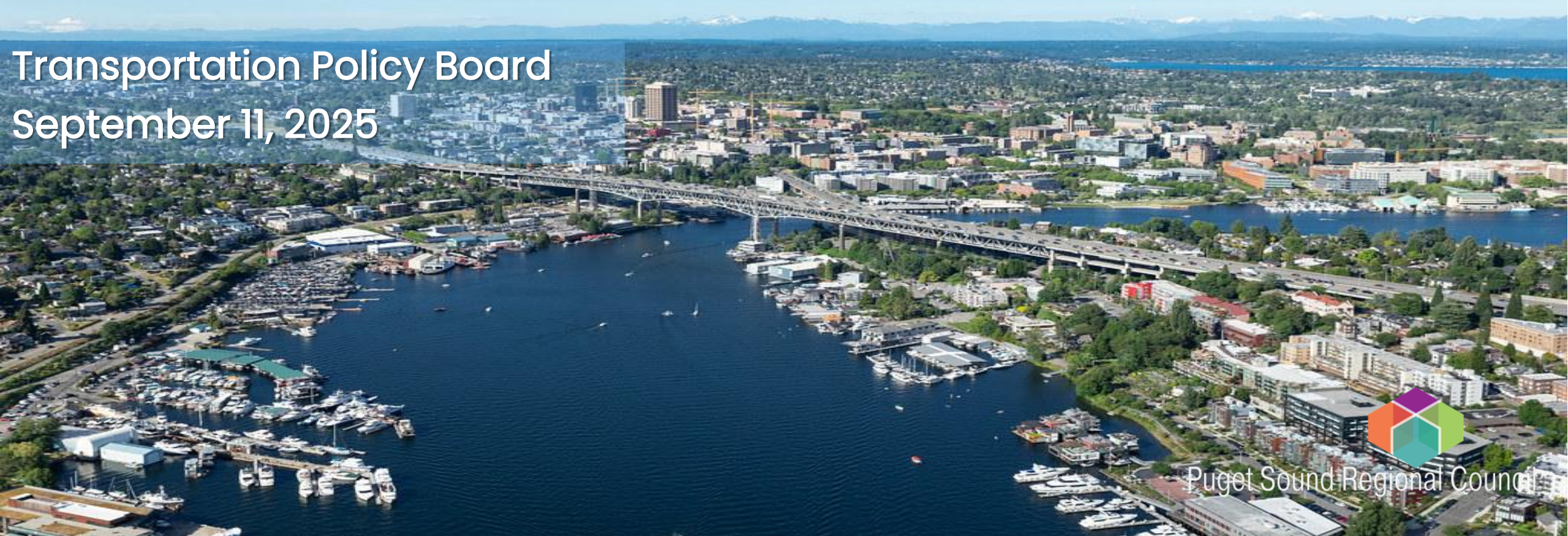


Regional Transportation Plan Scenario Analysis Results

Transportation Policy Board
September 11, 2025



Puget Sound Regional Council



We are leaders in the region to realize equity for all. Diversity, racial equity and inclusion are integrated into how we carry out all our work.

psrc.org/equity

Today's Discussion – RTP Scenario Analysis Results

- Reminder of Scenario development process
- Review Scenarios and agenda packet materials
- Overview of analysis – what's included, and what is not
- Summary results and comparison of Scenarios
- Board discussion and feedback
 - *Action will be requested in October to select the draft plan investment and funding portfolio*



RTP Available Revenues vs. Proposed Expenditures

Gap between available revenues and proposed expenditures = 21%

Sponsor Type	NEEDS				REVENUES			Revenue Gap	% of Revenue Gap
	Maintenance, Preservation and Operations	System Improvements		Total	Current Law	New Revenue	Total		
		Regional Capacity Projects	Other Improvements						
Counties	\$17,900	\$5,200	\$2,800	\$25,900	\$16,600	\$0	\$16,600	\$9,300	12%
Cities	\$45,300	\$8,500	\$23,200	\$77,000	\$41,700	\$0	\$41,700	\$35,300	45%
Local Transit	\$52,700	\$2,800	\$19,200	\$74,800	\$52,400	\$0	\$52,400	\$22,500	29%
Sound Transit	\$49,500	\$41,600	\$34,500	\$125,700	\$125,700	\$0	\$125,700	\$0	0%
WSF	\$11,300	\$0	\$6,100	\$17,300	\$11,400	\$0	\$11,400	\$6,000	8%
WSDOT	\$23,400	\$14,500	\$6,700	\$44,600	\$39,400	\$0	\$39,400	\$5,200	7%
Subtotal		\$72,700	\$92,500						
TOTAL	\$200,100	\$165,200		\$365,300	\$287,100	\$0	\$287,100	\$78,200	21%



