



Climate Change and the Planning Process

Mobile Sources Technical Review Subcommittee
June 16, 2016



Overview of PSRC

Who We Are

82 cities/towns

4 counties

4 ports

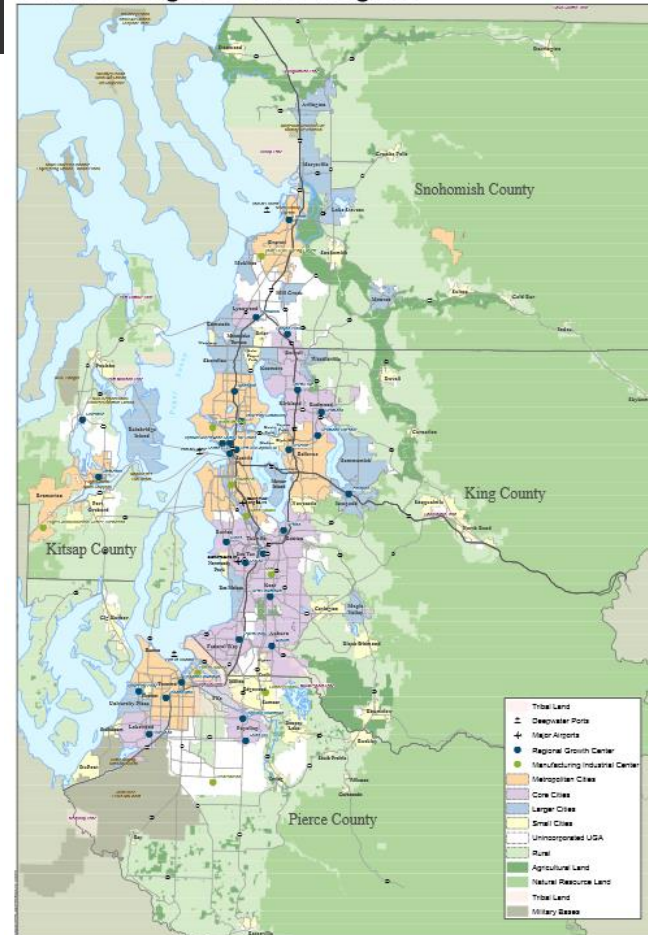
6 transit agencies

State agencies

Tribal governments

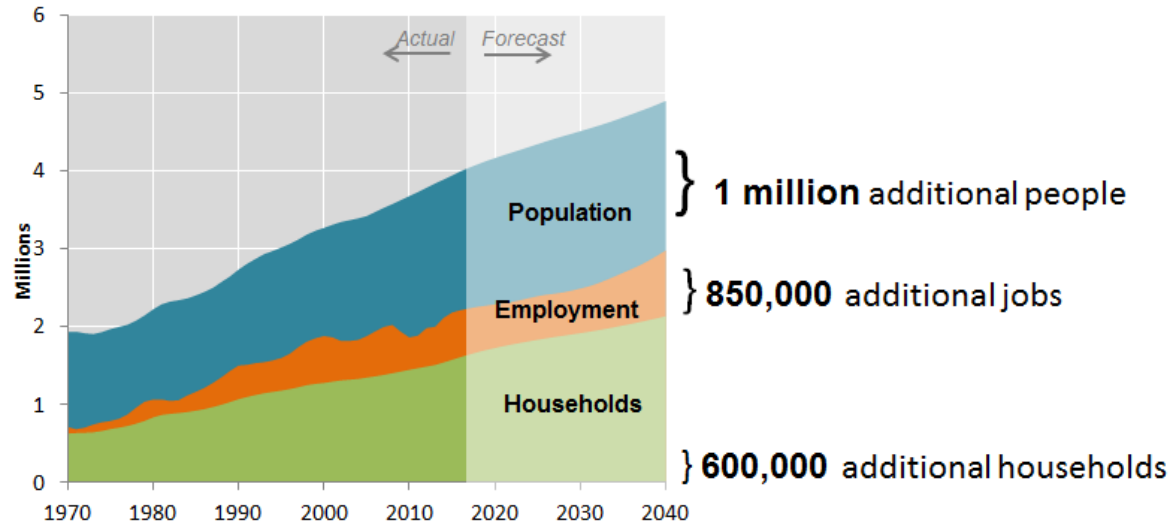
Business/Labor and
Community/Environment representation

