

Transportation 2040

Update to the Regional Transportation Plan

A Conversation on Regional Transportation

Washington State Transportation Commission
April 21, 2009



Puget Sound Regional Council

The Region:

- 4 counties
- 82 cities and towns
- Hundreds of special districts

PSRC Responsibilities:

- Regional Growth, Economic and Transportation Planning
- Federal transportation funds to priority projects
- Regional data and forecasts
- Forum for regional issues
- Prosperity Partnership



Federal MPO



State RTPO

Draft

PSRC Transportation Planning and Funding

Transportation Planning:

- State highways, HOV, ferries, rail, freight
- Regional highways, transit, aviation, freight
- Local streets, roads and transit
- Bicycle and pedestrian facilities
- Operations and system management
- Travel demand strategies

Funding:

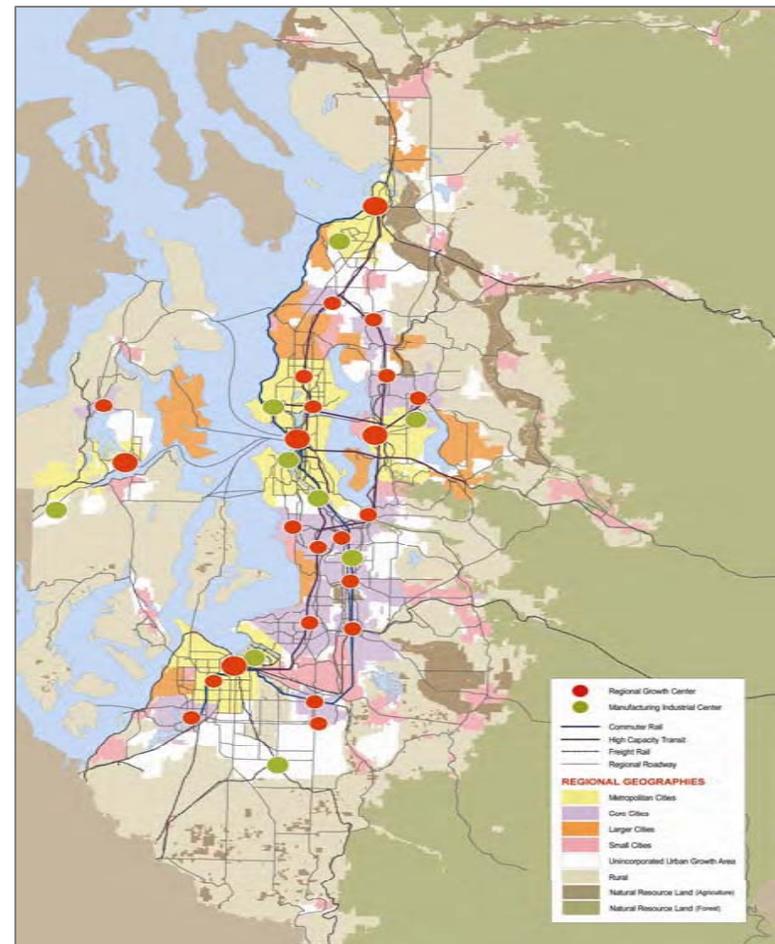
- Federal funds flow from the Highway Trust Fund through SAFETEA-LU to each state by formulas
- PSRC Receives \$160 Million annually through SAFETEA-LU Programs
 - Surface Transportation Program (STP)
 - Congestion Mitigation Air Quality (CMAQ)
 - Federal Transit Administration (FTA)

Transportation 2040

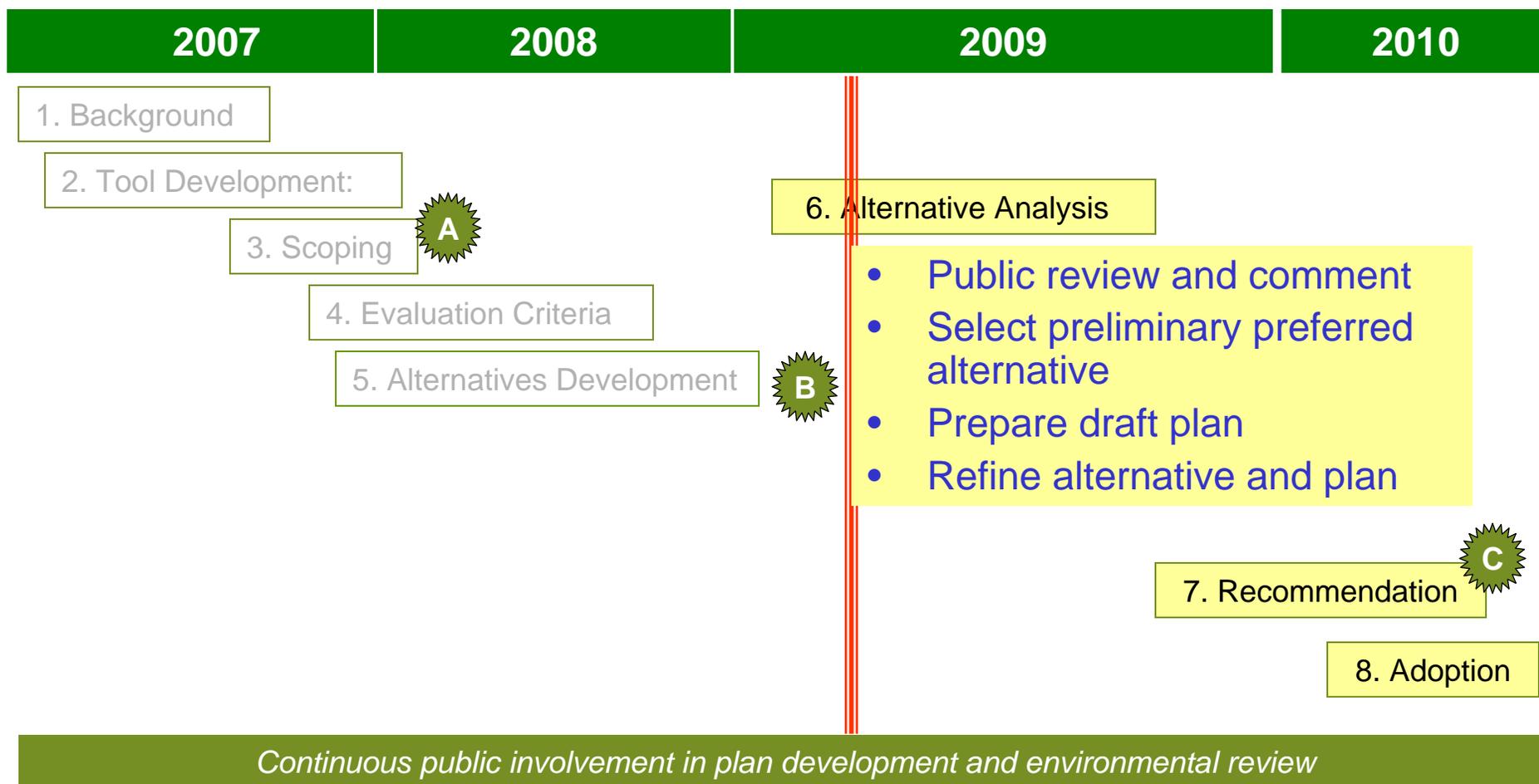
Objectives:

- Align with **VISION 2040** and the **Regional Economic Strategy**.
- Respond to the **2040** growth forecasts for person and freight travel demand.
- Make progress on the **major transportation system issues** facing the region and inform near- term project decisions.
- Create a sustainable financial strategy

Regional Growth Strategy



TRANSPORTATION 2040 – Schedule



Key Decision Points

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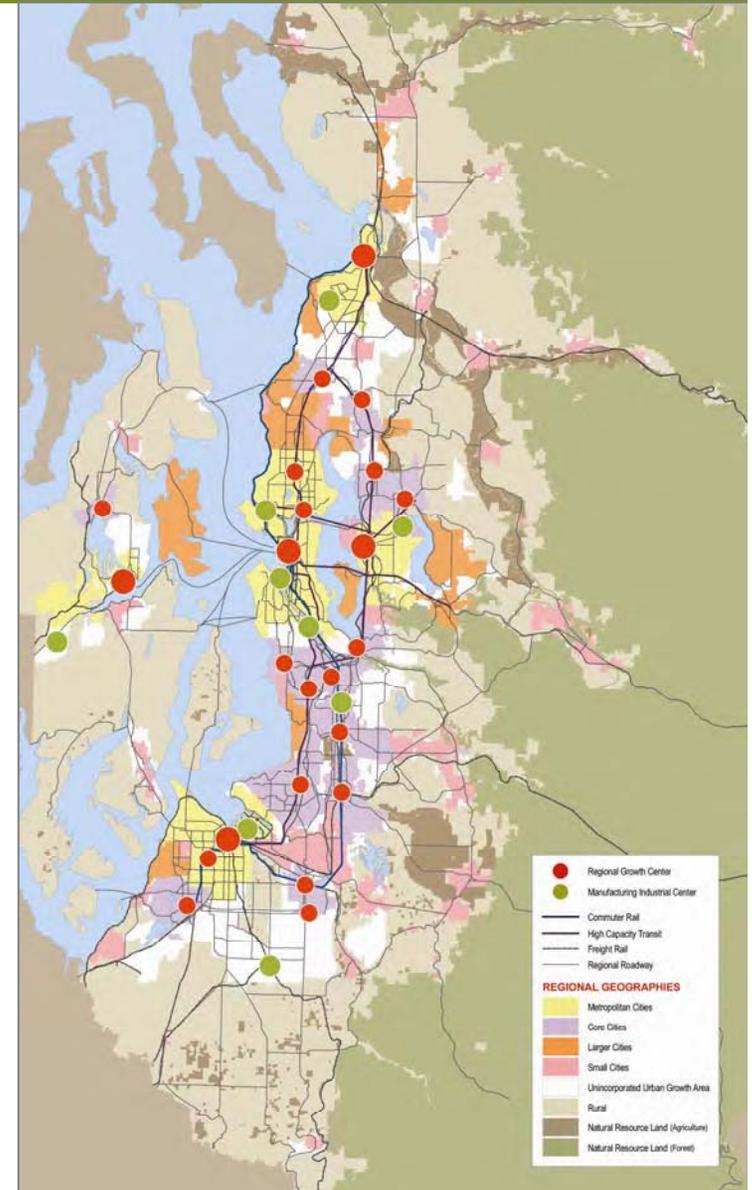
Background

PSRC Region – A Snapshot (2006)

Population (2006):	3,500,000
Daily VMT:	82,000,000
(VMT = Vehicle Miles Traveled)	
Daily per capita VMT:	22
Av. Daily transit riders (est.):	392,000
Registered vehicles:	3,400,000

Traveling to work trips –

• Single Occupant Vehicle:	70%
• Carpool/vanpool:	12%
• Transit:	8%
• Walk/bike:	5%
• Work at home/other	5%



PSRC Region – A Snapshot (2006)

Roadway System (lane miles) –

- Freeways (GP lanes): 1,980
 - Freeways (HOV lanes): 215
 - Arterials (GP lanes): 9,879
 - Arterials (HOV lanes): 24
-

