Presentation Overview

- **Performance Measures**
  - VISION 2040 and Regional Outcomes
  - Above and beyond requirements
  - Existing planning process and evaluation framework
  - Timing with Transportation 2040 Update
  - Next steps
VISION 2040 – Regional Growth Strategy

- Develop compact communities and centers
- Promote growth in Metropolitan, Core and Larger Cities
- Minimize incompatible rural development
- Improve regional jobs-housing balance
- Develop consistent regional targeting methods and planning horizons
Performance Measurement – A Work in Progress

Philosophy of Performance Measures

• Performance measures are imperfect
• Improvements are being made continually
• Many measures are crosscutting
• You can’t measure the future
PSRC Regional Outcomes – Integration Through Planning Stages

VISION 2040 → REGIONAL OUTCOMES

Planning Stages

Long Range Planning
- T2040 Project Evaluation
- T2040 Scenario Analysis

Short Range Planning/ Federal Funding Process
- TIP
- Project Selection

Performance Trends

Congestion Management Process

Note: Regional Outcomes evolved from Prioritization measures
## VISION 2040 - Regional Outcomes – Above and Beyond Requirements

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Air Quality &amp; Climate Change</strong></td>
<td>Clean air and reduce climate change precursors</td>
</tr>
<tr>
<td><strong>Freight</strong></td>
<td>Efficient, reliable freight mobility</td>
</tr>
<tr>
<td><strong>Health Equity</strong></td>
<td>Travel options promote health and well being</td>
</tr>
<tr>
<td><strong>Jobs</strong></td>
<td>Access to Jobs</td>
</tr>
<tr>
<td><strong>Multi-Modal</strong></td>
<td>System is integrated and provides alternatives to driving alone</td>
</tr>
<tr>
<td><strong>Maintenance and Preservation</strong></td>
<td>The system is maintained and in good repair</td>
</tr>
<tr>
<td><strong>Puget Sound Land and Water</strong></td>
<td>Clean water and land</td>
</tr>
<tr>
<td><strong>Safety &amp; System Security</strong></td>
<td>Safe and secure transportation system</td>
</tr>
<tr>
<td><strong>Social Equity &amp; Access to Opportunity</strong></td>
<td>Improved mobility for all and reduced negative impacts to vulnerable populations</td>
</tr>
<tr>
<td><strong>Support for Centers</strong></td>
<td>Support existing and new populations in centers</td>
</tr>
<tr>
<td><strong>Travel</strong></td>
<td>Transportation system is efficient, reliable and convenient for people, goods and services</td>
</tr>
</tbody>
</table>
## PSRC Regional Outcomes – Above and Beyond Requirements

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Quality &amp; Climate Change</td>
<td>Clean air and reduce climate change precursors</td>
</tr>
<tr>
<td>Freight</td>
<td>Efficient, reliable freight mobility</td>
</tr>
<tr>
<td>Health Equity</td>
<td>Travel options promote health and well being</td>
</tr>
<tr>
<td>Jobs</td>
<td>Access to Jobs</td>
</tr>
<tr>
<td>Multi-Modal</td>
<td>System is integrated and provides alternatives to driving alone</td>
</tr>
<tr>
<td>Maintenance and Preservation</td>
<td>The system is maintained and in good repair</td>
</tr>
<tr>
<td>Puget Sound Land and Water</td>
<td>Clean water and land</td>
</tr>
<tr>
<td>Safety &amp; System Security</td>
<td>Safe and secure transportation system</td>
</tr>
<tr>
<td>Social Equity &amp; Access to Opportunity</td>
<td>Improved mobility for all and reduced negative impacts to vulnerable populations</td>
</tr>
<tr>
<td>Support for Centers</td>
<td>Support existing and new populations in centers</td>
</tr>
<tr>
<td>Travel</td>
<td>Transportation system is efficient, reliable and convenient for people, goods and services</td>
</tr>
</tbody>
</table>

* New requirements integrate with existing Regional Outcomes
New Requirements Integrate with Regional Outcomes

New Requirement:  Air Quality and Climate Change

- Percent change in tailpipe CO2 emissions on the NHS from calendar year 2017
- On-road mobile source emissions
- Criteria pollutant annual monitoring reports and emissions by transportation sector
- Greenhouse gas emissions trends
- Energy consumption trends by source and sector
New Requirements Integrate with Regional Outcomes

**Regional Outcomes**

- Air Quality & Climate Change*
- Freight*
- Health Equity
- Jobs
- Multi-Modal*
- Puget Sound Land and Water
- Safety & System Security*
- Social Equity & Access to Opportunity
- Support for Centers
- Travel*
- Maintenance and Preservation*

**New Requirement: Freight**

- Truck travel time reliability index for the interstate system*
- Heavy tonnage truck system
New Requirements Integrate with Regional Outcomes

New Requirement: Multimodal

- Percent of non-SOV travel on the NHS*
- Ferry ridership
- Transit on time performance
- Park and ride utilization
- Transit and vanpool ridership
- Percent of regional bike network complete

* MAP 21 Performance Measure
New Requirements Integrate with Regional Outcomes

New Requirements: Safety

- Annual serious injuries*
- Annual fatalities *
- Fatalities per 100 million VMT (5-year rolling average) *
- Serious injuries per 100 million VMT (5-year rolling average) *
- Number of non-motorized fatalities and non-motorized serious injuries *

* MAP 21 Performance Measure
New Requirements Integrate with Regional Outcomes

**New Requirements: Travel**

- Percent of person-miles traveled on the Interstate and NHS that are reliable*
- Annual hours of peak-hour excessive delay per capita*
- Also crosscutting in Freight and Multi-Modal
- Roadway travel time reliability
- Maximum throughput travel time index
- Daily VMT
- Vehicle daily hours of delay
- Cost of congestion

* MAP 21 Performance Measure
New Requirements Integrate with Regional Outcomes

New Requirements: Maintenance and Preservation

- Pavement conditions by facility type and percent of network*
- Bridge conditions – structurally deficient and functionally obsolete*
- Transit asset management – average age (service life, age of fleets)*

* MAP 21 Performance Measure
### Performance Measurement Integration

<table>
<thead>
<tr>
<th>Board Action</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JULY</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access &amp; Parking</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Performance Measures (Health &amp; Equity)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Climate Change</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Financial Strategy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Climate Change</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Performance Measures (Health &amp; Equity)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Engagement

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Regional Outcomes – Next Steps

TPB engagement follow-up sessions on Health / Equity (Today and Fall 2017)

Performance measures and targets –
  • Safety and Transit Asset Management – incorporated in the plan update (Spring and Fall 2017)
  • Highway-Bridge Conditions and System Performance–finalized following plan update (Fall 2018)

Updated Congestion Management Process (Summer 2017)

System Analysis Report (Fall 2017)
Thank you.