Central Puget Sound Region



Overview of PSRC

Current population = 3.9 million
 Expected to hit 4 million in 2017
 Nearly 5 million by 2040



Overview of PSRC

What We Do

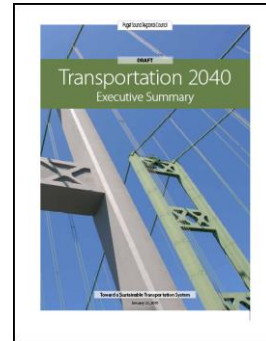
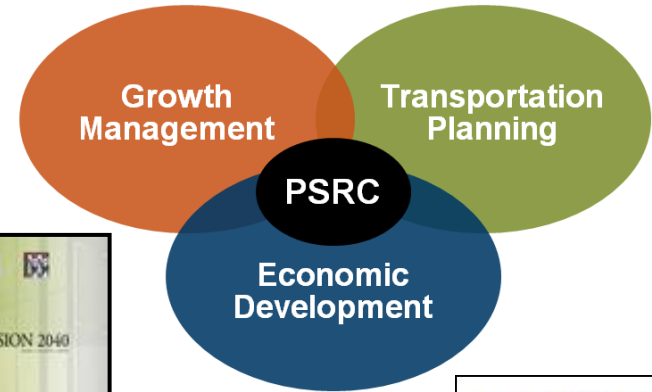
Federal (MPO), & State (RTPO) designated planning organization

Transportation, Growth Management, Economic Planning

Federal transportation funds to priority projects

Regional data and forecasts

Forum for regional issues





VISION 2040

Adopted April 2008

Sustainable Environment Framework

Numeric Regional Growth Strategy

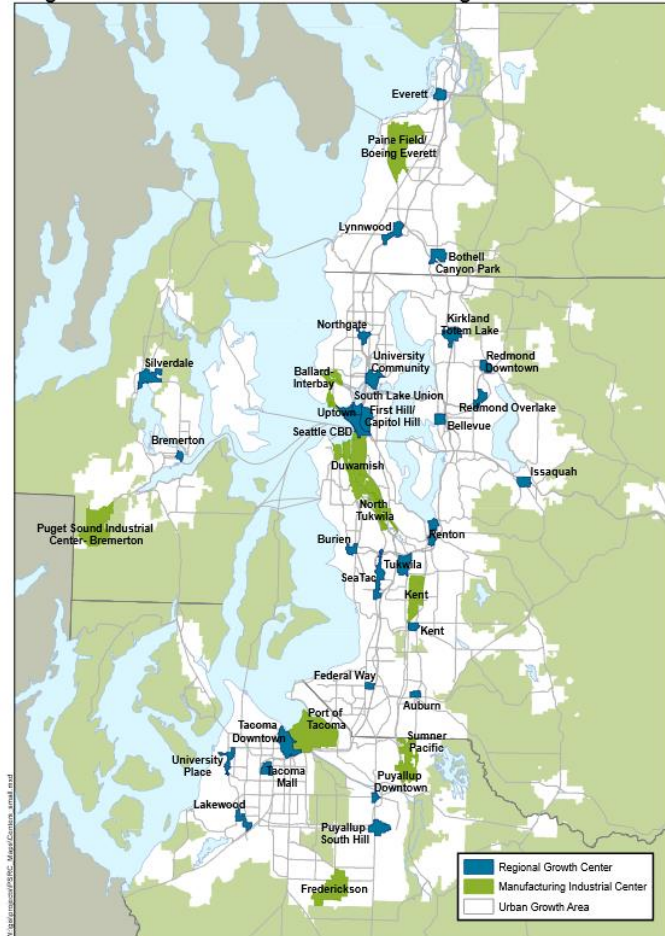
Multicounty Planning Policies under
State Growth Management Act

Regional Policy Direction

Designated Regional Centers

Implementation Actions & Monitoring

Regional Growth Centers and Manufacturing/Industrial Centers



VISION 2040

More than 20 multicounty planning policies in VISION 2040 speak to climate change:

- Commits to state directives
- Guides jurisdictions & agencies to include analysis of climate impacts when performing environmental review
- Calls for reducing rate of energy use & developing new energy management technology
- Implementation Action: develop regional Climate Change Action Plan
 - a) address state climate change initiatives
 - b) reduce greenhouse gas emissions
 - c) take mitigation steps to address impacts from climate change