Park & Ride stalls: 38,000

Annual air passengers: 31,000,000

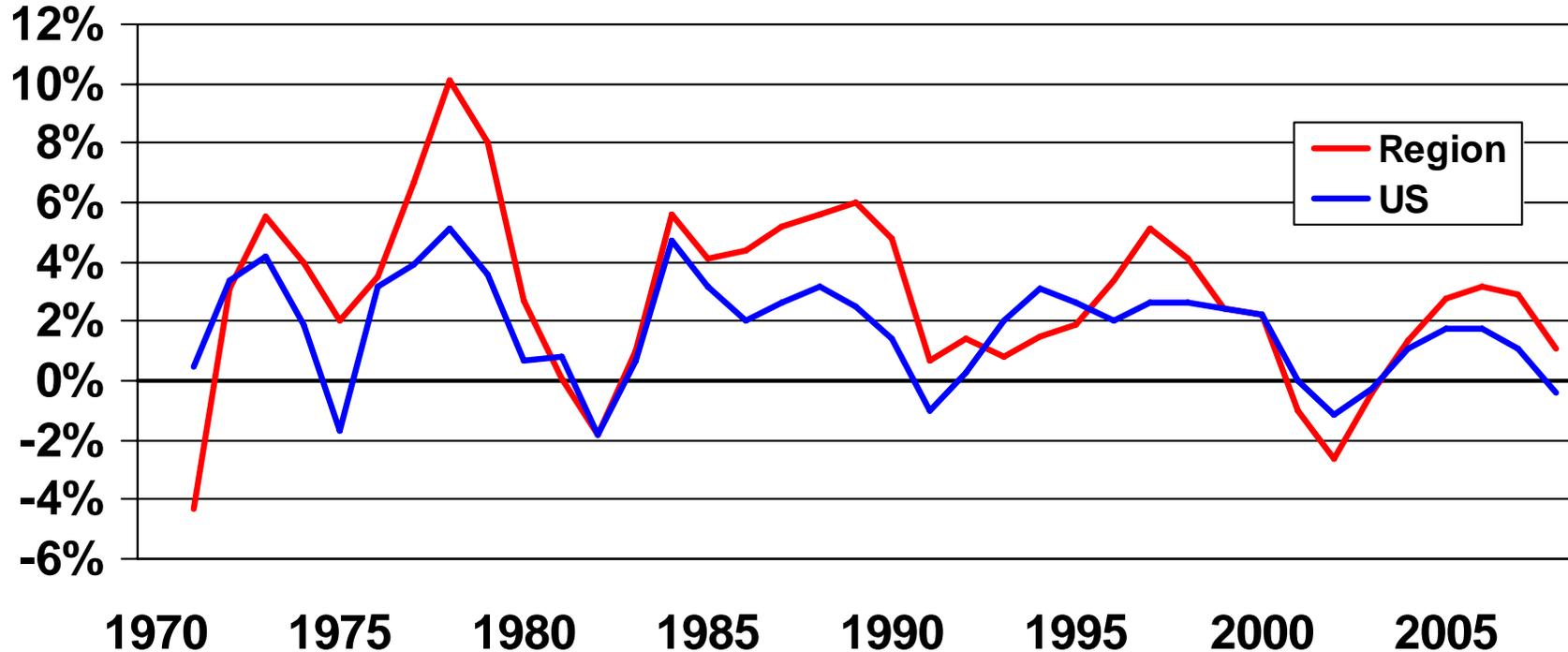
Annual ferry riders: 24,000,000

(State ferry system – vehicles plus passengers)



Annual Employment Change (1970-2008)

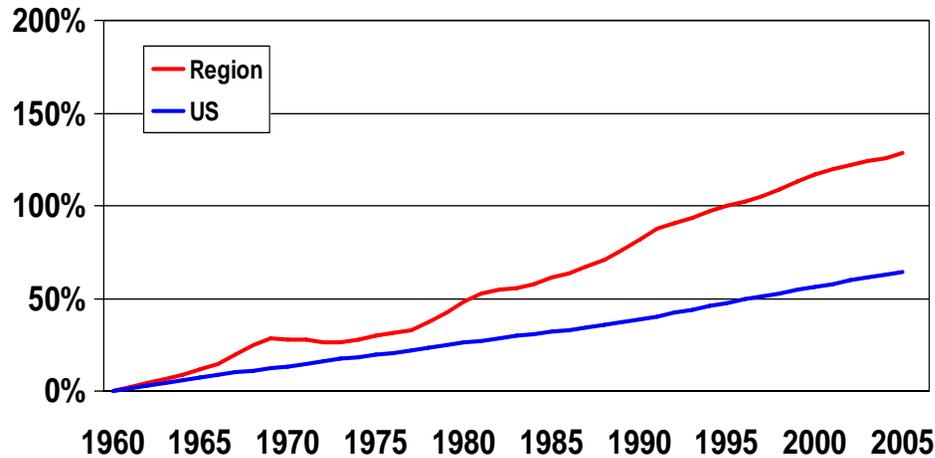
Regional annual employment growth rates have mirrored national rates



Source: US Bureau of Labor Statistics, Washington State Employment Securities Department

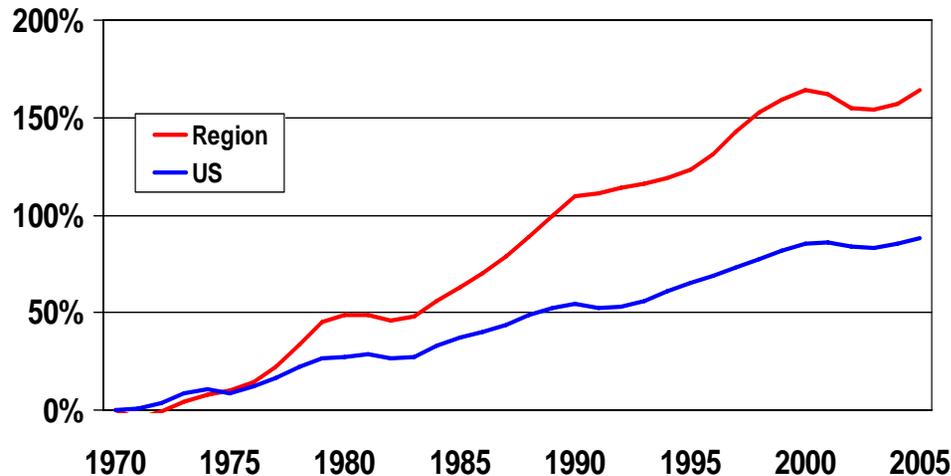
Population & Employment Growth

Population



Population and Employment have both grown faster than the national average.

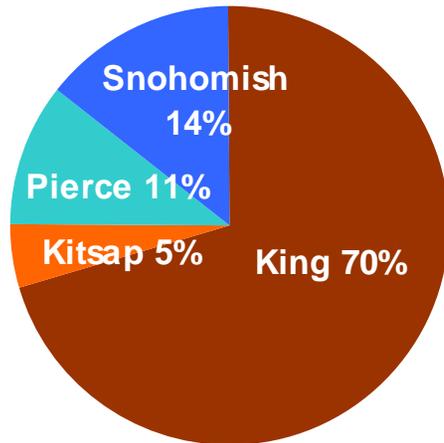
Employment



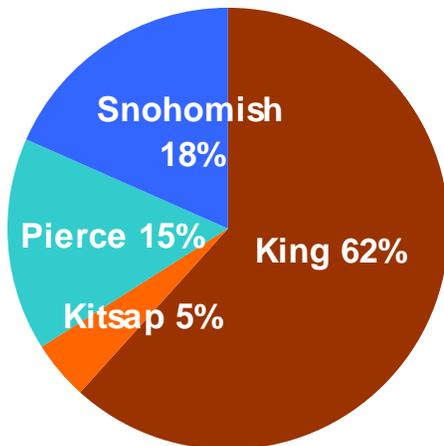
Regional Population and Employment Change by County

Share of Regional Job Change

1970-2000

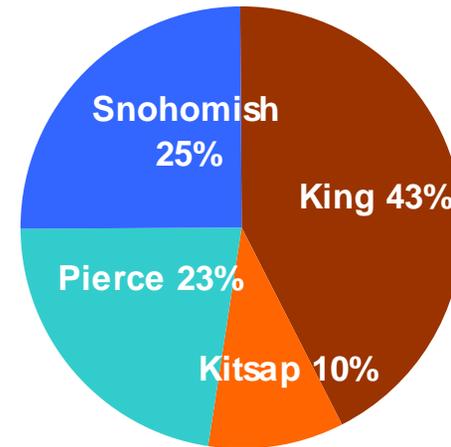


2000-2040

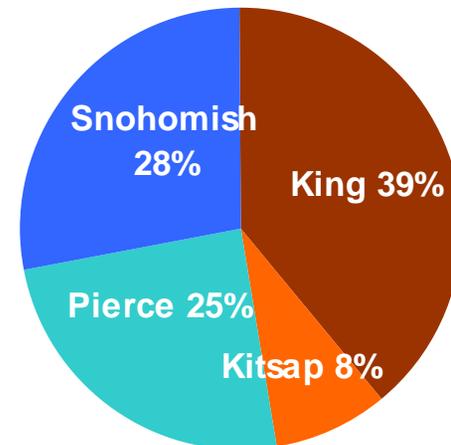


Share of Regional Population Change

1970-2000



2000-2040



Regional Growth, 1970-2000:

King County –

- 70% of new jobs
- 43% of new people

Pierce County –

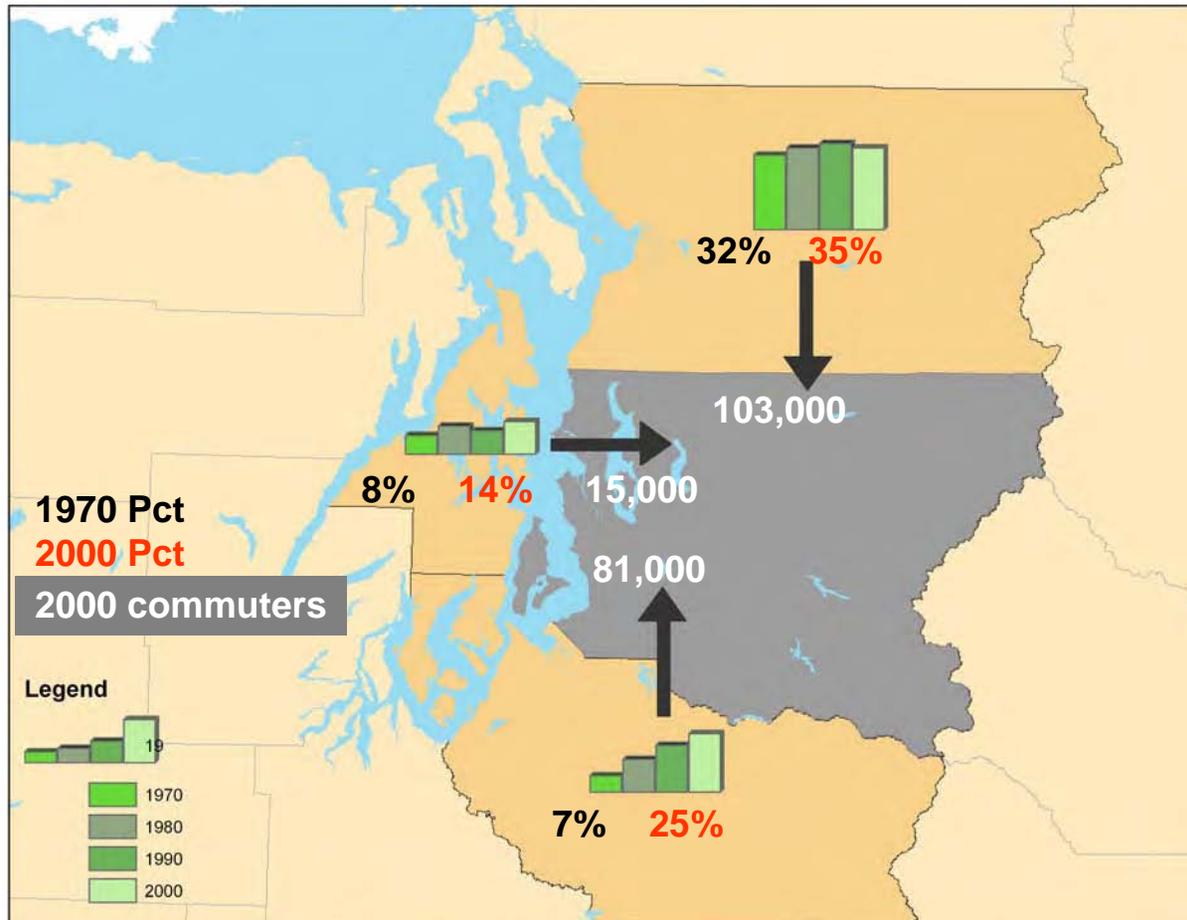
- 11% of new jobs
- 23% of new people

Result:

