Washington State Ferries 2040 Long Range Plan

Policy Advisory Group

Stephanie Cirkovich, WSF Community Services and Planning Director
Ray Deardorf, WSF Senior Planning Manager
Rick Singer, WSF Finance Director

January 18, 2018
Meeting objectives

1. Meet the project team and review work plan
2. Review ridership forecast data
3. Learn about the WSF budget
Agenda

• Welcome and introductions
• Recap SWOT analysis
• Meet the project team and review work plan
• Ridership forecast data
• Provide overview of WSF budget
• Next steps
SWOT Analysis Recap

Picturesque
Consistent leadership
Public private partnerships
Reliability
Technology
Fares
Transit connections
Promote pedestrian access
Replace aging ferries
Aging workforce
Terminal locations
Safety
Efficiency
Dedicated staff
Real-time info
Reservation system
Funding

WSDOT
Long Range Plan Schedule

**2017**
- **July**
  - Technical Advisory Group
  - Policy Advisory Group
  - Executive Advisory Group
  - Kickoff stakeholder advisory groups
  - Confirm roles
  - Plan overview and background

**2018**
- **September**
  - Technical Advisory Group
  - Policy Advisory Group
  - Executive Advisory Group
  - Plan background and vision
  - SWOT analysis

- **January**
  - Technical Advisory Group
  - Policy Advisory Group
  - Executive Advisory Group
  - Review work plan
  - Review ridership forecast data
  - Learn about the WSF budget

- **March**
  - Technical Advisory Group
  - Policy Advisory Group
  - Executive Advisory Group
  - Review plan elements

- **May**
  - Technical Advisory Group
  - Policy Advisory Group
  - Executive Advisory Group
  - Preview legislative progress report

- **Summer**
  - Technical Advisory Group
  - Policy Advisory Group
  - Executive Advisory Group
  - Legislative progress report
  - Draft plan elements
  - Public comment period

- **Fall / Winter**
  - Technical Advisory Group
  - Policy Advisory Group
  - Executive Advisory Group
  - Finalize plan
  - Deliver final plan by Jan. 1

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*Public Meetings*

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*Public Information and Outreach*

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*Rounds of public meetings in ferry served communities and online open house.*
Ridership Forecast

Key Findings

• Over 15 years, yearly ferry ridership growth varied between -4 and +2.9 percent

• Annual growth forecasts by 2040:
  – Population: 1 percent
  – Households: 1.2 percent
  – Employment: 1.3 percent
  – Ferry ridership: 1.2 percent

• Overall ferry ridership growth by 2040: 30 percent
Ridership Forecast Model

PSRC 4-COUNTY REGION
- PSRC regional travel forecasting model
  - Growth in demographics
  - Background congestion
  - Background transportation networks

FERRY RIDERSHIP FORECASTING
- Current ferry travel patterns
  - 2030 & 2040 ferry travel patterns
    - Route-level ferry ridership forecast

OTHER JURISDICTIONS
- Local land-use forecasts
- Local transportation plans
  - Traffic counts
  - Background transportation networks

Feedback Loop

2017 Ferry ridership
- Assess dedicated bike lanes
- Seasonal peak profile
- Monthly ridership

Supplementary route-level ferry ridership forecast:
- Bicycle ridership
- Recreation travel ridership
- Annual ridership

Weekend/weekday ferry travel survey
Recreational travel growth estimate

(WSDOT)
WSF Ridership History (1993-2017) and Preliminary Forecast (2018-2040)

System Totals: Green Line
System Forecasted: Blue Dots

Sources: WSF Traffic History and WSF Baseline Ridership Forecasts
Population and Employment in the 12 County Area for 2017 and 2040

- **Population**
  - **2017**: 4,901,400
  - **2040**: 6,129,800 (25% increase)

- **Employment**
  - **2017**: 2,586,000
  - **2040**: 3,491,800 (35% increase)
WSF Service Area 12-County Age Demographics