Investment Categories

Proposed Investments

- **Regional Capacity Projects (\$72.7 billion total)**
 - Projects from cities, counties, ports, tribes, transit agencies and the state changing capacity on the regional system
 - Submitted from new comprehensive plans, current transit plans, new State Highway System Plan
 - Wide variety of investments meeting needs across modes, communities



Investment Categories

Proposed Investments

- **Programmatic System Improvements (\$92.5 billion total)**
 - Broad categories of investments from cities, counties, transit agencies and the state
 - E.g., local roads, sidewalks, bike lanes, signals, intersection improvements, etc.
 - Identified from new comprehensive plans, current transit plans, new State Highway System Plan– *all needed / desired investments to improve the system, projected through 2050*



Investment Categories

Proposed Investments

- **Maintenance, Preservation and Operations (\$200.1 billion total)**
 - Maximum investment = all asset categories are maintained, preserved and operated in a *full* state of good repair through 2050
 - Represents wide variety of assets and operations from cities, counties, transit agencies and the state
 - Includes estimates to address all backlogs, then maintain into the future; also includes operations of current transit system



Board Discussions to Date

To address the gap between all proposed investments and available revenues:

- Majority consensus to pursue a balance between levels of investment and new revenues
 - Reviewed different levels of investment across all categories: regional capacity projects, programmatic system improvements, maintenance / preservation, growth in transit service
 - Reviewed different levels of new revenues



Four Scenarios Advanced

Scenario 1
Current Funding
Sources

Scenario 2A
More Than
Today

Scenario 2B*
Focus on
Maintenance
and Transit

Scenario 3
Maximum
Investment

* Developed from Board polling



Scenario 1 – Current Funding Sources

Regional Capacity
Projects with some
level of committed
funding

Programmatic
System
Improvements at 70%
of full unconstrained
needs

No New
Revenues
required

Maintenance,
Preservation and
Operations at today's
levels

Local Transit Service
Growth at 1.0% per
year



Scenario 2A – More Than Today

Regional Capacity
Projects starting
before 2040

Programmatic
System
Improvements at 80%
of full unconstrained
needs

New Revenues
required = \$42.8
billion

Maintenance,
Preservation and
Operations at 90% of
optimal levels

Local Transit Service
Growth at 1.5% per
year



Scenario 2B – Focus on Maintenance and Transit

Regional Capacity
Projects starting
before 2040

Programmatic
System
Improvements at 70%
of full unconstrained
needs

New Revenues
required = \$48.9
billion

Maintenance,
Preservation and
Operations at full,
optimal levels

Local Transit Service
Growth at 2.0% per
year



Scenario 3 – Maximum Investment

All Regional Capacity
Projects

Programmatic
System
Improvements at
100% of identified
needs

New Revenues
required = \$78.2
billion

Maintenance,
Preservation and
Operations at full,
optimal levels

Local Transit Service
Growth at 2.0% per
year



Additional Scenario Background

Information on *INPUTS* to the scenario analyses:

- 33% growth in both population and jobs by 2050
 - *1.4 million people, 740,000 jobs*
- Assumptions about a Road Usage Charge are not included in the scenario analyses
 - *Further discussions on the financial strategy will resume in October*



Additional Scenario Background

Information on *OUTPUTS* for each scenario:

- Programmatic investments cannot be modeled, but qualitative comparison across scenarios are included
- An extensive suite of performance metrics will be included in the final plan
 - *Scenario results represent key metrics related to the board identified policy priorities*



Summary of Scenario Analysis Results

Overall:

- Levels of total investment across the four scenarios above the base year ranges from **\$287 billion** to **\$365 billion**
- Modest differences between scenarios for many of the modeled performance metrics
- Greater distinctions between scenarios from the spatial and qualitative measures