More workers commuting into King County

Percent of Each County's Workforce Who Commute to King County (1970-2000)

More of the region's workforce is commuting to King County



Snohomish County:
One worker in three commutes into King County

Pierce County:
One worker in four commutes into King County

Kitsap County:
One worker in seven commutes into King County

Source: 1970, 2000 Census Journey to Work

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Comparison of Regional Geographies

Seattle



Portland



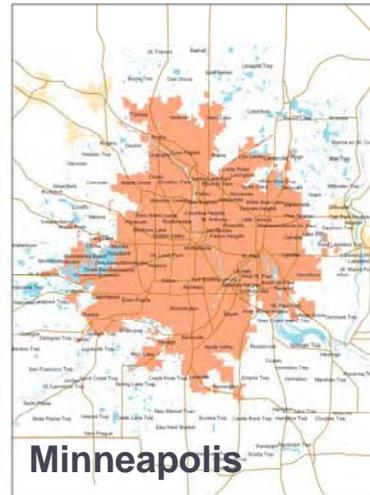
San Diego



San Francisco

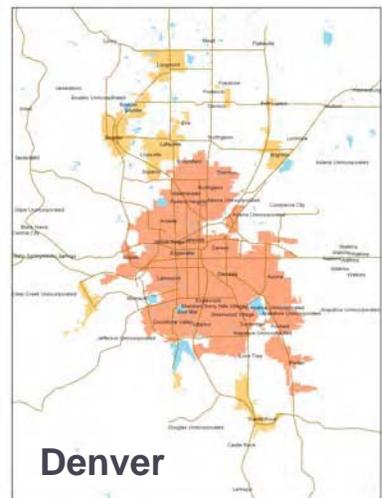
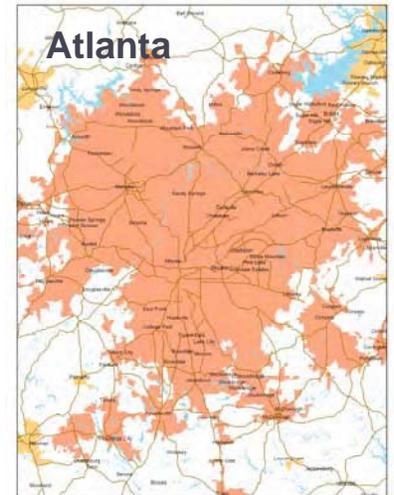


Phoenix



Minneapolis

Atlanta



Denver

Vancouver BC



Rankings

Population

San Francisco
Atlanta
Phoenix
San Diego
SEATTLE
Minneapolis
Denver
Vancouver BC
Portland

Population Density

San Diego
San Francisco
Portland
Phoenix
Denver
SEATTLE
Minneapolis
Atlanta

Rate of Growth

Phoenix
Atlanta
San Diego
Vancouver BC
Portland
Denver
SEATTLE
Minneapolis
San Francisco

Delay

San Francisco
Atlanta
San Diego
Denver
Phoenix
SEATTLE
Minneapolis
Portland

Home Ownership Affordability

Atlanta
Minneapolis
Denver
Portland
Phoenix
SEATTLE
Vancouver BC
San Diego
San Francisco

Non-SOV Commutes

Vancouver BC
San Francisco
SEATTLE
Portland
Phoenix
San Diego
Denver
Atlanta
Minneapolis



Critical Issues

Major Factors Shaping Transportation 2040

Sustainable Funding –

- New sources of revenue
- Reliable, predictable, sufficient

Environment –

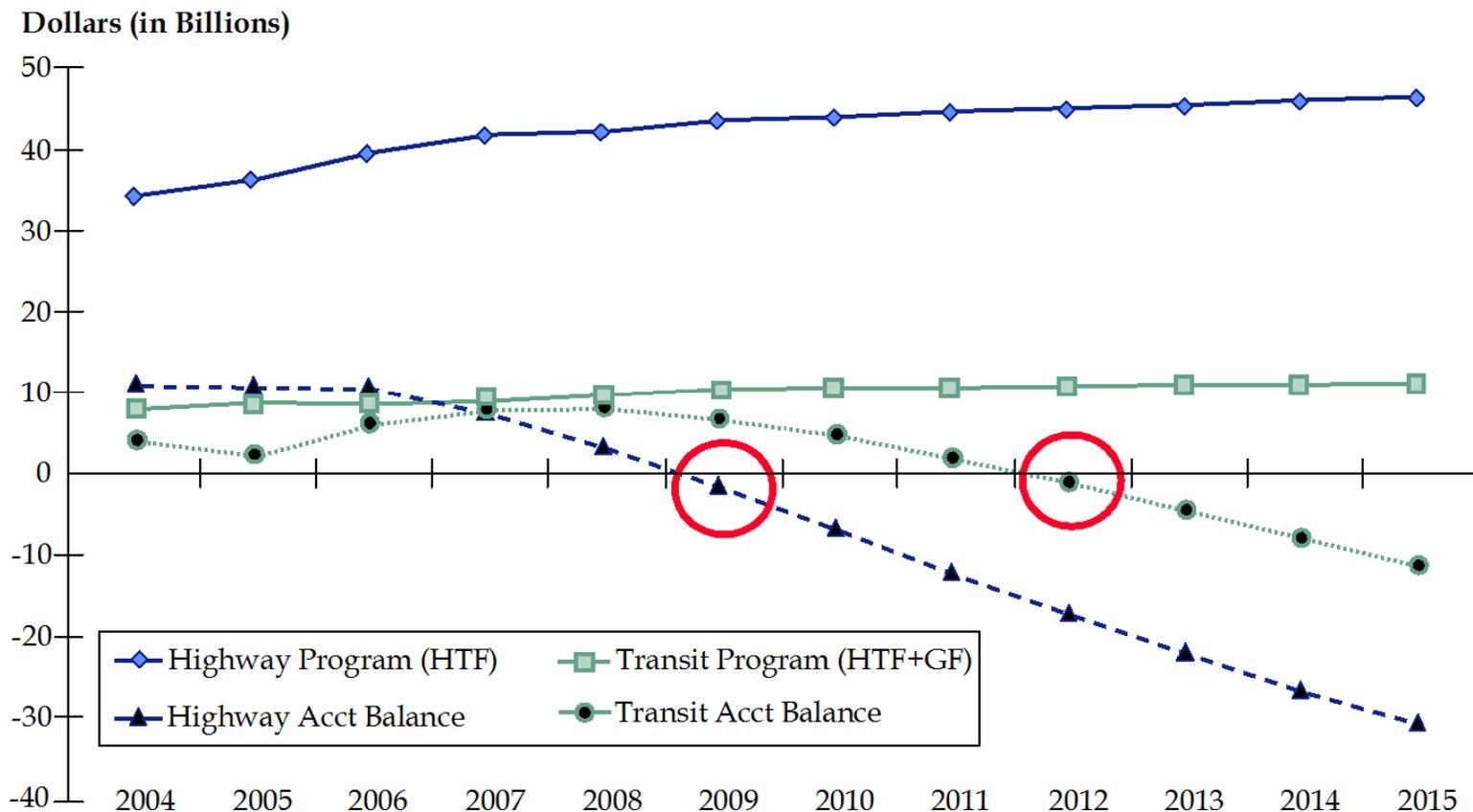
- Climate change
- Puget Sound water quality

Congestion and Mobility –

- Regional economic vitality
- Mobility for people and goods movement

Transportation Funding: The Federal Picture

Federal revenues in 2009 will be inadequate to meet SAFETEA-LU spending guarantees (pre ARRA)

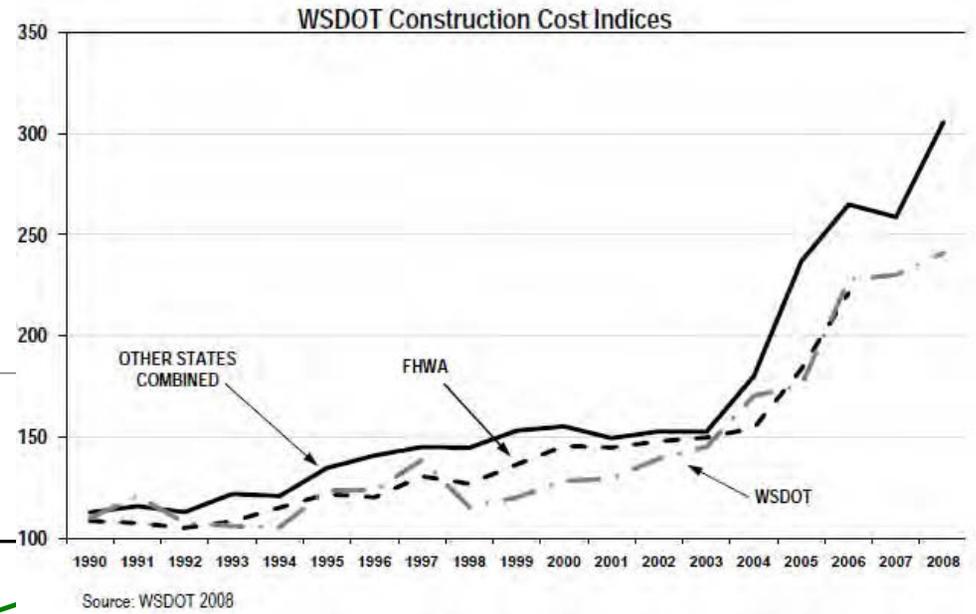
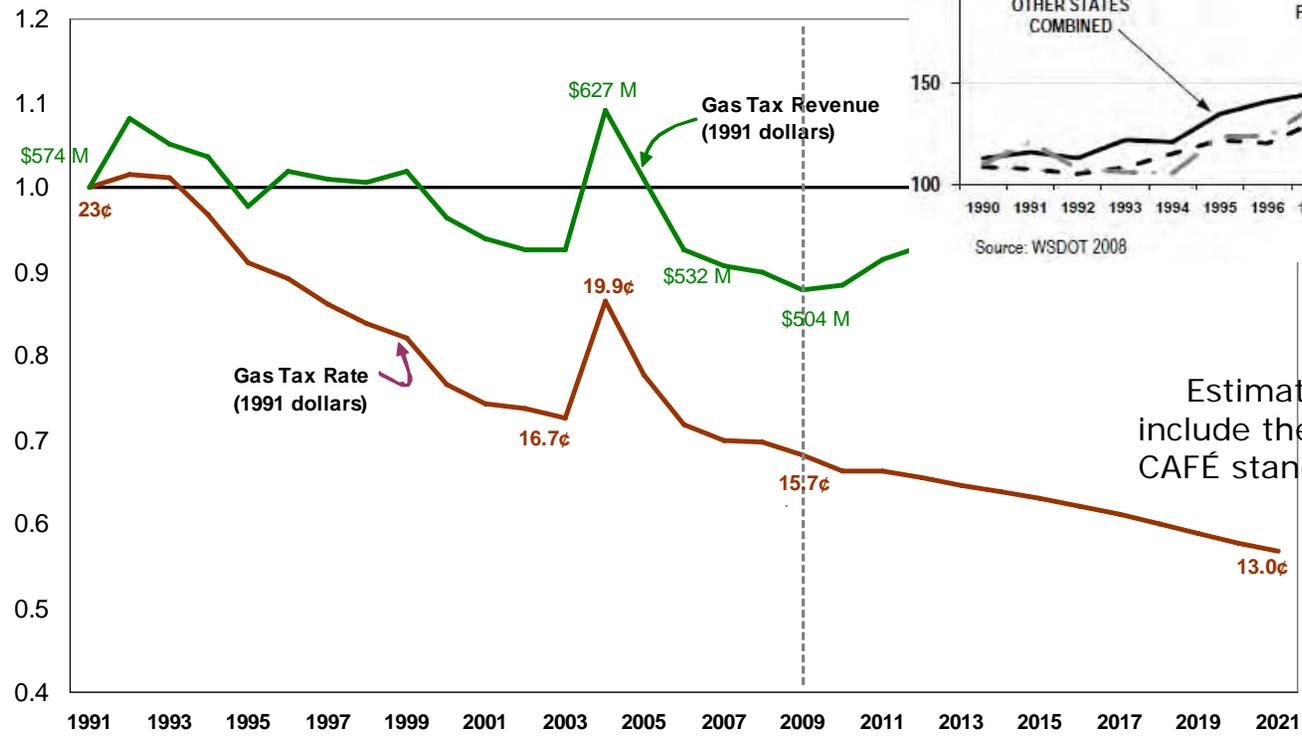