2017:
- 65 & over: 731,500
- 18 - 64: 3,136,900
- 0 - 17: 1,067,700

2040:
- 65 & over: 1,295,500 (+77%)
- 18 - 64: 3,597,500 (+15%)
- 0 - 17: 1,242,600 (+16%)

Graph shows population projections for different age groups in 2017 and 2040.
PM Peak Ridership - Eastbound and Westbound by Region

2017 Total Riders: 20,400
- North: 3,400 (+16%)
- Central: 13,100 (+36%)
- South: 3,800 (+31%)

2040 Total Riders: 26,600
- North: 4,400 (+28%)
- Central: 17,800 (+36%)
- South: 4,400

Total: 20,400
Total: 26,600
+ 31%
Total PM Peak Ridership
2017 and 2040 Westbound by Route

2017 WB Riders
- Port Townsend - Coupeville: 310
- Mukilteo - Clinton: 2100
- Edmonds - Kingston: 1900
- Seattle - Bainbridge Island: 4300
- Seattle - Bremerton: 740
- Fauntleroy - Southworth: 2000
- Fauntleroy - Vashon: 470
- Vashon - Southworth: 2300
- Point Defiance - Tahlequah: 40

2040 WB Riders
- Port Townsend - Coupeville: 1090
- Mukilteo - Clinton: 2700
- Edmonds - Kingston: 2700
- Seattle - Bainbridge Island: 5700
- Seattle - Bremerton: 980
- Fauntleroy - Southworth: 50
- Fauntleroy - Vashon: 460
- Vashon - Southworth: 50
- Point Defiance - Tahlequah: 460
Total PM Peak Ridership
2017 and 2040 Eastbound by Route

2017 EB Riders
- Port Townsend - Coupeville: 300
- Mukilteo - Clinton: 1100
- Edmonds - Kingston: 1300
- Seattle - Bainbridge Island: 2400
- Seattle - Bremerton: 300
- Fauntleroy - Southworth: 1200
- Fauntleroy - Vashon: 300
- Vashon - Southworth: 500
- Point Defiance - Tahlequah: 1200

2040 EB Riders
- Port Townsend - Coupeville: 300
- Mukilteo - Clinton: 1200
- Edmonds - Kingston: 1100
- Seattle - Bainbridge Island: 1900
- Seattle - Bremerton: 1700
- Fauntleroy - Southworth: 400
- Fauntleroy - Vashon: 500
- Vashon - Southworth: 1700
- Point Defiance - Tahlequah: 1100
Key findings: Kitsap Westbound PM Travel

- 2040 population and employment increases 41% from 2017.
- Riders 65+ fastest growing demographic.
- West Seattle Light Rail by 2030.
Key Findings: Vashon Island PM Travel

- Vashon Island 2040 population increases 18% from 2017.
- Employment increases 7% from 2017.
- Landside road changes impact travel.

Vashon Island 2040

- Population: 330 (2017), 460 (2040) (+33%)
- Employment: 40 (2017), 50 (2040) (+25%)
- Landside road changes: 820 (2017), 980 (2040) (+20%)

Point Defiance - Tahlequah
- 2017: 200, 2040: 200 (0%)

Vashon - Southworth
- 2017: 500, 2040: 550 (+10%)

Fauntleroy - Vashon
- 2017: 40, 2040: 40 (0%)

Walk-On
- 2017: 10, 2040: 180 (+38%)

Traffic changes:
- 2017 Total Riders: 820
- 2040 Total Riders: 980
- 2017 Total Vehicles: 500
- 2040 Total Vehicles: 550
- 2017 Walk-On: 10
- 2040 Walk-On: 180

Key metrics:
- 2040 Total Riders: 980 (33% increase)
- 2040 Total Vehicles: 550 (10% increase)
- 2040 Walk-On: 180 (38% increase)
Key Findings: Whidbey Westbound PM Travel

- Island County 2040 population increases 10% from 2017.
- Employment increases 9% from 2017.
- Population 65+ fastest growing demographic.
Key Findings: San Juan Islands Daily both Westbound and Eastbound

- 2040 population increases 18% from 2017.
- Employment increases 31% from 2017.

