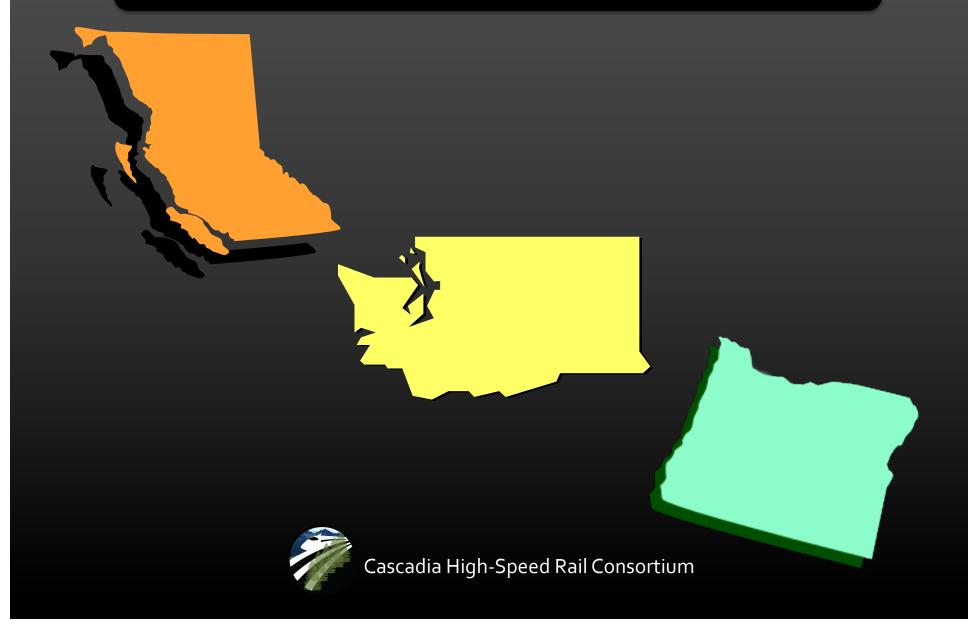


Cascadia Region







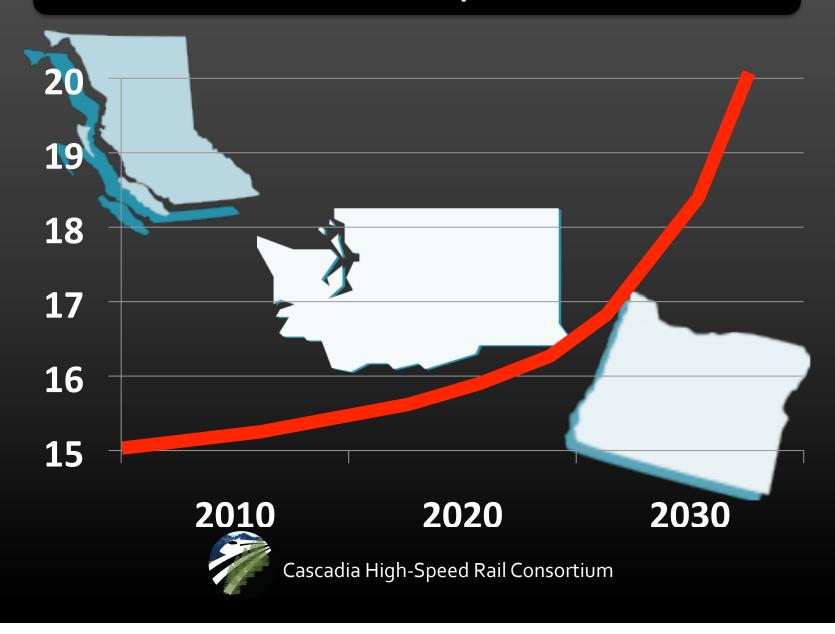
Cascadia High-Speed Rail



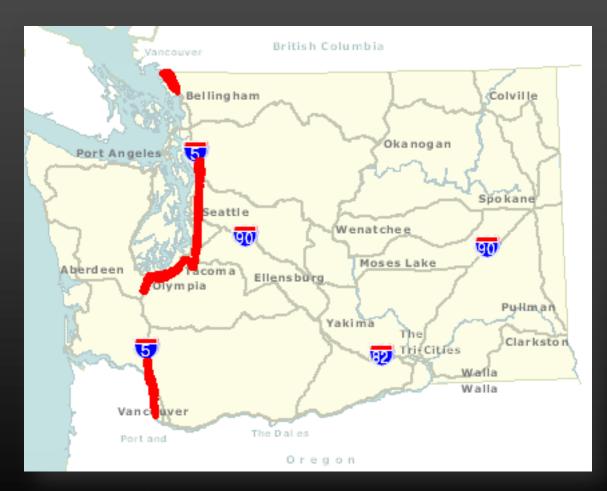


High-Speed Problem

Cascadia Population



Traffic Gridlock by 2030





Seattle to Portland

Transportation Method	Average Travel Times	Carbon Dioxide Emissions	Average Cost per Trip	
Car	2½ to 3 hours	158 tons	\$30 to \$75	
Plane	35 to 50 minutes	210 tons	\$150 to \$250	
Conventional Train	4 hours	105 tons	\$35 to \$50	
Bus	3½ to 5 hours	260 tons	\$20 to \$40	