Appropriation of Funds - The American Recovery and Reinvestment Act of 2009 (ARRA)
appropriates \$27,500,000,000 from the General Fund of the Treasury.

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Transportation Funding: The State Gas Tax

Growth Rates Compared: Gas Tax Revenue, and Gas Tax Rate in 1991 Dollars



Estimates include the new CAFÉ standards

Revenue - Sources of Funds

2005 Sources of Transportation Funds (2008 Dollars)

Example:

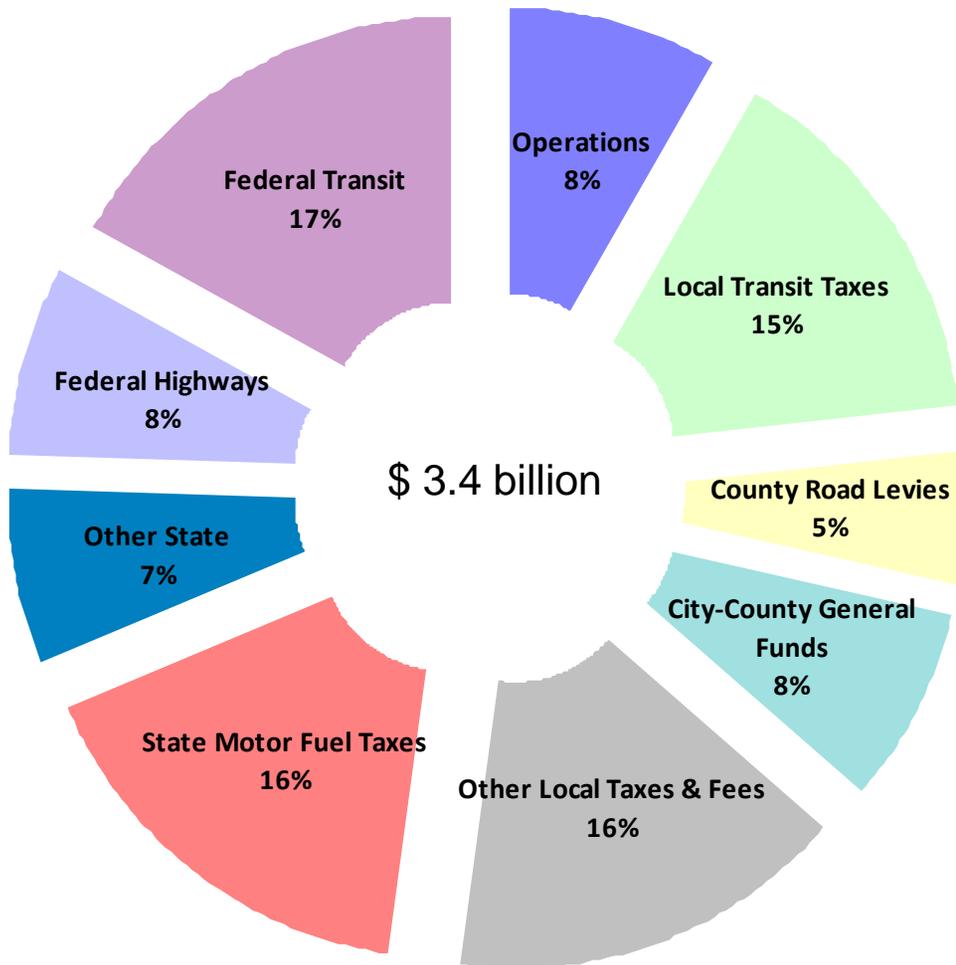
While the sources on transportation funding will vary by year the region received about \$3.4 billion in 2005.

Federal: 25%

State: 23%

Local: 44%

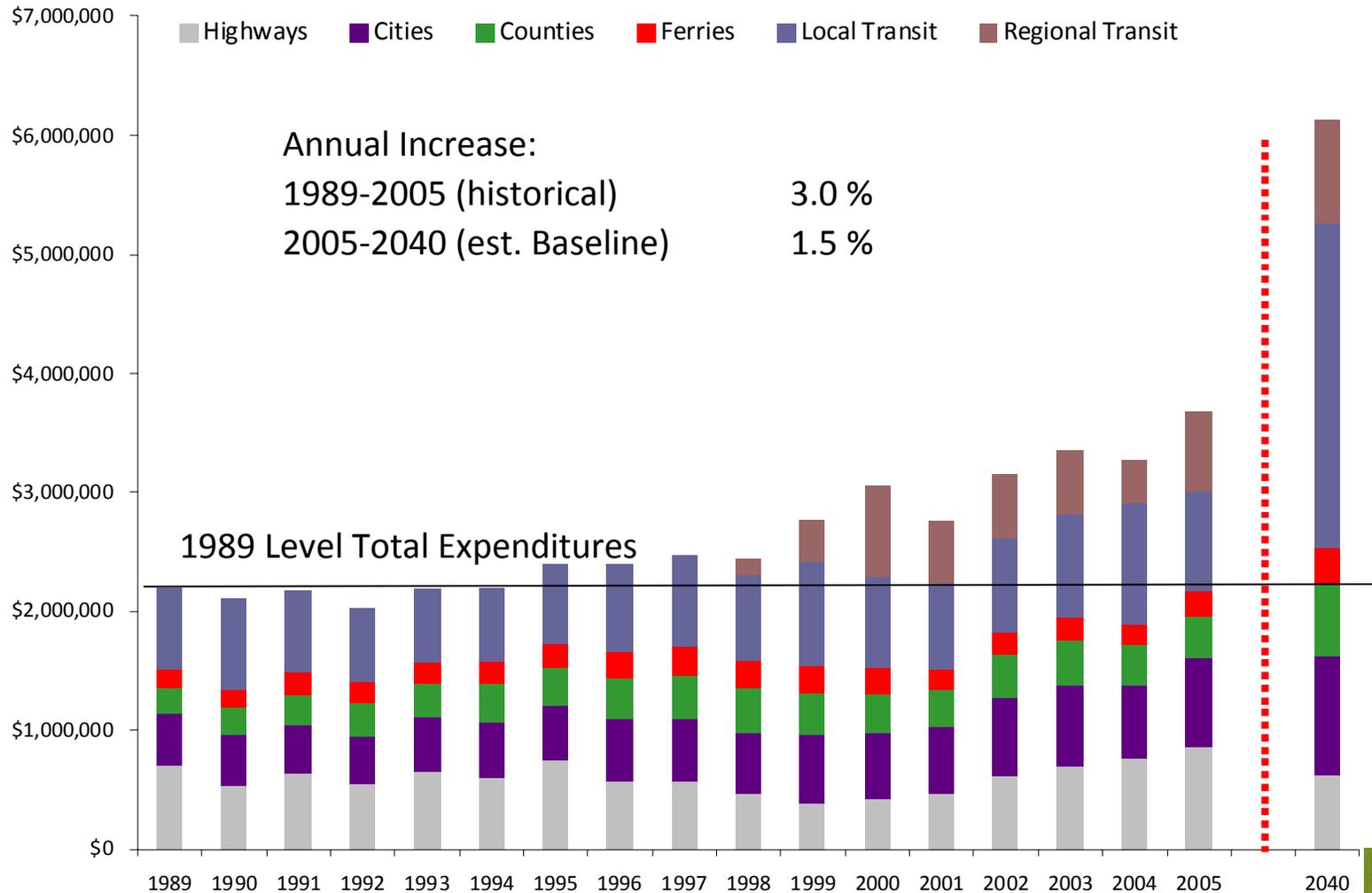
Fare Box: 8%



Transportation Expenditures

Historical (1989-2005) and Baseline Estimate (2040)