![Graph showing ridership and vehicle data from 2017 to 2040 for different routes and vessel types.](image-url)
Next Steps

- Next steps include analyzing:
  - Pedestrian and bicycle forecast data
  - Recreational traffic
  - Total annual forecast
WSF Financial Overview

- Budget overview
- Background and challenges
- Revenue sources
- Expenses
- 2040 Long Range Plan
2017-19 Budget

Operating  $505.2 million
Capital  $374.2 million
Total  $879.4 million*

Planned cash transfer of $71 million to ferries from other transportation accounts during 2017-2019 biennium

*As passed in the 2017 regular legislative session
Challenges and Constraints

- Ferry funding dependent on transfers from other accounts
- Aging ferries, terminals, and IT infrastructure
- Volatile fuel costs
- Deferred maintenance
Where does our revenue come from?

- Fares: 76 percent farebox recovery
- State revenues (gas taxes, bonds, fees, transfers)
- Federal funds
- Other (Local, Advertising, Concessions, etc.)
Ridership History—2000-2016

- First round of post I-695 service cuts.
- Winter service
- PO service to Bremerton stopped, Tyee sold.
- 12.5% fare increase, deepening regional recession.
- Steel Electrics retired.
- 5%-6% fare increase.
- Beginning of economic downturn.
- 2.5% fare increase.
- 2.5% fare increases.
- Vashon PO to King County, all PO boats sold.
- 2.5% fare increase.
- Three Kwa-di Tabil class vessels added, Rhododendron retired.
- Samish added.
- Tokitaie added.
- 3.0% fare increase.
- 3.0/2.0% fare increase.
Farebox Recovery

- Port Townsend/Coupeville: 37.1 (2017) / 60.8 (2011)
- Anacortes/San Juan Islands: 42.6 (2017) / 57.7 (2011)
- Pt. Defiance/Tahlequah: 45.8 (2017) / 53.8 (2011)
- Seattle/Bainbridge Island: 98.6 (2017)
- Edmonds/Kingston: 97.8 (2017)

2017 vs 2011
Ferries Funding

Federal Funding

• WSF receives federal funds primarily from three agencies:
  – Federal Highway Administration (FHWA)
  – Federal Transit Administration (FTA)
  – Federal Emergency Management agency (FEMA)

• Two types of federal funding:
  – “Formula” (earned shares based on regional ridership formulas)
    • FHWA Ferry Boat Program $16 mil/yr
    • FTA Formula Programs $13 mil/yr
  – Grants: national and regional competitions

• Federal Funds in 2017-19 Capital Budget
  – FHWA Highway Grants $58 mil
  – FHWA Ferry Boat Grants $42 mil
  – FTA Formula Grants $40 mil
  – Competitive Grants $12 mil
  – Total $153 mil

• Federal Funds in 2017-19 Operating Budget
  – FTA Formula Program $9 mil
WSF Capital Revenue Sources

FY17-19 Revenue

374 Million

- State 41%
- Federal 41%
- Transfer 14%
- Local 4%

WSF Capital Revenue Sources
WSF Revenue for Operations

FY17-19 Revenue
Total $505 mil
What are our expenses?

- State Treasury Accounts
- WSDOT Programs and Budgets
- WSF Operating Program
- WSF Capital Program
Treasury Accounts Supporting Ferries Programs

- The Legislature funds programs by appropriating funds from state treasury accounts
- Ferries Treasury Accounts
  - Puget Sound Ferry Operations Account
  - Puget Sound Capital Construction Account
  - Capital Vessel Replacement Account
- Non-Ferries Accounts Supporting Ferries Programs Either by Expenditure Appropriations or Revenue Transfers to Ferries Accounts
  - Connecting Washington Account
  - Highway Safety Account
  - Motor Vehicle Account
  - Multimodal Transportation Account
  - Transportation Partnership Account
  - 2003 Transportation (Nickel) Account
Programs, Budgets and Spending Authority

- The Legislature creates agency Programs
- A Program is a legal entity that is subject to various laws;
- WSDOT submits Program budget requests to obtain legal authority to spend funds.