Transportation 2040

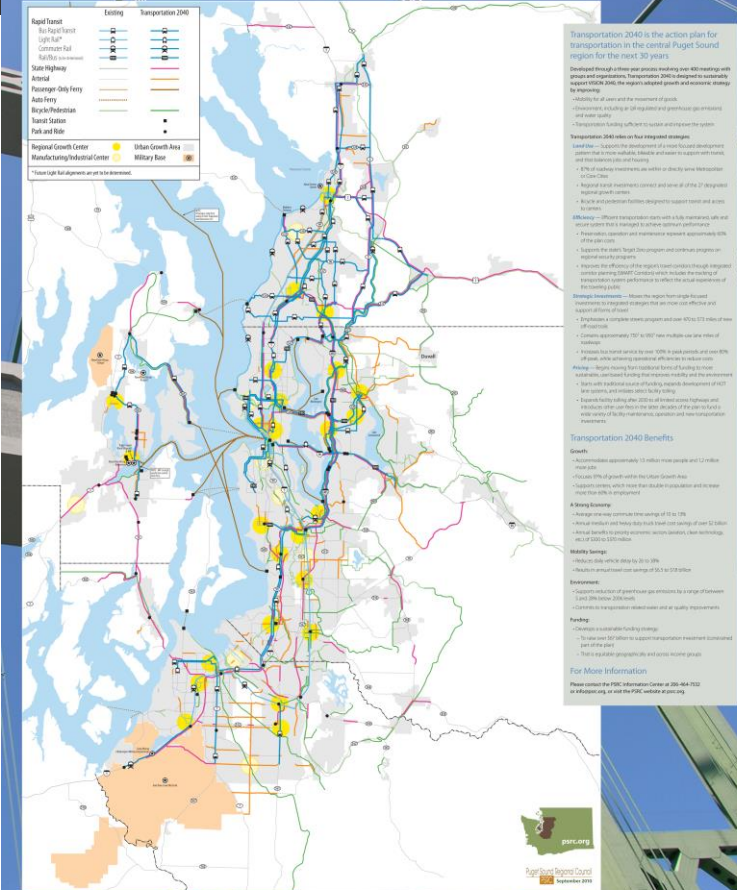
Originally adopted in 2010, updated in 2014

- Makes progress on major transportation system issues and informs near-term project decisions
- Aligns with VISION 2040 and the Regional Economic Strategy
- Designed to support access to job centers and improve freight movement



Transportation 2040

The Central Puget Sound Region's Transportation Plan





Transportation 2040

Foundation = Preserving the System

**Three major investment programs,
supported by Four Integrated Strategies:**

Land Use

Supporting concentrated development pattern that is more walkable, bikeable, transit-friendly

Efficiency

Fully maintaining & operating safe, secure & optimized system

Strategic Investments

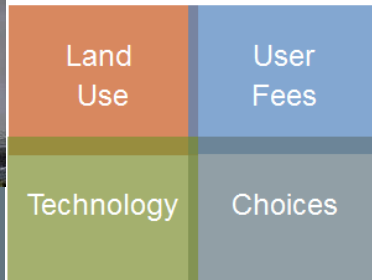
Move from *single focused investments* to *integrated strategies* that are more cost effective & support all forms of travel

Pricing

Move from traditional forms of funding to more sustainable user-based funding –that improves mobility & the environment



Four-Part Greenhouse Gas Strategy



Land Use

Implement VISION 2040

- Jobs housing balance
- Centers, transit oriented development and efficient Communities

User Fees

Implement roadway pricing to support VMT reduction and reduce travel delay emissions

