Summary of Public Transportation

A Brief Overview

Brian Lagerberg, Director
Public Transportation Division
Washington State Transportation Commission January 19, 2017
Overview

• State requirement – [RCW 35.58.2796](#)
  – Due December 1st each year
• Produced for more than 35 years
• Reports on:
  – 31 transit agencies (excludes non-profits and tribes)
  – 15 community transportation providers
  – 6 Apple Health transportation brokers
  – 4 Intercity Bus Programs
  – 8 ferry systems
  – The Seattle Monorail
Washington State's Public Transit Authorities

Transit Classification
- Urban
- Small Urban
- Rural
- Regional District
- City

1. Asotin County PTBA
2. Ben Franklin Transit
3. Clallam Transit System
4. Columbia County Public Transportation
5. Community Transit
6. C-TRAN
7. Everett Transit
8. Garfield County Public Transportation
9. Grant Transit Authority
10. Grays Harbor Transportation Authority
11. Intercity Transit
12. Island Transit
13. Jefferson Transit Authority
14. King County Metro
15. Kitsap Transit
16. Link Transit
17. Mason County Transportation Authority
18. Okanogan County Transit Authority
19. Pacific Transit
20. Pierce Transit
21. Pullman Transit
22. RiverCities Transit
23. Selah Transit
24. Skagit Transit
25. Sound Transit
26. Spokane Transit Authority
27. Twin Transit
28. Union Gap Transit
29. Valley Transit
30. Whatcom Transportation Authority
31. Yakima Transit

Boundaries established by the Washington State Department of Revenue are not necessarily consistent with transit service areas. The Whitman County UTBA is not included because no transportation services are provided within the boundary.
Mode Types

– Fixed Route
  • Service operating on a repetitive, fixed schedule basis on a specific route

– Demand Response
  • Service characterized by flexible routing and scheduling, i.e. dial-a-ride service

– Route Deviated
  • A cross between fixed route and demand response modes

– Vanpool
  • Prearranged ridesharing service in which 7-15 people travel together regularly in a van

– Commuter Rail
  • Electric or diesel-propelled railway for urban passenger train service

– Light Rail
  • Passenger railway system with an ability to operate single cars or short trains along rails on exclusive right of way
Performance Metrics

Basic definitions:

• Passenger Trip — A one-way trip from origin to destination

• Revenue Vehicle Hour — The time a transit vehicle is providing passenger service

• Revenue Vehicle Mile — The miles traveled by transit vehicles while providing passenger service

• Operating Costs — Recurring costs of providing service, including salaries, fuel, taxes, repairs, etc.

• Farebox Recovery Ratio — All income received directly from passengers divided by operating costs
Base Metric

Passenger Trip Totals by Mode Type

<table>
<thead>
<tr>
<th>Mode Type</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Route Deviated</td>
<td></td>
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<tr>
<td>Commuter Rail</td>
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<td>Demand Response</td>
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</tbody>
</table>

Passenger Trips (millions of trips)
Base Metric

Cumulative Passenger Trip Totals by Mode Type

![Bar chart showing passenger trip totals by mode type from 2010 to 2015.](chart.png)
Base Metric

Passenger Trip Totals

Year | Total Trips
--- | ---
2009 | 212.4
2010 | 217.4
2011 | 220.7
2012 | 223.9
2013 | 229.1
2014 | 229.1
2015 | 229.1
2016 | 229.1

Passenger Trips (millions of trips)

Year

Total Trips
Base Metric

Passenger Trip Totals

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Trips (millions of trips)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>187.0</td>
</tr>
<tr>
<td>2010</td>
<td>190.2</td>
</tr>
<tr>
<td>2011</td>
<td>192.0</td>
</tr>
<tr>
<td>2012</td>
<td>194.2</td>
</tr>
<tr>
<td>2013</td>
<td>198.2</td>
</tr>
<tr>
<td>2014</td>
<td>229.1</td>
</tr>
<tr>
<td>2015</td>
<td>229.1</td>
</tr>
<tr>
<td>2016</td>
<td>229.1</td>
</tr>
</tbody>
</table>

Passenger Trips (millions of trips) vs. Year (2009-2016)

- **Total Trips**: Red squares
- **Fixed Route**: Blue diamonds
Base Metric

Passenger Trip Totals

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<tr>
<td>2012</td>
<td>194.2</td>
</tr>
<tr>
<td>2013</td>
<td>198.2</td>
</tr>
<tr>
<td>2014</td>
<td>197.6</td>
</tr>
</tbody>
</table>

- **Fixed Route**
## Base Metric

### Revenue Vehicle Hours

<table>
<thead>
<tr>
<th>Year</th>
<th>Revenue Vehicle Hours (millions of hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>6.43</td>
</tr>
<tr>
<td>2010</td>
<td>6.24</td>
</tr>
<tr>
<td>2011</td>
<td>6.12</td>
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<td>2012</td>
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<td>2013</td>
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<tr>
<td>2014</td>
<td>6.19</td>
</tr>
<tr>
<td>2015</td>
<td>6.31</td>
</tr>
<tr>
<td>2016</td>
<td></td>
</tr>
</tbody>
</table>

**Graph**

- **Fixed Route**

![Graph showing revenue vehicle hours from 2009 to 2016](image)

**Note:** The graph shows the revenue vehicle hours for fixed routes from 2009 to 2016.
Passenger Trips per Revenue Vehicle Hour

Year


Passenger Trips/Revenue Vehicle Hour


Fixed Route

Passenger Trips per Revenue Vehicle Mile

- 2009: 2.10
- 2010: 2.18
- 2011: 2.28
- 2012: 2.31
- 2013: 2.35
- 2014: 2.32

Year:


Passenger Trips/Revenue Vehicle Mile

- Fixed Route

Graph shows an increase in passenger trips per revenue vehicle mile from 2009 to 2014, with a slight decrease in 2015 and 2016.
Operating Costs per Revenue Vehicle Hour

- 2009: $136.3
- 2010: $142.3
- 2011: $148.8
- 2012: $151.1
- 2013: $154.5
- 2014: $154.6
- 2015: $154.6
- 2016: $154.6

Graph showing the increase in operating costs per revenue vehicle hour from 2009 to 2016.
Operating Costs per Revenue Vehicle Mile

- Fixed Route
  - 2009: $9.83
  - 2010: $10.19
  - 2011: $10.82
  - 2012: $11.01
  - 2013: $11.34
  - 2014: $11.46
  - 2015: $11.46
  - 2016: $11.46
Performance Metric - 5 of 6

Operating Costs per Passenger Trip

Year

Operating Costs per Passenger Trip ($/trip)

$4.69
$4.67
$4.74
$4.76
$4.83
$4.94
Farebox Recovery Ratio


Year

Farebox Recovery Ratio (%)

23.0% 24.2% 25.4% 26.0% 26.3% 26.2%

Fixed Route
Contact Information/Questions?

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Public Transportation Division Website
http://www.wsdot.wa.gov/transit

2015 Summary of Public Transportation
https://www.wsdot.wa.gov/Publications/Manuals/PTSummary.htm