State government uses three types of spending authority:

- The Legislature appropriates the Program (biennial lump sum spending authority and line item projects);
- The Governor (OFM) allots the sub-program (biennial, fiscal year and monthly spending authority); and
- WSDOT allocates (biennial, fiscal year and monthly spending authority)
  - Detailed, organizational operating budgets, and
  - Capital project list and project budgets.
Ferries Programs and Budgets
State Budget Cycle
WSF Program X Operating Budget

WSF Operating Budget and Other Transportation Operating Programs
Total 2017-19 Operating Budget $1.5 Billion
Operating Budget (2017-2019)

WSF Operating Budget and Other Transportation Operating Programs
Governor’s 2017-19 Budget Proposal
Total Operating Budget $1.5 Billion

- Vessel and Terminal Operations: 26%
- Vessel and Terminal Maintenance: 4%
- Other Admin Costs: 1%
- Management and Admin: 1%
- Other Programs Operating Budget: 68%
Capital Budget (2017-2019)

WSF Capital Budget Compared to Other Capital Program Budgets
2017-19 Biennium
Total Capital Budget $3.9 Billion
Ferries Programs and Budgets
Capital Investment Process

7-Step Investment Process

1. Gather needs Information
2. Prepare needs study
3. Define solutions (projects)
4. Select projects
5. Identify funding
6. Prepare capital plans, obtain approval of projects and spending authority
7. Measure fiscal and work performance
The Ferries Long-Range Plan will include

- Current ridership demand forecast
- Vehicle level of service standards
- Operation strategies
- Terminal and vessel design standards
- Terminal and vessel preservation plans
- System-wide vessel rebuild and replacement plan
- Vessel deployment plan
Look ahead

- Review plan elements and ridership forecasts
- Preview public meeting materials
- Next PAG meeting: March 15
Supplemental Ridership Forecast Data
Total PM Peak Ridership
Eastbound and Westbound by Route

2017 Total Riders 2040 Total Riders

- Port Townsend - Coupeville
- Mukilteo - Clinton
- Edmonds - Kingston
- Seattle - Bainbridge Island
- Seattle - Bremerton
- Fauntleroy - Southworth
- Fauntleroy - Vashon
- Vashon - Southworth
- Point Defiance - Tahlequah

Percentage Increases:
- Port Townsend - Coupeville: +48%
- Mukilteo - Clinton: +9%
- Edmonds - Kingston: +31%
- Seattle - Bainbridge Island: +37%
- Seattle - Bremerton: +13%
- Fauntleroy - Southworth: +41%
- Fauntleroy - Vashon: +40%
- Vashon - Southworth: +39%
Total PM Peak Vehicles
Eastbound and Westbound by Route

<table>
<thead>
<tr>
<th>Route</th>
<th>2017 Total Vehicles</th>
<th>2040 Total Vehicles</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port Townsend - Coupeville</td>
<td>280</td>
<td>1,900</td>
<td>+ 9%</td>
</tr>
<tr>
<td>Mukilteo - Clinton</td>
<td>1,800</td>
<td>1,900</td>
<td>+ 10%</td>
</tr>
<tr>
<td>Edmonds - Kingston</td>
<td>1,700</td>
<td>1,700</td>
<td>+ 0%</td>
</tr>
<tr>
<td>Seattle - Bainbridge Island</td>
<td>680</td>
<td>780</td>
<td>+ 15%</td>
</tr>
<tr>
<td>Seattle - Bremerton</td>
<td>610</td>
<td>710</td>
<td>+ 15%</td>
</tr>
<tr>
<td>Fauntleroy - Southworth</td>
<td>1,000</td>
<td>1,100</td>
<td>+ 8%</td>
</tr>
<tr>
<td>Fauntleroy - Vashon</td>
<td>460</td>
<td>520</td>
<td>+ 12%</td>
</tr>
<tr>
<td>Vashon - Southworth</td>
<td>50</td>
<td>60</td>
<td>+ 20%</td>
</tr>
<tr>
<td>Point Defiance - Tahlequah</td>
<td>0</td>
<td>390</td>
<td>+ 41%</td>
</tr>
</tbody>
</table>