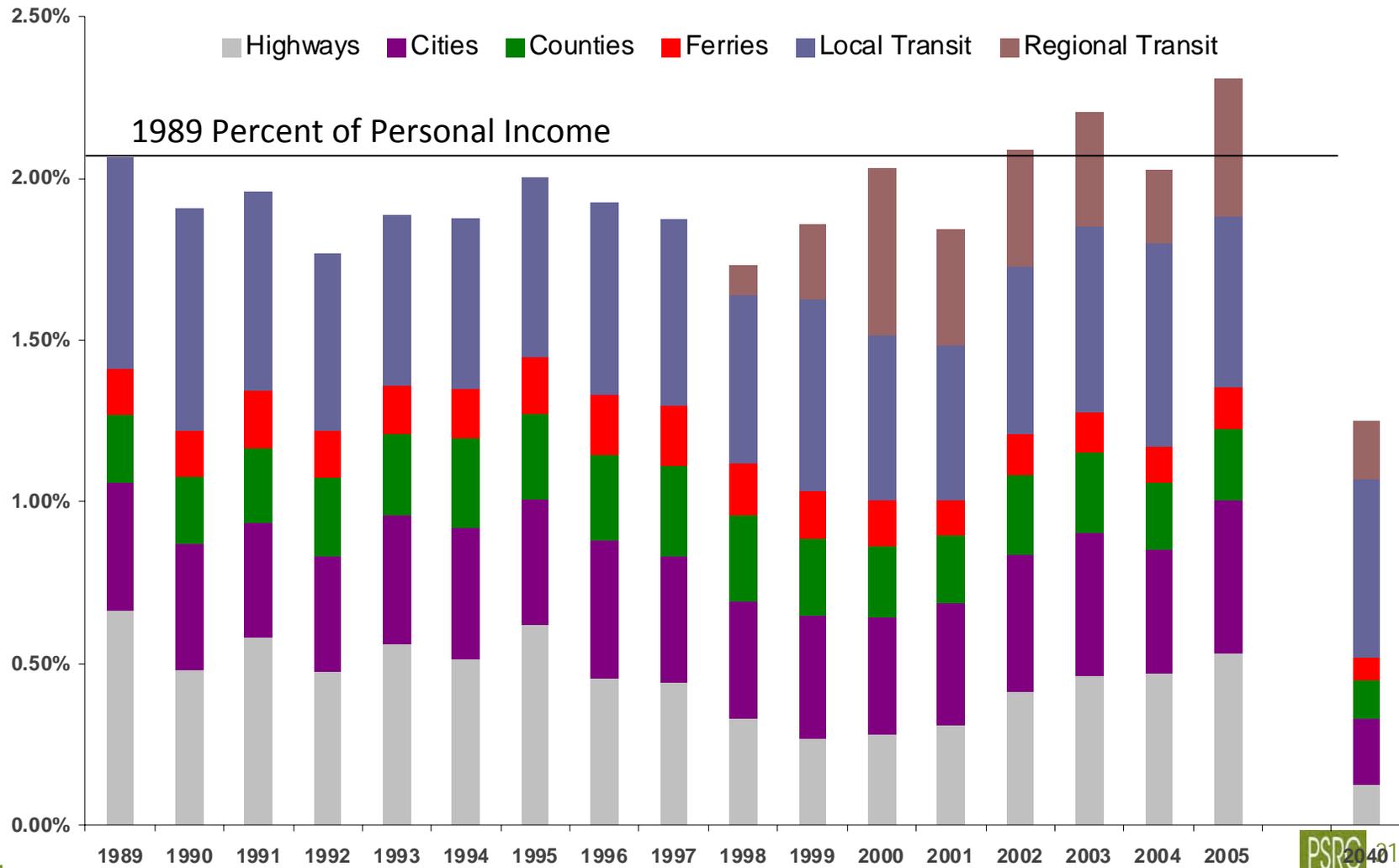
Transportation Expenditures in the Central Puget Sound Region (thous. 2008 Dollars)



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Public Transportation Expenditures Percent of Personal Income

Transportation Expenditures as a Percent of Regional Personal Income (1989 - 2005)

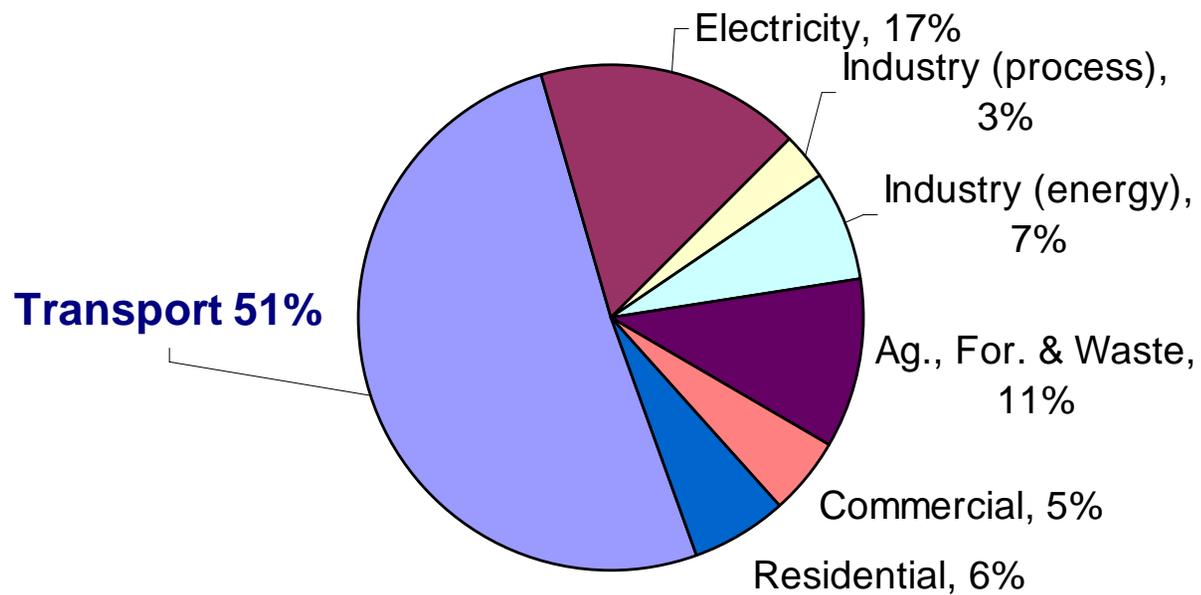


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Climate Change and Transportation 2040

Why is climate change important to consider in the Transportation 2040 Update?

2002 Greenhouse Gas Emissions for the Puget Sound Region



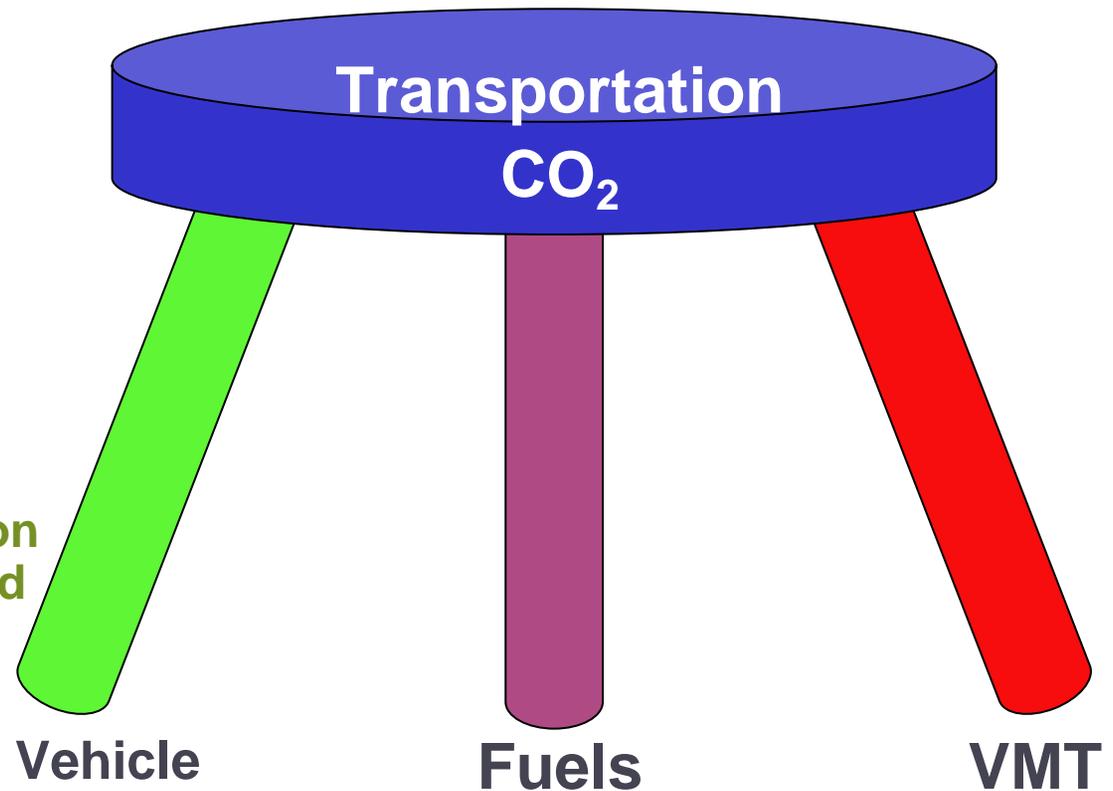
Source: Puget Sound Clean Air Agency

Emission Reductions from Transportation – Three Key Components

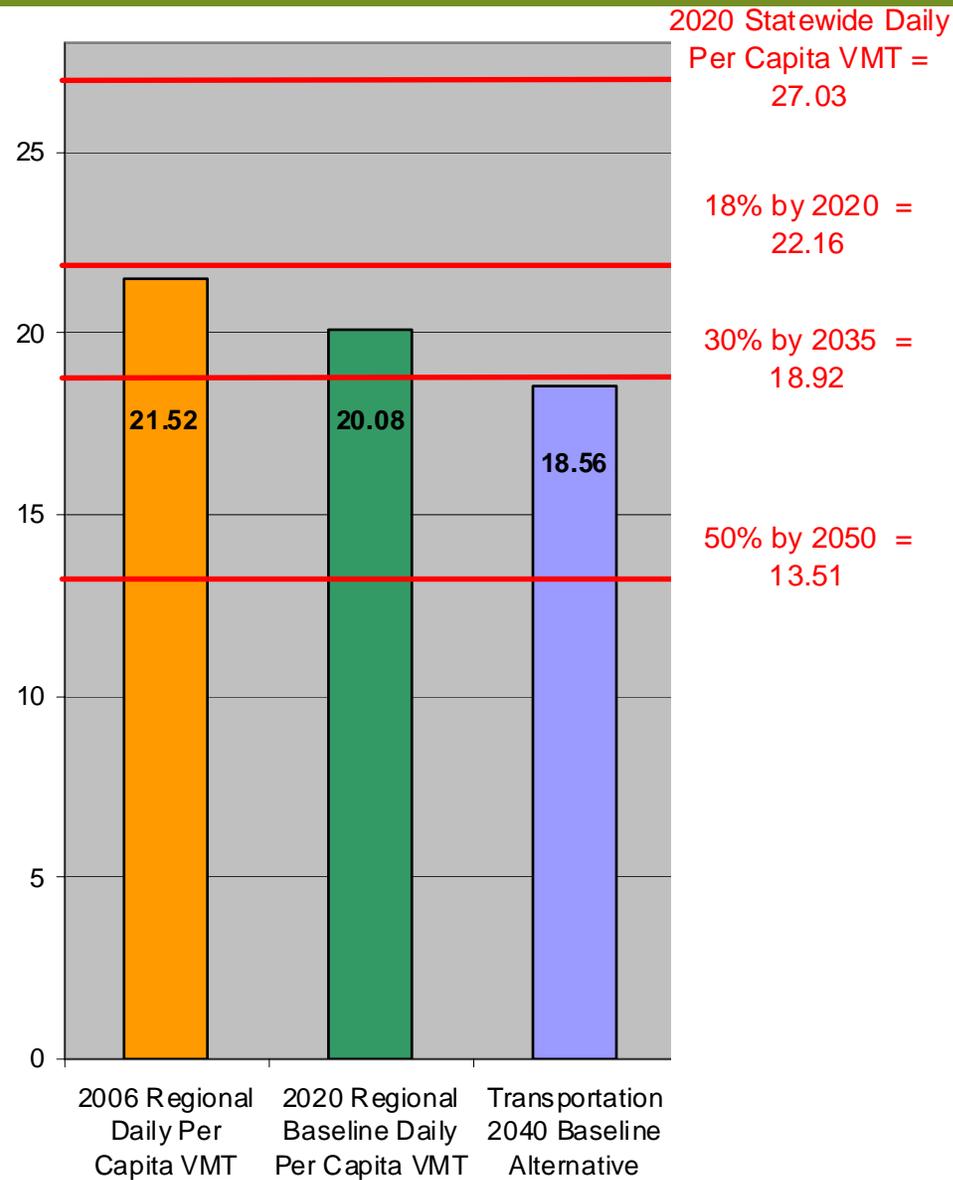
Vehicles: Improved fuel economy, alternative technologies (hybrid, electric, fuel cell)

