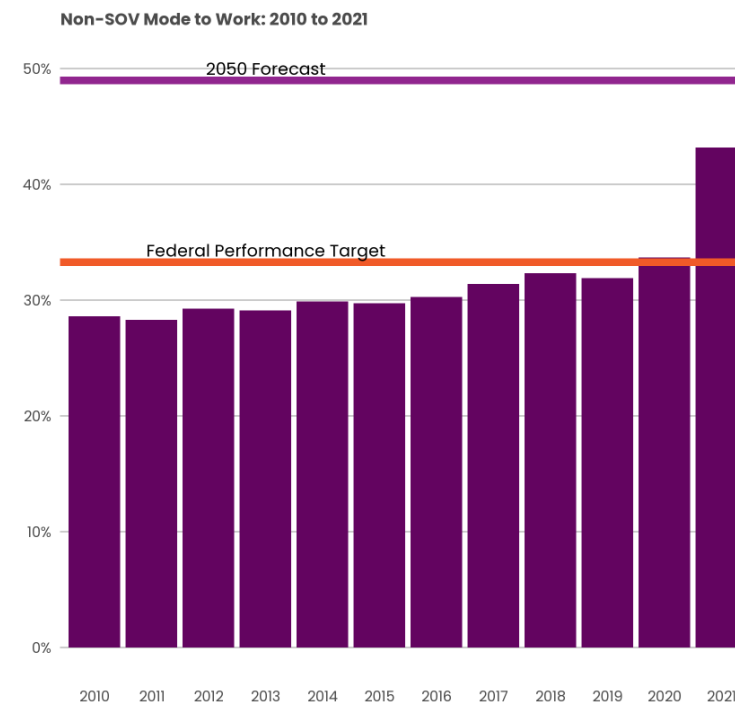
This data can be refreshed each fall with the roll-out of the annual FARS data



# 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)



Source: American Community Survey Data Table B08006

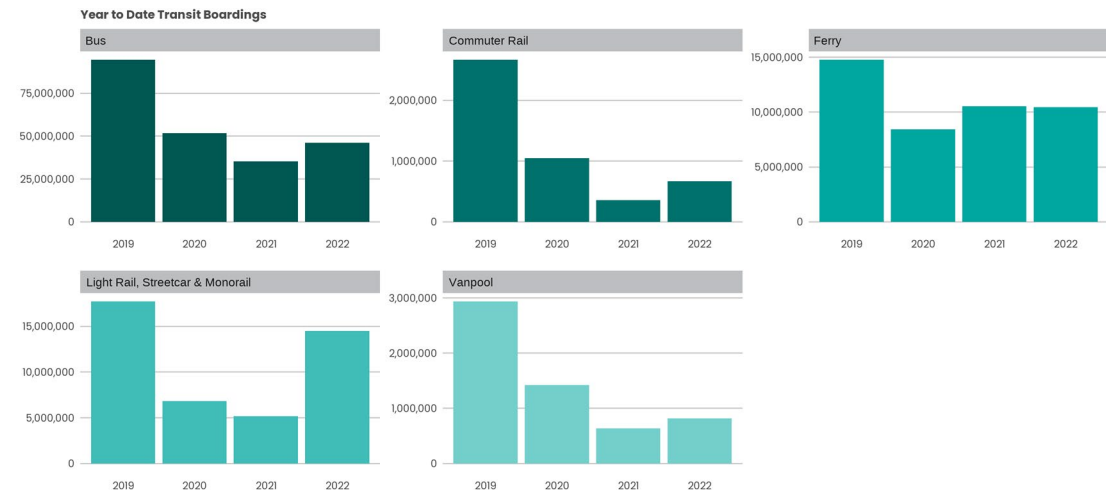
This data can be refreshed each fall with the release of the latest ACS data.



# 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 its small-area estimates

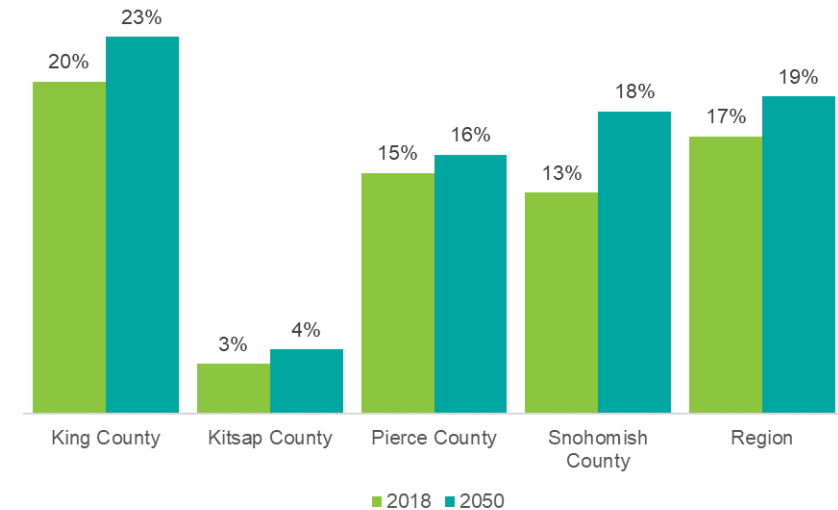




# Travel Time and Congestion affect people everyday

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).



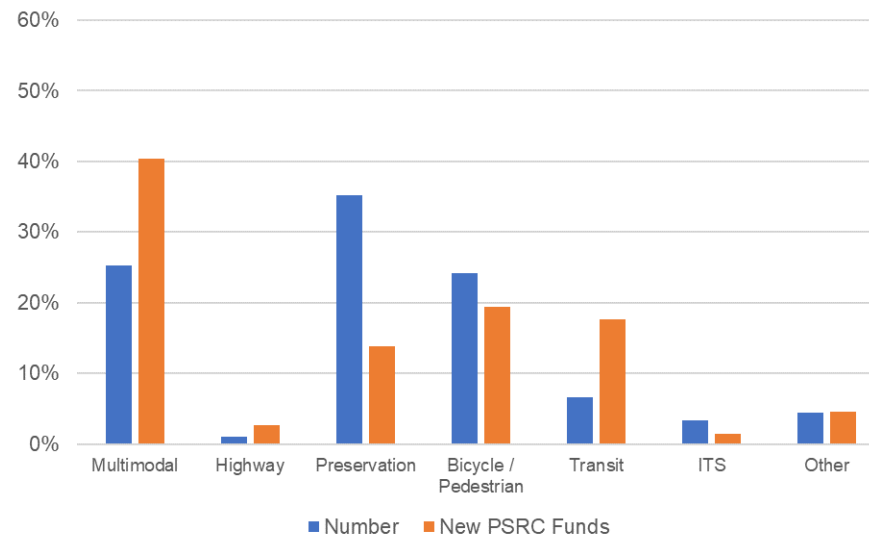
Congestion and Travel time data and people with long commutes updated annually



# Transportation Projects that build our Plans

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 Transportation Policy 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



**Questions: [chelmann@psrc.org](mailto:chelmann@psrc.org)**