Federal Performance Measures - Background

• MAP-21/FAST Act required state DOTs and MPOs to set targets for a variety of transportation-related performance measures beginning in 2018

• Initial safety targets were based on state’s Strategic Highway Safety Plan, Target Zero, using a straight-line projection from 2016 that achieves zero fatalities and serious injuries by 2030

• Safety targets are required to be updated annually –
  o 2019 targets were based on the same trend line as the 2018 targets
  o 2020 targets proposed to be based on revised trend line from 2018-2030

• PSRC must adopt 2020 regional targets by February 28, 2020
## Federal Performance Measures - Background

<table>
<thead>
<tr>
<th>Performance Measures</th>
<th>Initial PSRC Board Action</th>
<th>Update Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transit Asset Management</td>
<td>Approved June 2017</td>
<td>Every 4 Years*</td>
</tr>
<tr>
<td>Safety Performance</td>
<td>Approved January 2018</td>
<td>Annual</td>
</tr>
<tr>
<td>Bridge and Pavement Condition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Performance</td>
<td>Approved October 2018</td>
<td>Every 4 Years</td>
</tr>
<tr>
<td>Congestion Mitigation and Air Quality Improvement Program (CMAQ)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transit Safety</td>
<td>Expected January 2021</td>
<td>Every 4 Years</td>
</tr>
</tbody>
</table>

* Transit agencies are required to update their transit asset management targets annually
USDOT Safety Performance Management Measures

1) Number of fatalities

2) Rate of fatalities per 100 million vehicle miles traveled (VMT)

3) Number of serious injuries

4) Rate of serious injuries per 100 million vehicle miles traveled

5) Number of non-motorized fatalities and serious injuries
Target-Setting Methodology

- Based on *Target Zero* straight-line projection to reach zero fatalities and serious injuries by 2030

- Projected trend line begins at 5-year rolling average for 2014-2018
Number of Fatalities (5-Year Avg.)
Target Zero Projection and 2020 Targets

Source: WSDOT, 2019
Fatality Rate Per 100M VMT (5-Year Avg.)
Target Zero Projection and 2020 Targets

Observed Data:
5 Yr. Avgs.

Target Zero
Projected Trend Line

2020 WSDOT
Target: 0.73

2018 WSDOT
Target: 0.71

2020 PSRC
Target: 0.60

2018 PSRC
Target: 0.56

Source: WSDOT, 2019
Number of Serious Injuries (5-Year Avg.)
Target Zero Projection and 2020 Targets

Observed Data:
5 Yr. Avgs.

Target Zero
Projected Trend Line

Source: WSDOT, 2019
Serious Injury Rate Per 100M VMT (5-Year Avg.)
Target Zero Projection and 2020 Targets

Source: WSDOT, 2019
Bicycle/Pedestrian Fatalities & Serious Injuries (5-Year Avg.)
Target Zero Projection and 2020 Targets

Source: WSDOT, 2019
What’s Next

- PSRC must establish regional targets by February 28, 2020
- Once established, WSDOT will report to FHWA on statewide targets and the progress towards achieving targets
- PSRC to continue to explore options for refinement to performance metrics and conduct regional analysis of safety data that goes beyond federal requirements
- Future board meeting on data and metrics for the next RTP update
Requested Action:

The Transportation Policy Board should recommend that the Executive Board adopt the 2020 targets for Safety Performance Measures, as identified in Agenda Item 8.