Fuels: Low carbon fuels, biodiesel

VMT: Vehicle travel reduction through transit, bicycle/pedestrian investments, transportation demand management, land use, system efficiencies, pricing



Comparison to State VMT Per Capita Benchmarks

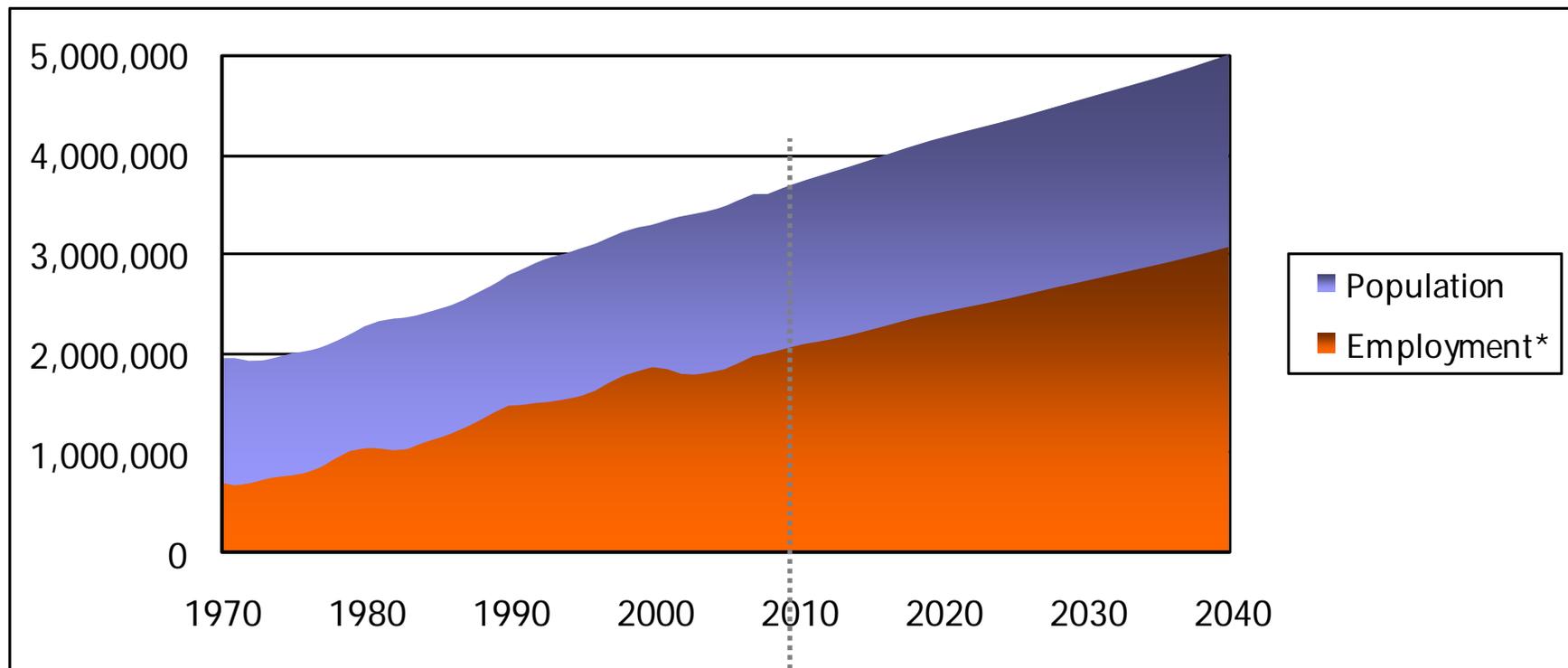


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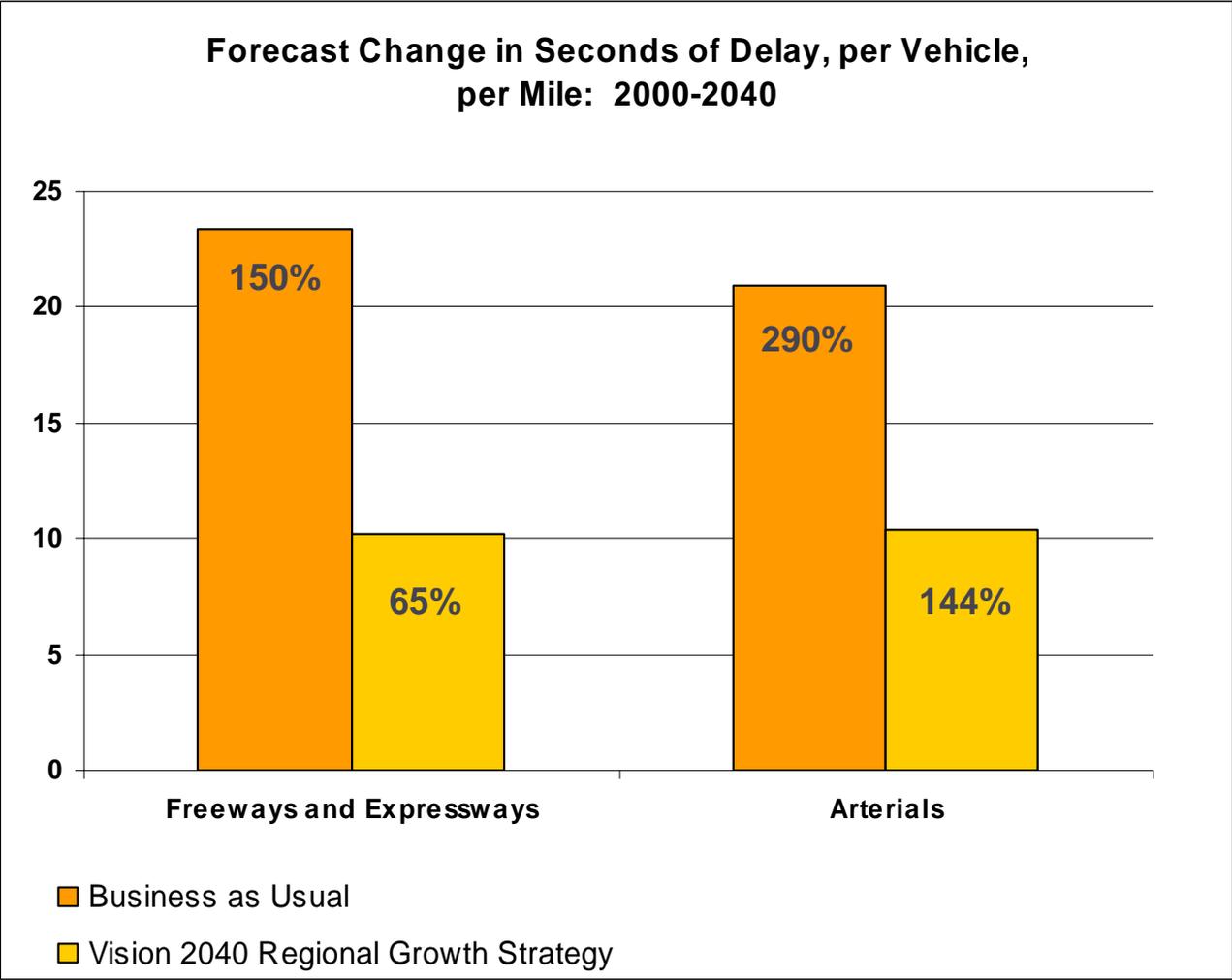
Regional Forecast of Population and Jobs

Expecting to add 1.4 million people and 1.1 million jobs by 2040

- Smaller household sizes
- Older population
- Fewer households with children
- Different travel needs & preferences



Growing Congestion and Mobility Issues



Smaller increases in key travel variables forecast under the Regional Growth Strategy

Source: PSRC, VISION 2040 EIS * Growth Targets Extended Alternative

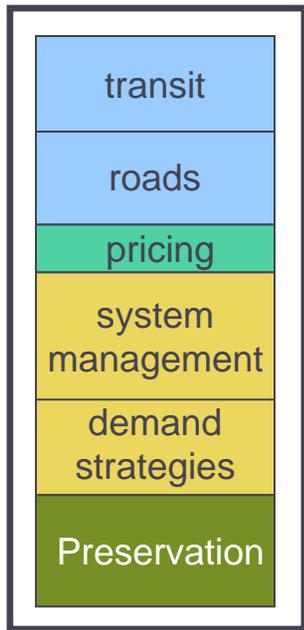
Alternatives

Organizing Framework

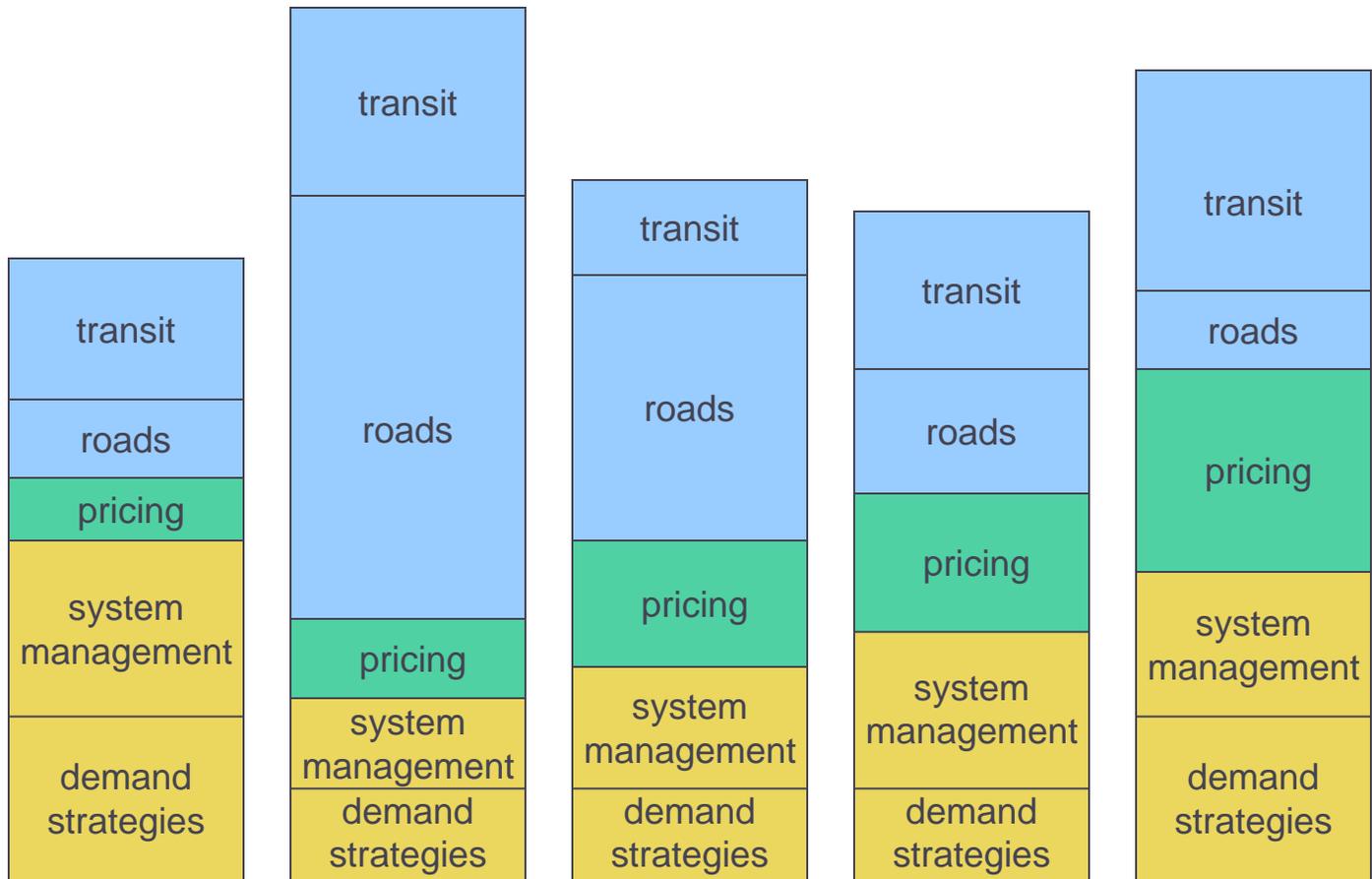
Range of alternative concepts that represents:

- Different constituent group interests
- A SEPA process with a broad range of alternatives and environmental impacts
- A range of financing and investment strategies
 - Toll revenues will be directed toward transportation investments that improve travel in the corridor that they are collected in
- A series of transportation strategies that could be implemented over time (phased)
- An integrated package of investments

Components of the Plan Alternatives



Baseline



Core Concepts apply to all alternatives: Safety, Security, Special Needs, etc.