2017 Total Vehicles: 2040 Total Vehicles
Total PM Peak Walk-On Passengers
Eastbound and Westbound

<table>
<thead>
<tr>
<th>Route</th>
<th>2017 Passengers</th>
<th>2040 Passengers</th>
<th>Increase</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port Townsend - Coupeville</td>
<td>100</td>
<td>4,200</td>
<td>1,600</td>
<td>+55%</td>
</tr>
<tr>
<td>Mukilteo - Clinton</td>
<td>610</td>
<td>2,300</td>
<td>1,690</td>
<td>+56%</td>
</tr>
<tr>
<td>Edmonds - Kingston</td>
<td>700</td>
<td>5,800</td>
<td>5,100</td>
<td>+55%</td>
</tr>
<tr>
<td>Seattle - Bainbridge Island</td>
<td>2,300</td>
<td>3,100</td>
<td>800</td>
<td>+34%</td>
</tr>
<tr>
<td>Seattle - Bremerton</td>
<td>2,000</td>
<td>4,000</td>
<td>2,000</td>
<td>+100%</td>
</tr>
<tr>
<td>Fauntleroy - Southworth</td>
<td>300</td>
<td>200</td>
<td>100</td>
<td>+33%</td>
</tr>
<tr>
<td>Fauntleroy - Vashon</td>
<td>80</td>
<td>300</td>
<td>220</td>
<td>+275%</td>
</tr>
<tr>
<td>Vashon - Southworth</td>
<td>10</td>
<td>120</td>
<td>110</td>
<td>+1,100%</td>
</tr>
<tr>
<td>Point Defiance - Tahlequah</td>
<td>0</td>
<td>20</td>
<td>20</td>
<td>+100%</td>
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</table>
Total PM Peak Ridership
Eastbound by Route

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<th>2017 Total Riders</th>
<th>2040 Total Riders</th>
</tr>
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<tbody>
<tr>
<td>Port Townsend - Coupeville</td>
<td>310</td>
<td>460 (+46%)</td>
</tr>
<tr>
<td>Mukilteo - Clinton</td>
<td>1,100</td>
<td>1,900 (+44%)</td>
</tr>
<tr>
<td>Edmonds - Kingston</td>
<td>1,300</td>
<td>3,100 (+28%)</td>
</tr>
<tr>
<td>Seattle - Bainbridge Island</td>
<td>2,400</td>
<td>1,700 (+40%)</td>
</tr>
<tr>
<td>Seattle - Bremerton</td>
<td>1,200</td>
<td>850 (+6%)</td>
</tr>
<tr>
<td>Fauntleroy - Southworth</td>
<td>340 (+27%)</td>
<td>430 (+43%)</td>
</tr>
<tr>
<td>Fauntleroy - Vashon</td>
<td>800</td>
<td>50 (+43%)</td>
</tr>
<tr>
<td>Vashon - Southworth</td>
<td>350</td>
<td>490 (+39%)</td>
</tr>
<tr>
<td>Point Defiance - Tahlequah</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Total PM Peak Vehicles
Eastbound

- Port Townsend - Coupeville
- Mukilteo - Clinton
- Edmonds - Kingston
- Seattle - Bainbridge Island
- Seattle - Bremerton
- Fauntleroy - Southworth
- Fauntleroy - Vashon
- Vashon - Southworth
- Point Defiance - Tahlequah