Overall performance is similar by scenario

Metric	Scenario #1	Scenario #2a	Scenario #2b	Scenario #3
VMT & Delay				
Daily Vehicle Miles Traveled	98,398,000	98,650,000	98,716,000	98,731,000
Daily VMT per Capita	17.0	17.0	17.1	17.1
Daily Vehicle Hours of Delay	339,000	332,000	332,000	333,000
Annual Delay per Capita	18.7	18.4	18.4	18.4
Air Quality & Climate				
Greenhouse Gas Emissions	6,910	6,960	7,000	7,000
PM 2.5	0.79	0.79	0.79	0.79
Active Transportation				
Walk Trips	4,460,000	4,452,000	4,452,000	4,454,000
Bike Trips	391,000	390,000	391,000	391,000
Minutes Walking & Biking per day	14.2	14.2	14.2	14.2
Safety				
% of Projects on the High Injury Network	26%	55%	55%	63%



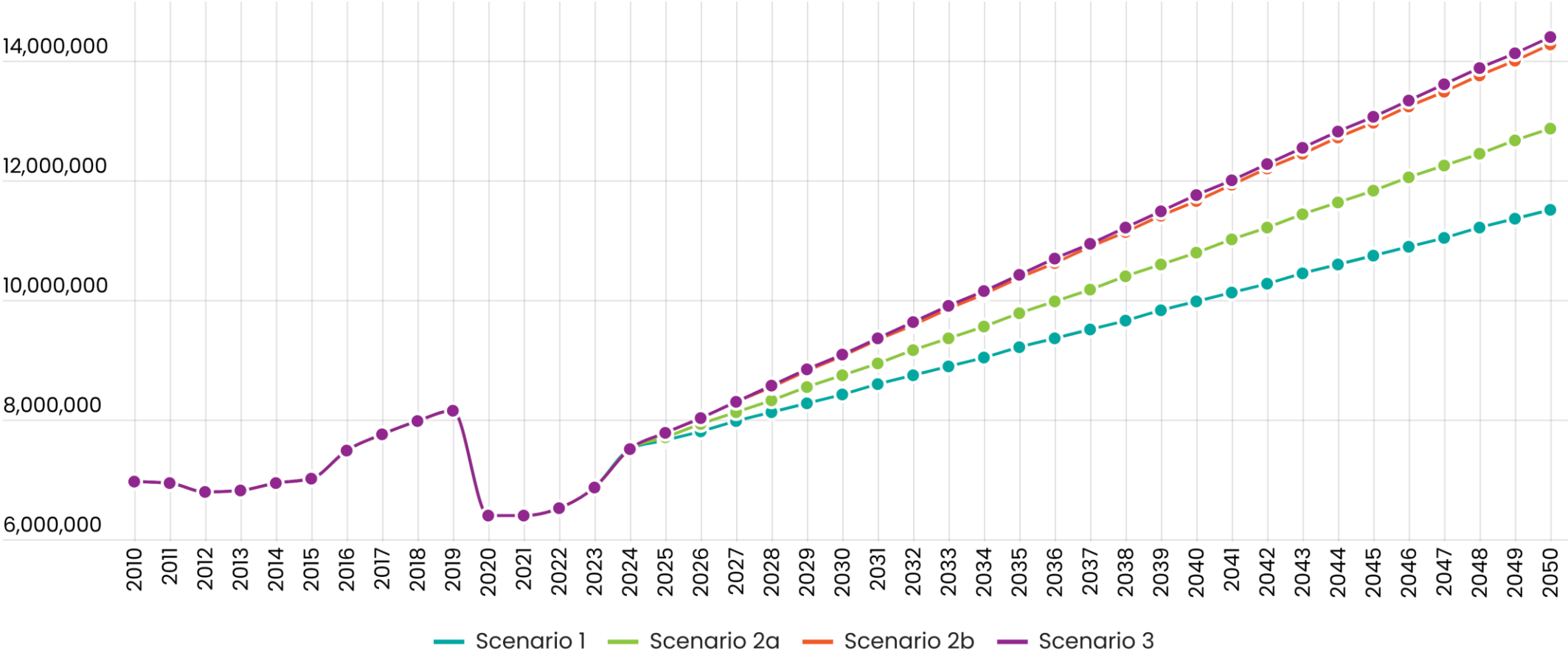
Overall performance for trucks is similar by scenario