Alt. 1

Alt. 2

Alt. 3

Alt. 4

Alt. 5

Baseline Alternative Assumptions

Finance

- “Current Law” Revenue Forecast to 2040

Preservation

- All current capacity will be maintained *
- Roadway System
- Current (4-lane 520 bridge, current AWW) *plus* funded future investments (I-405 Nickel/TPA, some SR 99 HOV/BAT, etc.)

Regional Transit

- Current *plus* funded future investments
Phases 1 & 2 of Sound Transit (Sound Move & ST2)

Local Transit

- Current *plus* KC “Rapid Ride,” CT “Swift”, and very minor service expansion in some areas

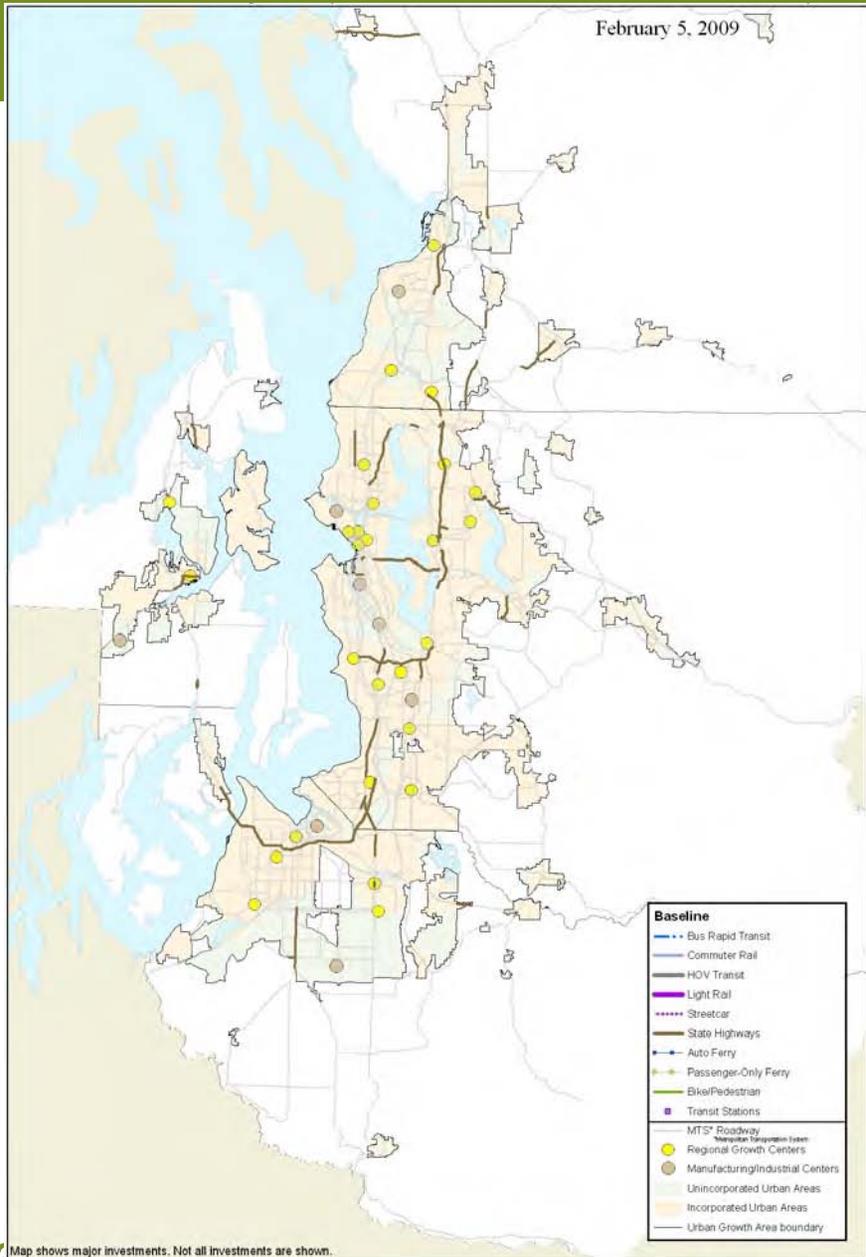
Ferries

- Existing WSF service *plus* KC Passenger-Only
- HOV practice (2+, 3+)
- Existing practice through 2020; change to 3+ after 2020

Baseline

* Financial Strategy will Need to Identify Necessary Funding

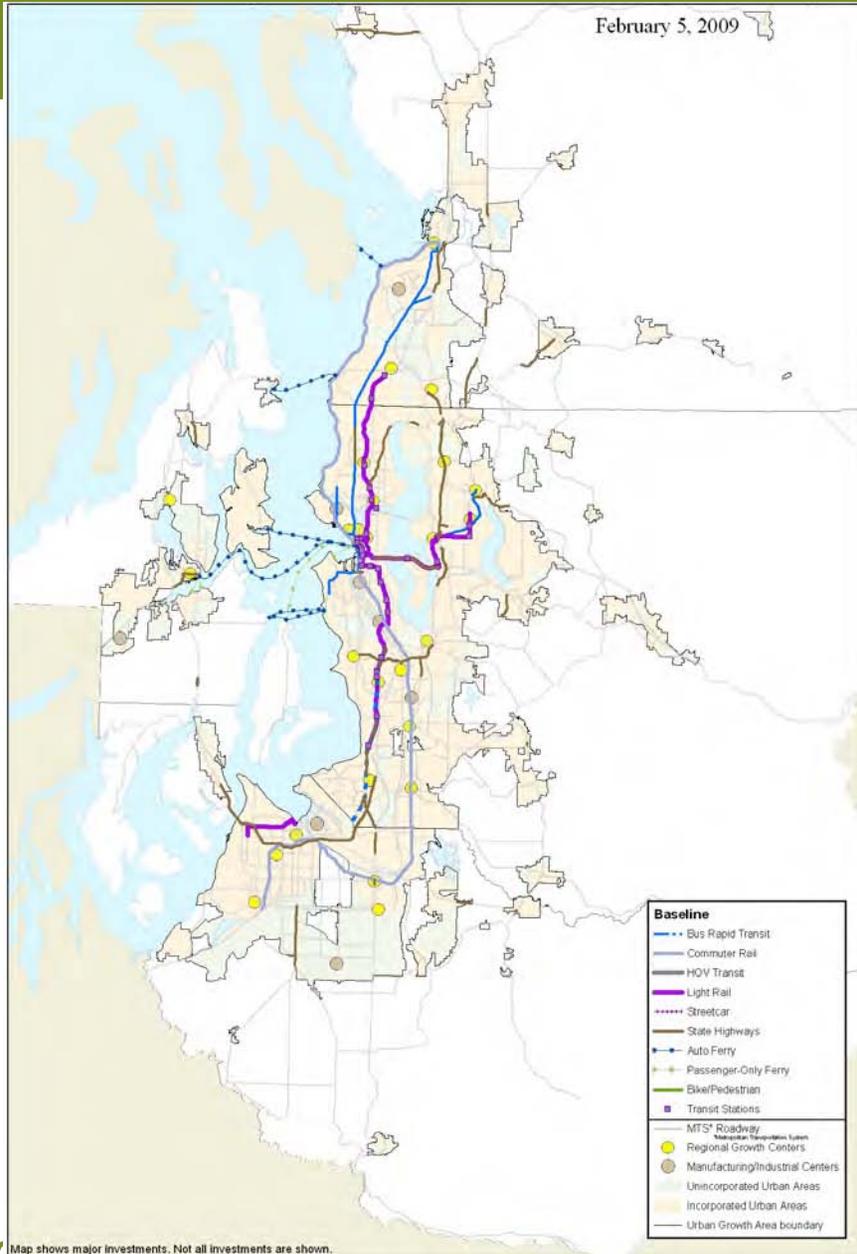
Baseline



Build Funded Projects
(No Action Alternative under SEPA)

Highway Improvements

Baseline



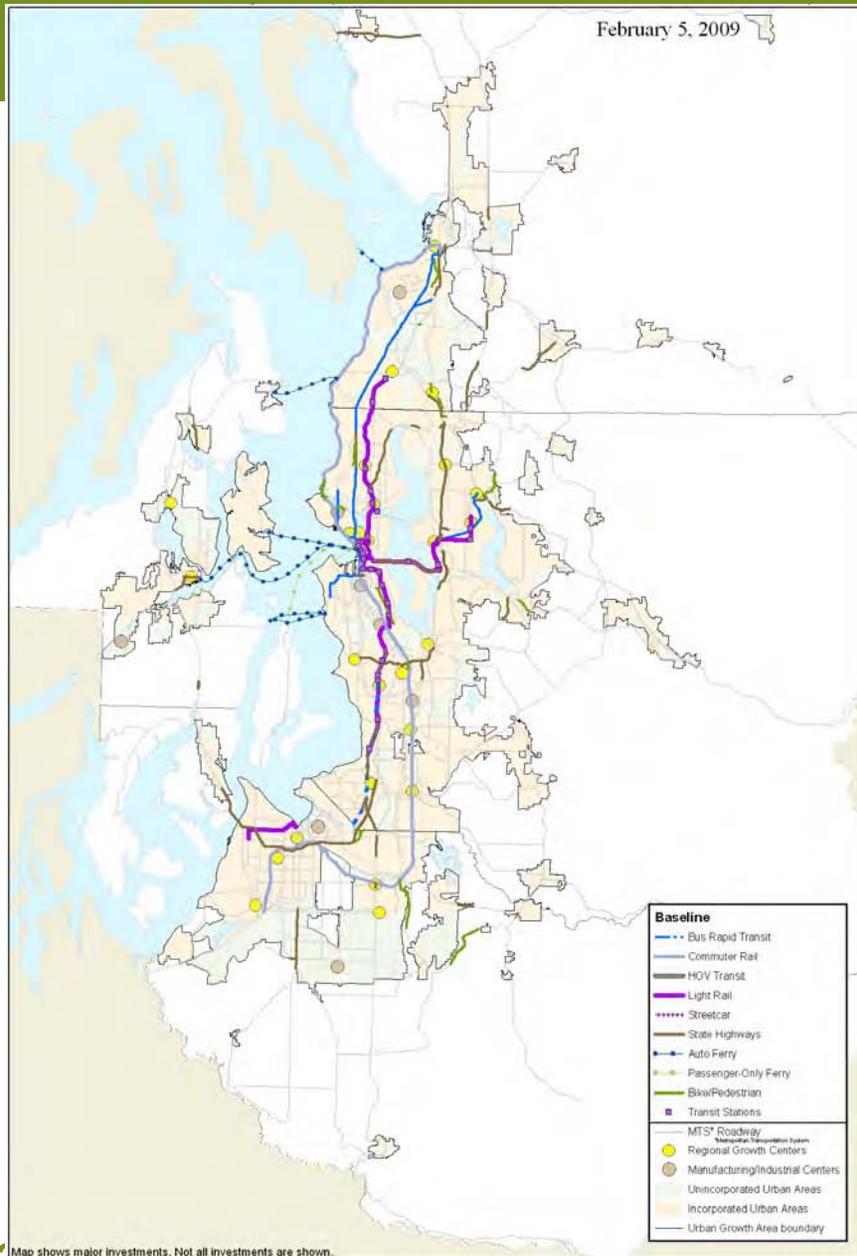
Build Funded Projects
(No Action Alternative under SEPA)