Choices

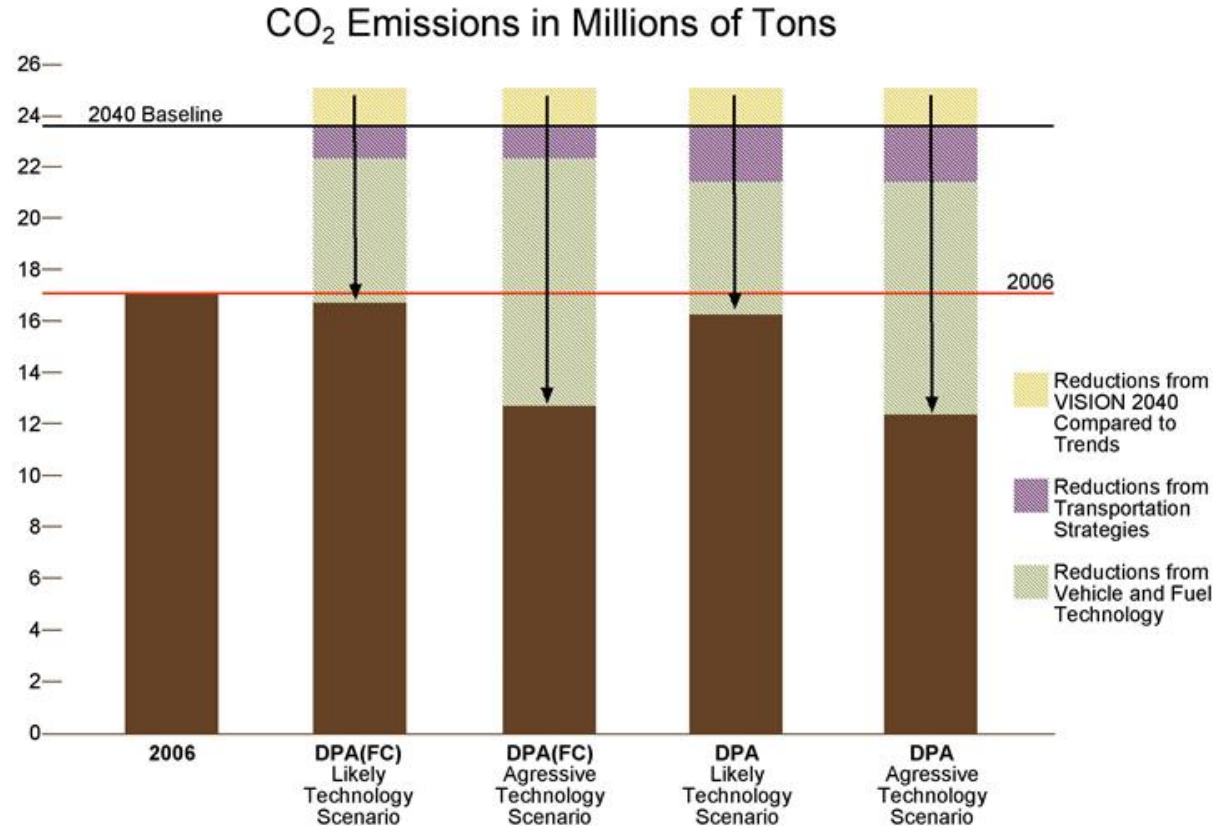
Expand transportation choices that reduce GHG emissions

Technology

Support development of technology to dramatically reduce tailpipe emissions (*Likely & Aggressive scenarios*)



Four-Part Greenhouse Gas Strategy



PSRC's Federal Funding

PSRC receives over \$240 Million annually in federal transportation funds:

- **Federal Highway Administration (FHWA) ~\$77 million**
- **Federal Transit Administration (FTA) ~\$168m**

Policy Framework adopted prior to each funding cycle

- Based on VISION 2040 policies
- Framework provides Board direction for project selection
- Detailed policies and procedures for conducting the process
- Policy focus on support for centers and the corridors that serve them



PSRC's Federal Funding

Criteria includes:

- Support for centers, safety, mobility, populations served, accessibility, reduction of emissions, project readiness, etc.

2016 improvements:

- Health and equity strengthened
- Higher weighting of air quality/climate change for CMAQ projects
- Updated project level emissions estimation tool

Types of projects funded:

New transit	Freight	TDM
Bicycle/pedestrian	Truck replacement	ITS
Engine retrofits	Multimodal capacity	





Climate Resilience Planning

Climate adaptation/resiliency work to be expanded with 2018 Transportation 2040 update

- Regional Collaborative formed
 - Goal = leverage resources, common framework, coordinate efforts
- Partnership with National Academy of Sciences, Engineering and Medicine
 - Resilient America Roundtable, Seattle pilot project



Upcoming work

- Transportation 2040 update
 - 2018 adoption
 - Recalibrated 4-Part GHG Strategy
 - Updated analysis
 - Climate resiliency
 - Possible regional GHG emissions inventory
- VISION 2050 update
 - 2020 adoption
- Performance-Based Planning
 - Comments on potential CO₂ measure and target