Metric	Scenario #1	Scenario #2a	Scenario #2b	Scenario #3
Daily Truck Trips	386,000	386,000	386,000	386,000
Annual Truck Delay per Trip	23.0	22.5	22.5	22.3
Daily Truck Miles per Trip	18.5	18.5	18.5	18.5
% of Freight Network with Severe Congestion	8.9%	8.5%	8.4%	8.4%



Every scenario has significant growth in transit service

Annual Revenue-Hours by Scenario

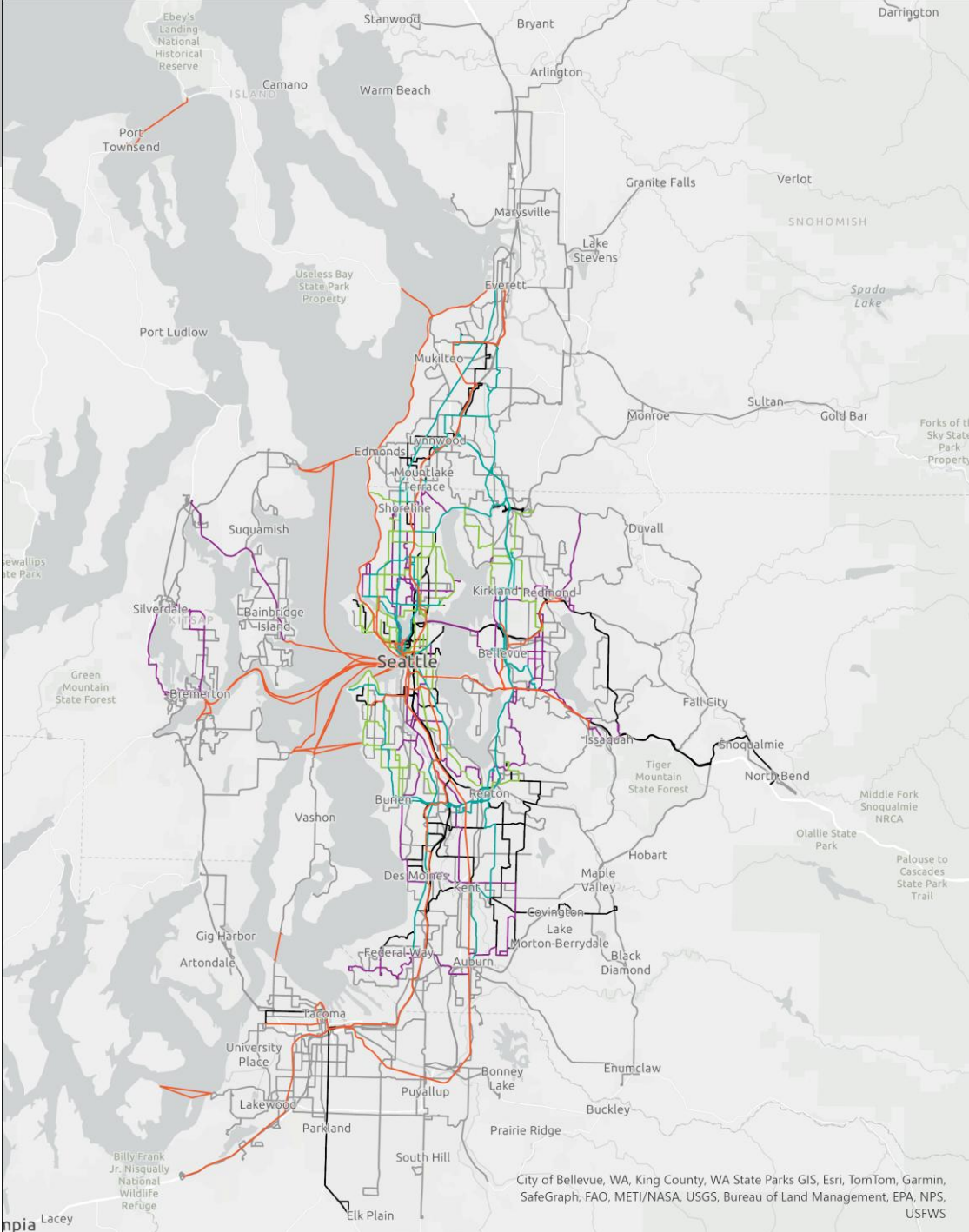


Source: PSRC SoundCast model & 2050 GTFS Inputs



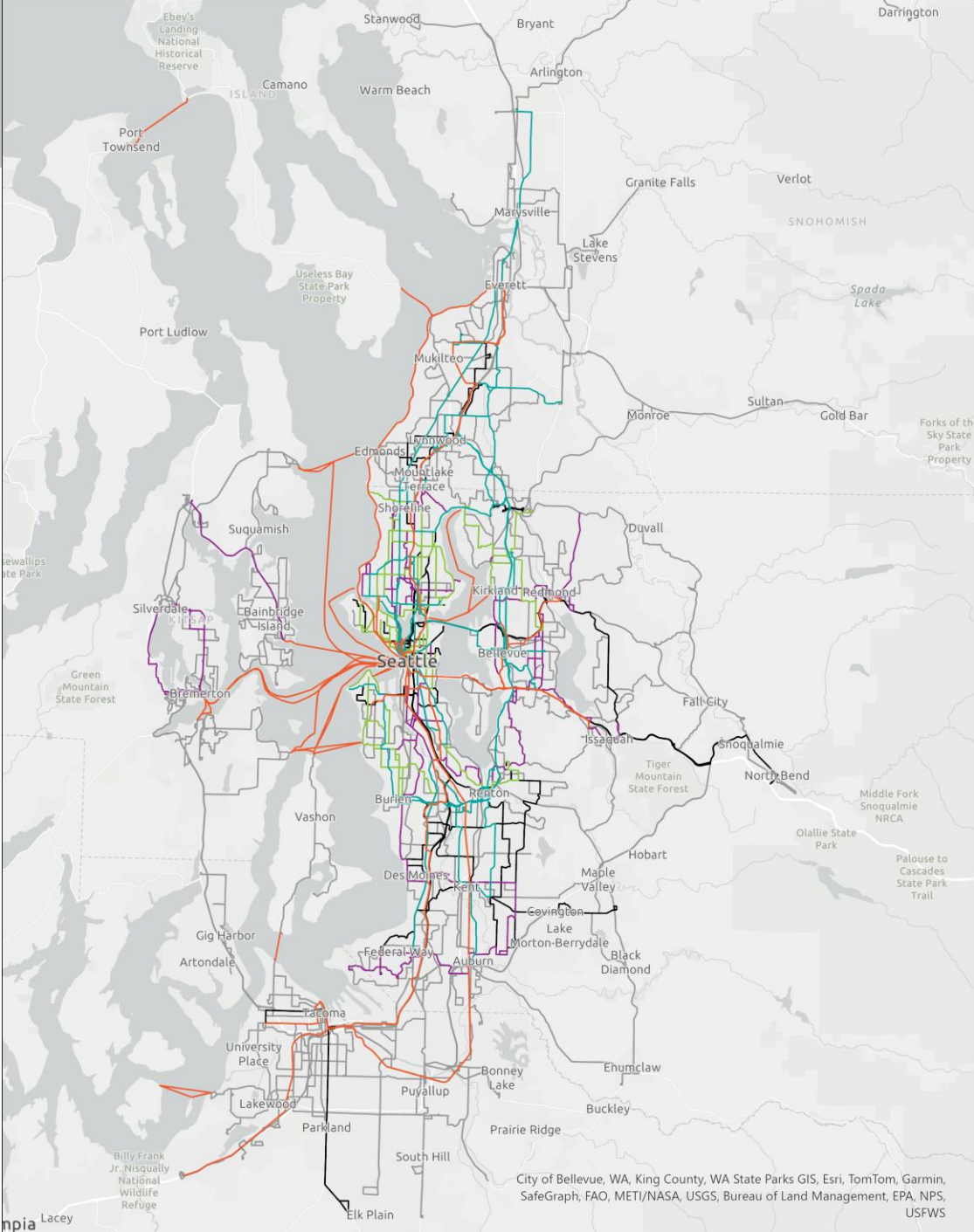
Transit: Scenario 1

Metric	Today	Scenario #1	Change
Transit Routes			
Total Routes	307	316	9
Local Routes	104	104	-
All-Day Routes	28	64	36
Frequent Routes	43	43	-
BRT Routes	11	17	6
High-Capacity Transit Routes	27	33	6
Regional Transit Metrics			
Annual Revenue-Hours	7,517,640	11,522,000	53%
Annual Boardings	173,324,000	505,812,000	192%
Daily Transit Trips	351,000	1,010,000	188%
People in Transit Supportive Densities without Supportive Transit			
Gap near Local Transit	948,000	1,408,000	460,000
Gap near All-Day Transit	444,000	719,000	275,000
Gap near Frequent Transit	60,000	298,000	238,000
Gap near High-Capacity Transit	91,000	412,000	321,000