Highway
Improvements

+

Transit
Improvements

Baseline



Build Funded Projects
(No Action Alternative under SEPA)

Highway
Improvements

+

Transit
Improvements

+

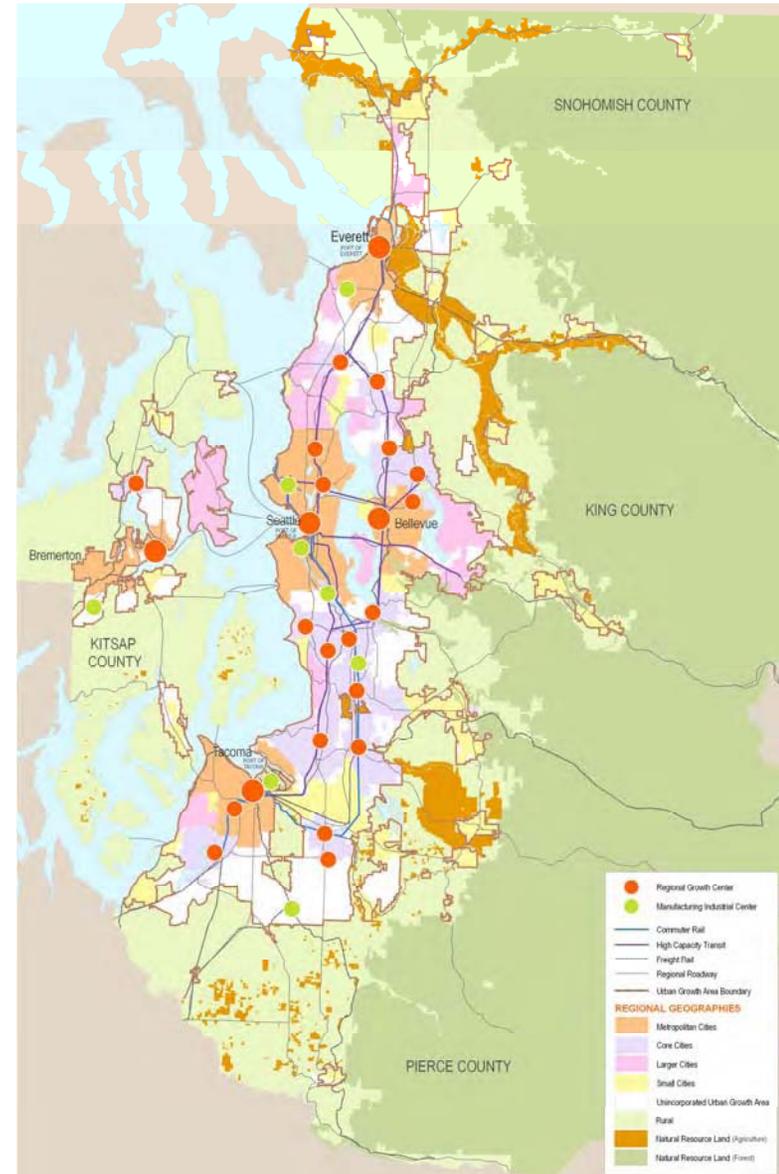
Non-motorized
Improvements



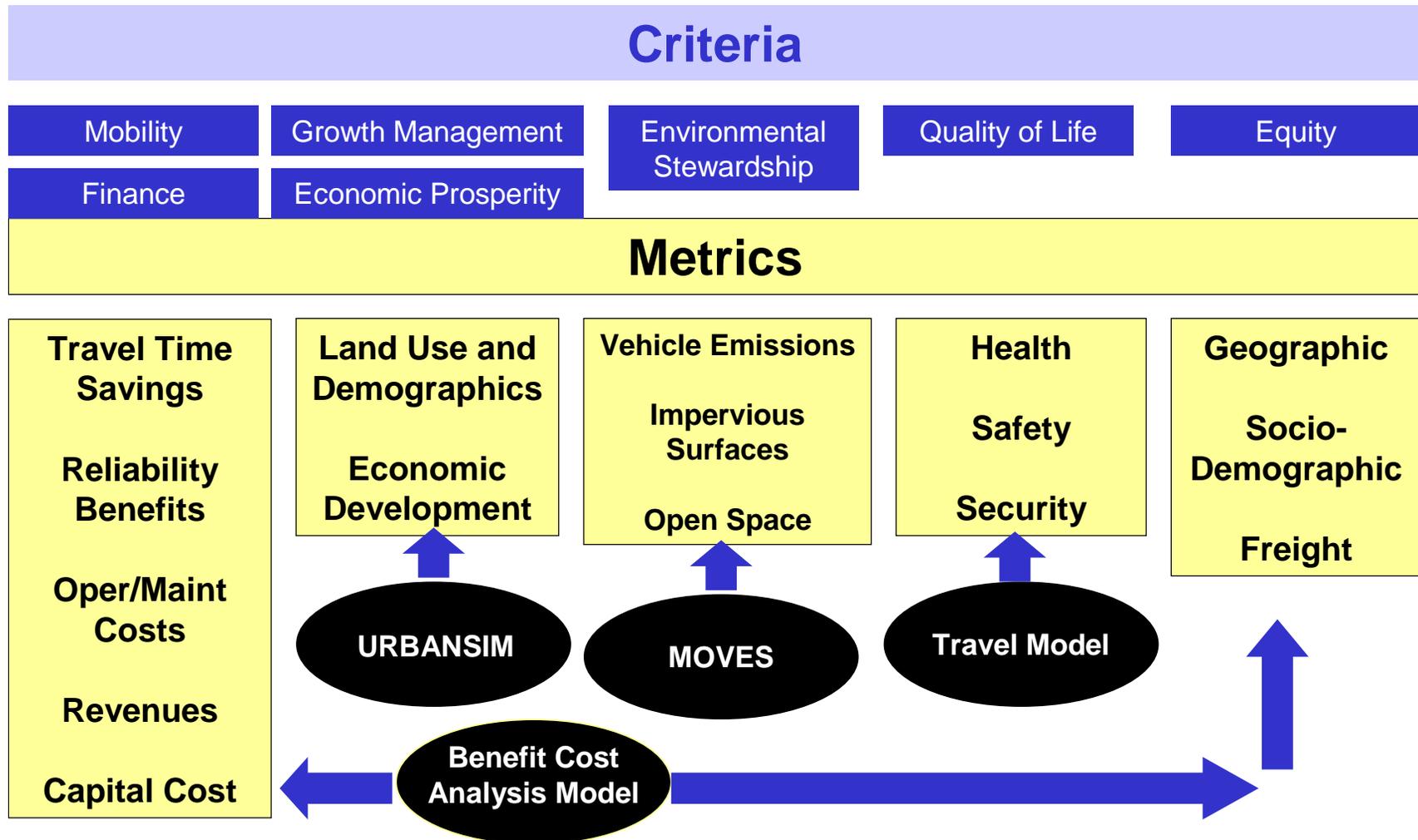
Evaluation Framework

VISION 2040 and Transportation 2040: an Integrated Evaluation Framework

- **Policy Analysis** will assure alternatives are consistent with **VISION 2040** and meet regional goals
- **Technical Analysis** will compare and evaluate alternatives using quantitative methods (criteria)
- **Environmental Review** (done within the context of the EIS) will assess the alternatives based on environmental impacts and **VISION 2040** goals
 - **DEIS** release May/June 2009



Criteria Evaluation System



Preferred Alternative Policy Guidance

- **April-June: Briefing and discussion on key issues:**

Sustainable Funding

- New sources of revenue
- Reliable, predictable, sufficient

Environment

- Climate change
- Puget Sound water quality

Congestion and Mobility

- Regional economic vitality
- Mobility for people and goods movement

- **June/July: TPB direction on key policy questions**

Transportation 2040

April Meetings

April

4/3 SeaShore Transportation Forum
4/7 City of Newcastle
4/8 University of Washington
4/9 National Park Service Planning Office
4/9 Pricing Task Force/T2040 Working Group
Joint Meeting
4/9 Transportation Policy Board
4/9 National Park Service Brown Bag
4/13 Pierce County Executive Briefing
4/13 Environmental Groups Open House
4/13 City of Renton
4/15 Tacoma City Manager's Office
4/16 Regional Staff Committee
4/16 Federal Express Staff Presentation
4/16 Pierce County Regional Council
4/17 Transportation Operators Committee
4/17 Eastside Transportation Partnership
4/20 Alternatives Technical Group

April

4/21 Washington State Transportation
Commission Regional Meeting in Kent
4/21 City of Monroe
4/21 South County Area Transportation Board
4/21 Tribal Transportation Planning
Organization Brown Bag
4/22 Snohomish Council on Aging
4/23 Pierce County Growth Management
Coordinating Committee
4/24 Pierce County Coordinated Transportation
Coalition
4/27 City of Sumner
4/27 SNOTRAC
4/27 City of Bellevue
4/27 City of Shoreline
4/28 Pierce County Council
4/28 Sierra Club Land Use/Planning
Committee
4/29 City of Everett

Transportation 2040

May-June Meetings

May

- 5/4 City of Pacific
- 5/5 City of Snohomish
- 5/11 City of Tukwila
- 5/13 State Department of Ecology/Department of Fish & Wildlife
- 5/14 Transportation Policy Board
- 5/14 Transportation 2040 Working Group/
Pricing Task Force Joint Meeting
- 5/18 City of University Place
- 5/18 City of Mountlake Terrace
- 5/19 League of Women Voters
- 5/20 Bicycle/Pedestrian Advisory Committee
- 5/20 Special Needs Transportation
Committee
- 5/20 Seattle/King County Municipal League
- 5/21 Regional Staff Committee

May

- 5/26 Port of Edmonds Commissioners
- 5/26 City of Maple Valley
- 5/27 King County Coordinated Special Needs
Transportation Committee

June

- 6/3 City of Woodinville
- 6/4 South King County Town Hall Meeting
- 6/11 Transportation Policy Board
- 6/11 Transportation 2040 Working Group/
Pricing Task Force Joint Meeting
- 6/18 Citizens Oversight Panel – Sound Transit

Transportation 2040

Regional Conversation:

- Respond to regional land use, economic, and environmental policies
- Anticipate forecasted population and employment growth
- Include a sustainable financial strategy
- Reflect the values and meet the needs of central Puget Sound region

For more information:

Transportation 2040

Mike Cummings

www.psrc.org/projects/trans2040/index.htm

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