ECONOMIC IMPACT OF THE PORT OF VANCOUVER

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Why Conduct Economic Impact Studies?

- **Community**
  - Public awareness

- **Legislature**
  - Funding requests

- **Directors**
  - Allocation of resources

- **Planners**
  - Comparison of projects

- **Board Members**
  - Project justification

- **Government Officials**
  - Policy implications:
    - Navigational projects
    - Port closures
How the Port Impacts the Economy

FLOW OF ECONOMIC IMPACT
PORT ACTIVITY

- BUSINESS REVENUE
  - PAYROLL
  - DIRECT JOBS
    - PERSONAL INCOME (re-spending)
  - RETAINED EARNINGS, DIVIDENDS & INVESTMENTS
  - INDIRECT JOBS
    - INDUCED JOBS
    - TAXES

- LOCAL PURCHASES
  - RELATED USER OUTPUT
    - VALUE OF: IMPORTS/EXPORTS
    - RELATED USER PERSONAL INCOME
    - RELATED USER JOBS

Port of Vancouver USA
Methodology

- Interviews with Tenants/Service Providers
- Port Statistics
- Indirect/Induced Models

Baseline Impacts
Economic Impact Model
Sensitivity Analysis

- Jobs
- Income
- Revenue
- Taxes
24,068 Total Jobs Were Supported by Port of Vancouver in 2018

DIRECT: 3,910
- Pilots
- Tugs
- Agents
- Maritime Services
- Vessel Repairs
- Terminal Operators
- Longshoremen
- Warehousing
- Forwarders
- Terminal Construction
- Government
- Trucking
- Rail
- Tenants

INDIRECT: 3,220
- Goods/Services
- M&R Equipment
- Utilities
- Fuel
- Insurance

RELATED: 13,729
- Importers/Exporters

Purchases by Employees
- Food
- Shelter
- Transportation
- Medical
- Retail
- Apparel

Purchases by Firms

INDUCED: 3,209
- Importers/Exporters

Total Jobs Supported by Port of Vancouver in 2018: 24,068
Cargo Tenants Supported Nearly 63% of Direct Jobs; Non-Cargo Tenant Jobs Supported the Balance 37%

<table>
<thead>
<tr>
<th>Port of Vancouver Jobs</th>
<th>Jobs Supported By Port of Vancouver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct</td>
<td>3,910</td>
</tr>
<tr>
<td>Induced</td>
<td>3,209</td>
</tr>
<tr>
<td>Indirect</td>
<td>3,220</td>
</tr>
<tr>
<td>Related</td>
<td>13,729</td>
</tr>
<tr>
<td>Total Jobs</td>
<td>24,068</td>
</tr>
</tbody>
</table>

Distribution of 3,910 Direct Jobs

- Cargo: 1,452
- Non-Cargo Tenants: 2,458
Steel Supported 33% of Cargo Jobs Followed by Grain Supporting 20%

Total Jobs Supported by The Port

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<thead>
<tr>
<th>Port of Vancouver Jobs</th>
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<tbody>
<tr>
<td>Direct</td>
<td>2,458</td>
</tr>
<tr>
<td>Induced</td>
<td>2,421</td>
</tr>
<tr>
<td>Indirect</td>
<td>1,274</td>
</tr>
<tr>
<td>Related</td>
<td>13,729</td>
</tr>
<tr>
<td>Total Jobs</td>
<td>19,882</td>
</tr>
</tbody>
</table>

Distribution of 2,458 Cargo Direct Jobs

- Steel: 32.7%
- Grain: 20.4%
- Not Allocated: 14.9%
- Petroleum/Oil: 14.3%
- Autos/RO-RO: 5.9%
- Scrap: 4.7%
- Other: 4.1%
- Cement: 3.0%
- Petroleum/OLB: 0.1%

Industrial Operations Account for 60% of Non-Cargo Tenant Direct Jobs

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<tr>
<td>Direct</td>
<td>1,452</td>
</tr>
<tr>
<td>Induced</td>
<td>787</td>
</tr>
<tr>
<td>Indirect</td>
<td>1,946</td>
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<tr>
<td>Total Jobs</td>
<td>4,186</td>
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</tbody>
</table>