Customers









Business Travelers

10%

Tourists

30%

Commuters

45%

Other

15%





High-Speed Solution



Japanese Shinkansen Trains



French TGV Trains



Taiwan High-Speed Trains



Key Benefits of High-Speed Trains



Runs on Clean Electricity



Unaffected by Weather Delays



Centrally Located Stations



Safest Form of Transportation



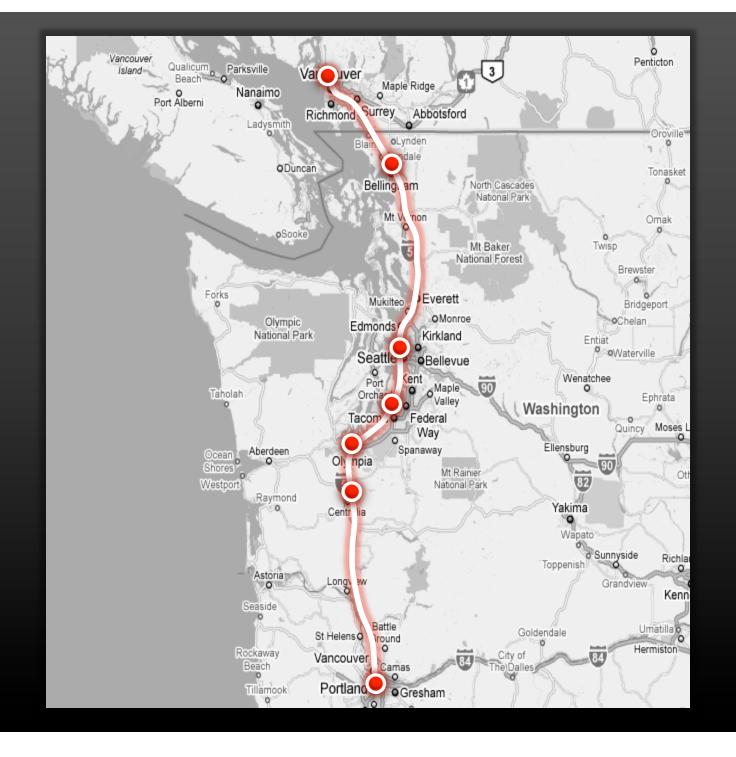
Frequent Departures



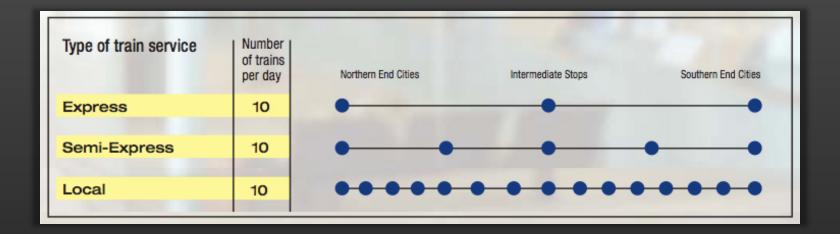
High-Speed Trains: Superior Solution

Transportation Method	Average Travel Times	Carbon Dioxide Emissions	Average Cost per Trip	
Car	2½ to 3 hours	158 tons	\$30 to \$75	
Plane	35 to 50 minutes	210 tons	\$150 to \$250	
Conventional Train	4 hours	105 tons	\$35 to \$50	
Bus	3½ to 5 hours	260 tons	\$20 to \$40	
High-Speed Rail	52 minutes	90 tons	\$50	





Train Fares & Stopping Patterns



Express/Semi-Express Trip: \$50/one way

Local Trip: Fare varies according to distance travelled.