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<th>2040 Total Vehicles</th>
<th>Increase</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port Townsend - Coupeville</td>
<td>130</td>
<td>640</td>
<td>510</td>
<td>3%</td>
</tr>
<tr>
<td>Mukilteo - Clinton</td>
<td>630</td>
<td>820</td>
<td>190</td>
<td>17%</td>
</tr>
<tr>
<td>Edmonds - Kingston</td>
<td>700</td>
<td>700</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Seattle - Bainbridge Island</td>
<td>630</td>
<td>310</td>
<td>280</td>
<td>11%</td>
</tr>
<tr>
<td>Seattle - Bremerton</td>
<td>260</td>
<td>540</td>
<td>280</td>
<td>8%</td>
</tr>
<tr>
<td>Fauntleroy - Southworth</td>
<td>180</td>
<td>280</td>
<td>100</td>
<td>13%</td>
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<tr>
<td>Fauntleroy - Vashon</td>
<td>500</td>
<td>30</td>
<td>-230</td>
<td>-40%</td>
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<td>Vashon - Southworth</td>
<td>230</td>
<td>0</td>
<td>-230</td>
<td>-100%</td>
</tr>
<tr>
<td>Point Defiance - Tahlequah</td>
<td>30</td>
<td>0</td>
<td>-30</td>
<td>-100%</td>
</tr>
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</table>
Total PM Peak Walk-On Passengers Eastbound

- Port Townsend - Coupeville
- Mukilteo - Clinton
- Edmonds - Kingston
- Seattle - Bainbridge Island
- Seattle - Bremerton
- Fauntleroy - Southworth
- Fauntleroy - Vashon
- Vashon - Southworth
- Point Defiance - Tahlequah
Total PM Peak Ridership
Westbound

<table>
<thead>
<tr>
<th>Route</th>
<th>2017 Total Riders</th>
<th>2040 Total Riders</th>
<th>Change</th>
<th>% Change</th>
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<tbody>
<tr>
<td>Port Townsend - Coupeville</td>
<td>310</td>
<td>470</td>
<td>160</td>
<td>+51%</td>
</tr>
<tr>
<td>Mukilteo - Clinton</td>
<td>1,900</td>
<td>2,700</td>
<td>800</td>
<td>+46%</td>
</tr>
<tr>
<td>Edmonds - Kingston</td>
<td>2,100</td>
<td>2,300</td>
<td>200</td>
<td>+10%</td>
</tr>
<tr>
<td>Seattle - Bainbridge Island</td>
<td>4,300</td>
<td>5,700</td>
<td>1,400</td>
<td>+33%</td>
</tr>
<tr>
<td>Seattle - Bremerton</td>
<td>2,000</td>
<td>2,700</td>
<td>700</td>
<td>+36%</td>
</tr>
<tr>
<td>Fauntleroy - Southworth</td>
<td>740</td>
<td>1,100</td>
<td>360</td>
<td>+47%</td>
</tr>
<tr>
<td>Fauntleroy - Vashon</td>
<td>820</td>
<td>980</td>
<td>160</td>
<td>+20%</td>
</tr>
<tr>
<td>Vashon - Southworth</td>
<td>330</td>
<td>460</td>
<td>130</td>
<td>+39%</td>
</tr>
<tr>
<td>Point Defiance - Tahlequah</td>
<td>50</td>
<td>40</td>
<td>-10</td>
<td>-20%</td>
</tr>
</tbody>
</table>

2017 Total Riders 2040 Total Riders
Total PM Peak Vehicles
Westbound

- Port Townsend - Coupeville: 2017: 1,100; 2040: 1,300 (12% increase)
- Mukilteo - Clinton: 2017: 970; 2040: 1,100 (14% increase)
- Edmonds - Kingston: 2017: 1,100; 2040: 1,200 (9% increase)
- Seattle - Bainbridge Island: 2017: 500; 2040: 550 (10% increase)
- Seattle - Bremerton: 2017: 420; 2040: 470 (11% increase)
- Fauntleroy - Southworth: 2017: 140; 2040: 210 (43% increase)
- Fauntleroy - Vashon: 2017: 30; 2040: 30 (no change)
- Vashon - Southworth: 2017: 230; 2040: 230 (2% increase)
- Point Defiance - Tahlequah: 2017: 2,120; 2040: 2,120 (no change)