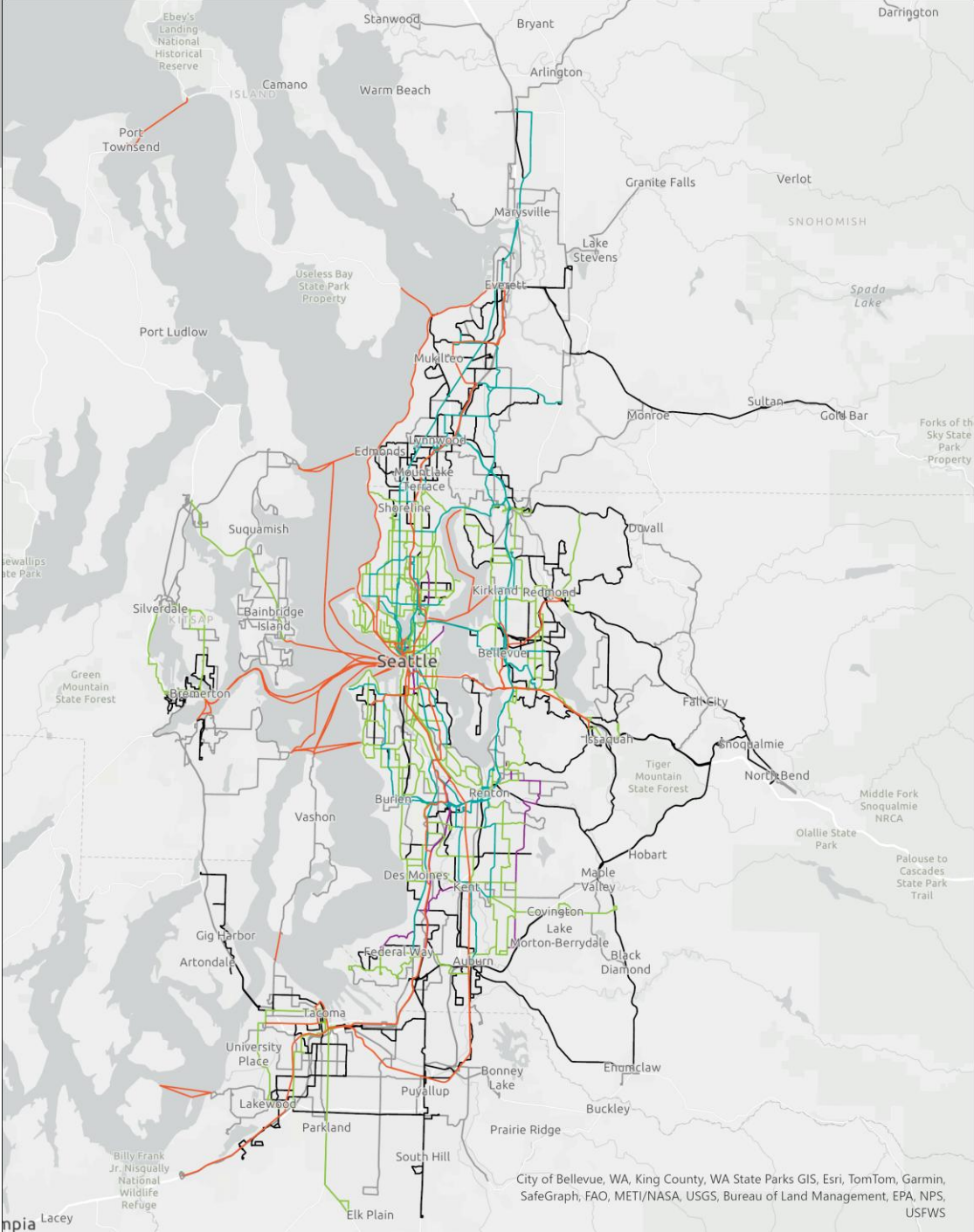
Transit: Scenario 2a

Metric	Today	Scenario #2a	Change
Transit Routes			
Total Routes	307	319	12
Local Routes	104	107	3
All-Day Routes	28	66	38
Frequent Routes	43	47	4
BRT Routes	11	22	11
High-Capacity Transit Routes	27	36	9
Regional Transit Metrics			
Annual Revenue-Hours	7,517,640	12,874,000	71%
Annual Boardings	173,324,000	530,798,000	206%
Daily Transit Trips	351,000	1,036,000	195%
People in Transit Supportive Densities without Supportive Transit			
Gap near Local Transit	948,000	1,324,000	376,000
Gap near All-Day Transit	444,000	661,000	217,000
Gap near Frequent Transit	60,000	248,000	188,000
Gap near High-Capacity Transit	91,000	412,000	321,000