Distribution of 1,452 Industrial Direct Jobs

- **Industrial**: 60.8%
- **Warehouse/Distribution**: 32.6%
- **Miscellaneous**: 6.5%
Distribution of the 3,910 Direct Jobs by Job Category

- INDUSTRIAL TENANTS
- TERMINAL OPERATIONS
- SHIPPERS/CONSIGNEES
- RAIL
- TRUCK
- ILWU
- MARINE CONSTRUCTION
- PORT OF VANCOUVER
- GOVERNMENT
- BARGE
- TOWING/PILOTS
- WAREHOUSE
- SURVEYSORS/CHANDLERS/MARITIME SERVICES
- FORWARDERS
- AGENTS
Cargo and Non-Cargo Tenant Activity at the Port of Vancouver Supported Nearly $3.76 Billion of Economic Value in 2018

### Total Economic Value

<table>
<thead>
<tr>
<th>Port of Vancouver Economic Value (Billions)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Business Revenue</td>
<td>$0.96</td>
</tr>
<tr>
<td>Related Economic Output</td>
<td>$2.42</td>
</tr>
<tr>
<td>Re-spending/Local Consumption</td>
<td>$0.39</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$3.76</td>
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</tbody>
</table>

### Distribution of $955.2 Million Direct Business Revenue

- **Cargo**: $492.4 million
- **Non-Cargo Tenants**: $462.9 million

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**CARGO**

**NON-CARGO TENANTS**
Cargo Activity at the Port of Vancouver Supported Nearly $3.2 Billion of Economic Value in 2018

### Total Economic Value

<table>
<thead>
<tr>
<th>Economic Category</th>
<th>Value (Billions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Business Revenue</td>
<td>$0.49</td>
</tr>
<tr>
<td>Related Economic Output</td>
<td>$2.42</td>
</tr>
<tr>
<td>Re-spending/Local Consumption</td>
<td>$0.32</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$3.2</strong></td>
</tr>
</tbody>
</table>

### Distribution of $492.4 Million Direct Business Revenue

- Steel: $84.1
- Grain: $240.8
- Petroleum/Oil: $50.9
- Autos/RO-RO: $37.8
- Scrap: $18.5
- Other: $15.5
- Cement: $16.7
- Not Allocated: $15.1

**Distribution**

- Steel: 17.1%
- Grain: 49.2%
- Petroleum/Oil: 10.3%
- Autos/RO-RO: 7.7%
- Scrap: 3.8%
- Other: 3.4%
- Cement: 3.4%
- Not Allocated: 3.1%

**Total: 100%**
### Non-Cargo Tenant Activity at the Port of Vancouver

Supported Nearly $530 Million of Economic Value in 2018

#### Total Economic Value

<table>
<thead>
<tr>
<th></th>
<th>Port of Vancouver Economic Value ( Millions)</th>
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<tbody>
<tr>
<td>Direct Business Revenue</td>
<td>$462.9</td>
</tr>
<tr>
<td>Re-spending/Local</td>
<td>$67.1</td>
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<tr>
<td>Consumption</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>$530</td>
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</tbody>
</table>

#### Distribution of $462.9 Million Direct Business Revenue

- **$322.7 Million** Industrial
- **$135.0 Million** Warehouse/Distribution
- **$5.2 Million** Miscellaneous

![Pie Chart](chart.png)
Port of Vancouver Seaport and Non-Cargo Tenant Activity Generated
$71.4 Million of Direct, Induced and Indirect State and Local Taxes

$71.4 Million of State/Local Taxes

- WA: $57.6 Million
- OR: $13.5 Million
- OTHER: $0.3 Million
Changes Since 2014: 1.5 Million Ton Increase, Driven By Steel and Bulk Agri-Products

- $188.5 Million Direct Business Revenue
- 1,685 Direct, Induced, Indirect Jobs
- $16 Million State, Local Taxes