2017 Total Vehicles | 2040 Total Vehicles
---|---
30 | 30
500 | 550
430 | 470
230 | 230
1,100 | 1,200
970 | 1,100
140 | 210
Total PM Peak Walk-On Passengers Westbound
San Juan Ridership
Westbound

2017 Total Riders | 2040 Total Riders

<table>
<thead>
<tr>
<th>Route</th>
<th>2017</th>
<th>2040</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anacortes/San Juan - Sidney, B.C</td>
<td>120</td>
<td>160</td>
<td>+34%</td>
</tr>
<tr>
<td>Inter-Island Vessel Only</td>
<td>330</td>
<td>410</td>
<td>+24%</td>
</tr>
<tr>
<td>All Vessels To/From Anacortes to/from SJ islands</td>
<td>2,100</td>
<td>2,600</td>
<td>+24%</td>
</tr>
</tbody>
</table>
San Juan Route Vehicles
Westbound

2017 Total Vehicles
- All Vessels To/From Anacortes to/from SJ islands: 1,100
- Inter-Island Vessel Only: 50

2040 Total Vehicles
- All Vessels To/From Anacortes to/from SJ islands: 1,400
- Inter-Island Vessel Only: 60

Anacortes/San Juans-Sidney, B.C
San Juan Walk-On Passengers
Westbound

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td></td>
<td>40</td>
<td>160</td>
</tr>
<tr>
<td></td>
<td>120</td>
<td>490</td>
</tr>
<tr>
<td></td>
<td>270</td>
<td></td>
</tr>
</tbody>
</table>

Changes:
- Anacortes/San Juans-Sidney, B.C: +52%
- Inter-Island Vessel Only: +32%
- All Vessels To/From Anacortes to/from SJ islands: +81%
San Juan Ridership
Eastbound

<table>
<thead>
<tr>
<th>2017 Total Riders</th>
<th>2040 Total Riders</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,100</td>
<td>2,800</td>
</tr>
<tr>
<td>140 (+ 33%)</td>
<td>390 (+ 25%)</td>
</tr>
<tr>
<td>310</td>
<td>170 (+ 33%)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Anacortes/San Juans-Sidney, B.C.3</td>
<td></td>
</tr>
<tr>
<td>Inter-Island Vessel Only</td>
<td></td>
</tr>
<tr>
<td>All Vessels To/From Anacortes to/from SJ islands</td>
<td></td>
</tr>
</tbody>
</table>
San Juan Vehicles
Eastbound

2017 Total Vehicles
- Anacortes/San Juans-Sidney, B.C: 60
- Inter-Island Vessel Only: 1,100

2040 Total Vehicles
- Anacortes/San Juans-Sidney, B.C: 70
- Inter-Island Vessel Only: 1,400

Comparison:
- Anacortes/San Juans-Sidney, B.C: + 32%
- Inter-Island Vessel Only: + 38%

Note: All Vessels To/From Anacortes to/from SJ islands
San Juan Walk-On Passengers
Eastbound

- 2040 Walk-On Passengers:
  - Anacortes/San Juans-Sidney, B.C.: 60
  - Inter-Island Vessel Only: 450
  - All Vessels To/From Anacortes to/from SJ islands: 550

- 2017 Walk-On Passengers:
  - Anacortes/San Juans-Sidney, B.C.: 50
  - Inter-Island Vessel Only: 120
  - All Vessels To/From Anacortes to/from SJ islands: 260

Percentage Increases:
- Inter-Island Vessel Only: +15%
- All Vessels To/From Anacortes to/from SJ islands: +72%