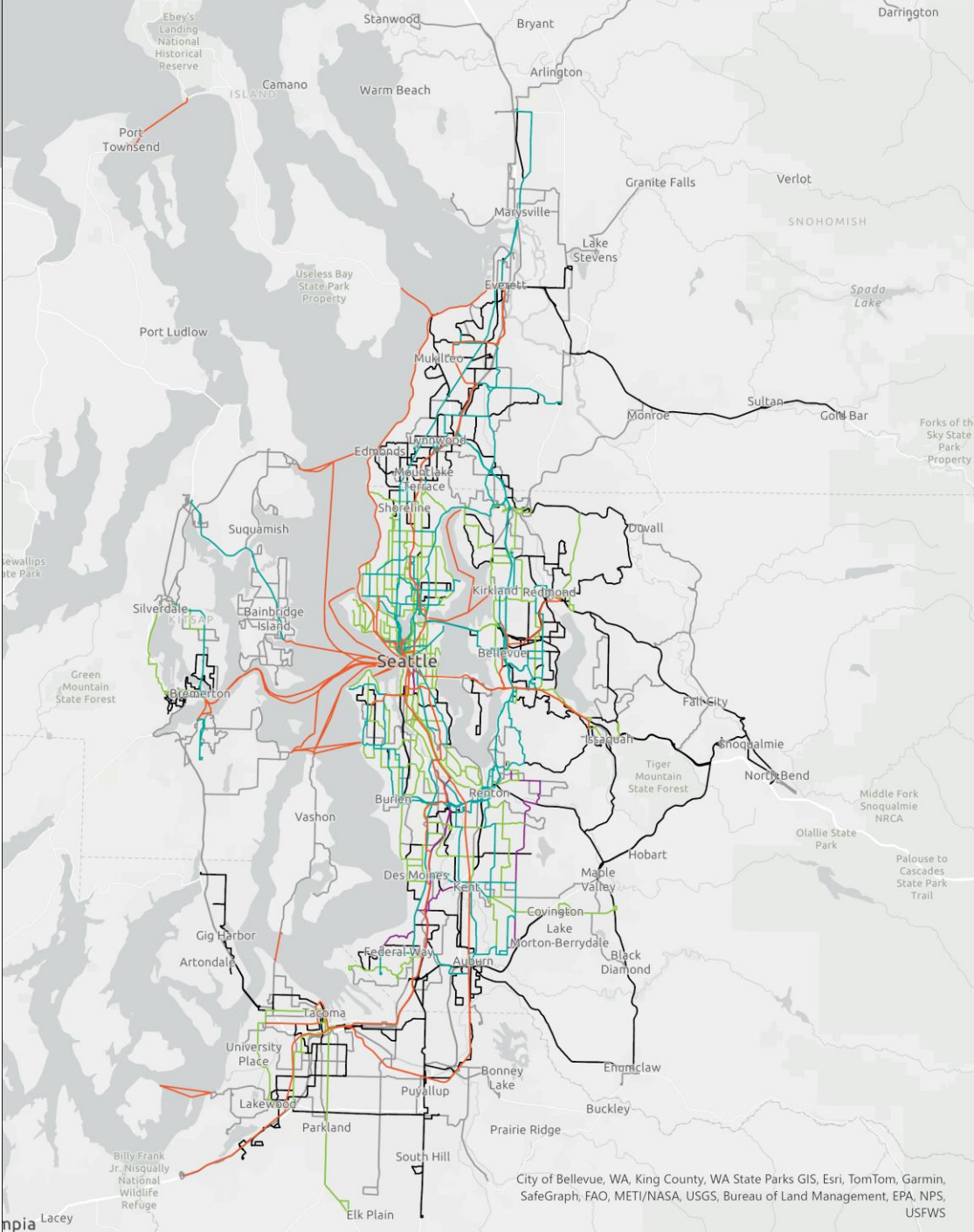
Transit: Scenario 2b

Metric	Today	Scenario #2b	Change
Transit Routes			
Total Routes	307	319	12
Local Routes	104	183	79
All-Day Routes	28	75	47
Frequent Routes	43	90	47
BRT Routes	11	22	11
High-Capacity Transit Routes	27	36	9
Regional Transit Metrics			
Annual Revenue-Hours	7,517,640	14,278,000	90%
Annual Boardings	173,324,000	531,423,000	207%
Daily Transit Trips	351,000	1,032,000	194%
People in Transit Supportive Densities without Supportive Transit			
Gap near Local Transit	948,000	639,000	-309,000
Gap near All-Day Transit	444,000	651,000	207,000
Gap near Frequent Transit	60,000	105,000	45,000
Gap near High-Capacity Transit	91,000	412,000	321,000



Transit: Scenario 3

Metric	Today	Scenario #3	Change
Transit Routes			
Total Routes	307	319	12
Local Routes	104	183	79
All-Day Routes	28	76	48
Frequent Routes	43	93	50
BRT Routes	11	34	23
High-Capacity Transit Routes	27	36	9
Regional Transit Metrics			
Annual Revenue-Hours	7,517,640	14,407,000	92%
Annual Boardings	173,324,000	531,422,000	207%
Daily Transit Trips	356,000	1,028,000	193%
People in Transit Supportive Densities without Supportive Transit			
Gap near Local Transit	948,000	639,000	-309,000
Gap near All-Day Transit	444,000	649,000	205,000
Gap near Frequent Transit	60,000	105,000	45,000
Gap near High-Capacity Transit	91,000	412,000	321,000



Comparison of transit across scenarios

Metric	Scenario #1	Scenario #2a	Scenario #2b	Scenario #3
Percentage above Today				
Transit Service Hours	53.4%	71.4%	90.0%	91.5%
Transit Trips	183.7%	191.3%	189.9%	188.8%
Total increase in people within 1/4 mile of High-Capacity Transit				
Total People	109,000	127,000	127,000	178,000
People of Color	219,000	250,000	250,000	303,000
People with Lower Incomes	191,000	222,000	222,000	267,000
People with Limited English	174,000	203,000	203,000	244,000
People with a Disability	170,000	201,000	201,000	242,000
Older adults	132,000	147,000	147,000	174,000
Youth	50,000	67,000	67,000	92,000
Transit Supportive Densities and Gaps in Service				
Gap within 1/4 mile of Local Transit	1,408,000 (33%)	1,324,000 (31%)	639,000 (15%)	639,000 (15%)
Gap within 1/4 mile of All-Day Transit	719,000 (28%)	661,000 (26%)	651,000 (25%)	649,000 (25%)
Gap within 1/4 mile of Frequent Transit	298,000 (17%)	248,000 (14%)	105,000 (6%)	105,000 (6%)
Gap within 1/4 mile of High-Capacity Transit	412,000 (33%)	412,000 (33%)	412,000 (33%)	412,000 (33%)