- Shortest route is Seattle to Tacoma: \$6/one way
- Longest route is Bellingham to Seattle: \$20/one way



Promotional Plans

Strategic Goals



Awareness



Regional Image



Airplane Travelers



Auto Travelers



College Discounts



Promotional Strategies



German Siemen Valero Trains



Travel up to 220 mph



Coach and Business Class Compartments



Café Snack Cars on Every Train



Free Wi-Fi at Stations & on Trains



Promotional Tactics











Newspaper Articles

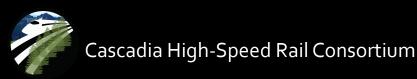
College Campuses

Local Businesses Travel Agencies Television Ads



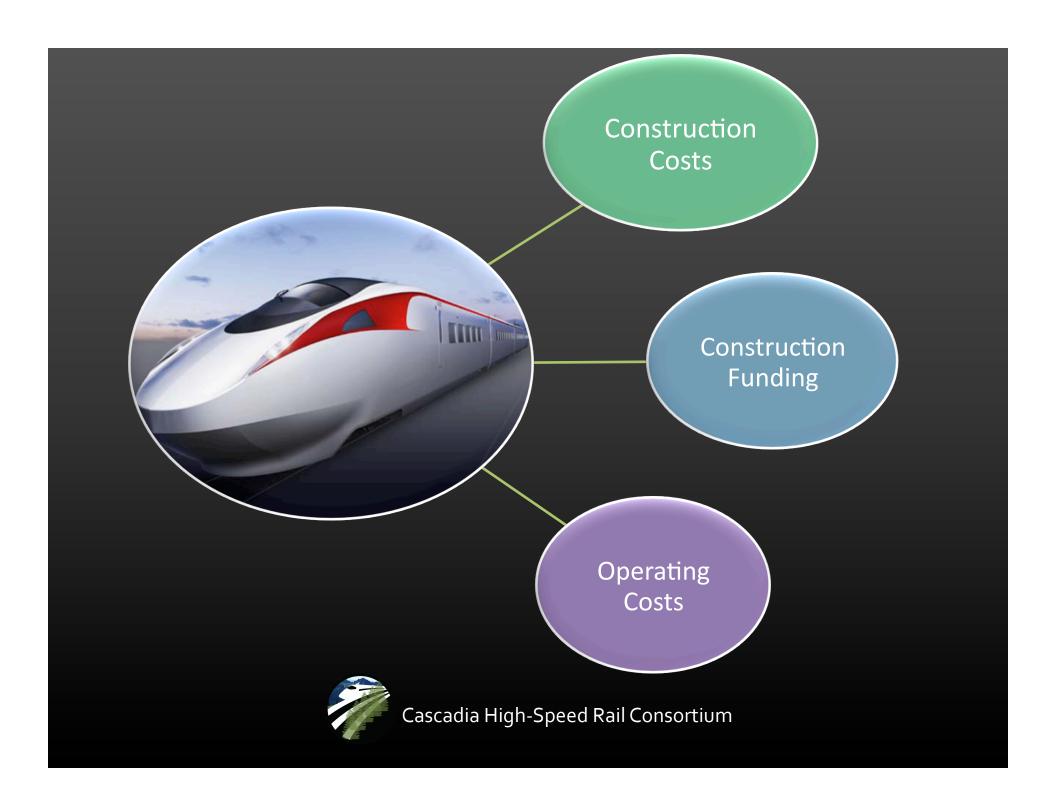
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COMING SUMMER 2022





Financials



Construction Costs



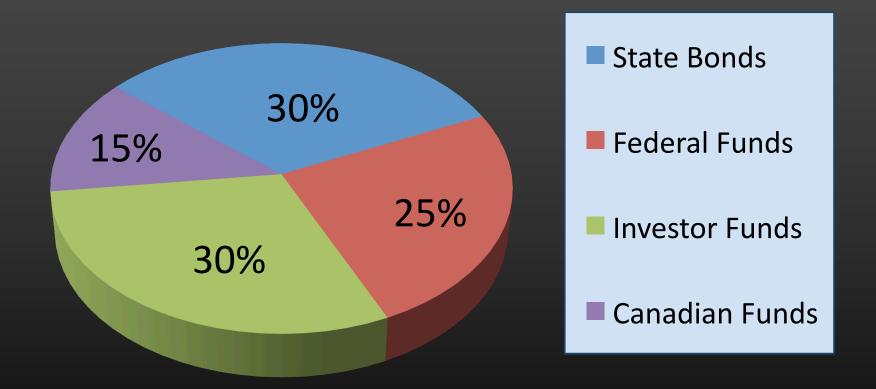


Construction Costs

HST Construction Costs (in millions of 2009 dollars)			
Land purchase and preparation	8,153		
Facilities & Cement Infrastructure	5,436		
Track, Station, & Train	2,373		
Labor Costs	3,550		
Program Implementation	2,584		
Final Design	1,060		
Right-of-Way	2,444		
TOTAL COST	25,600		



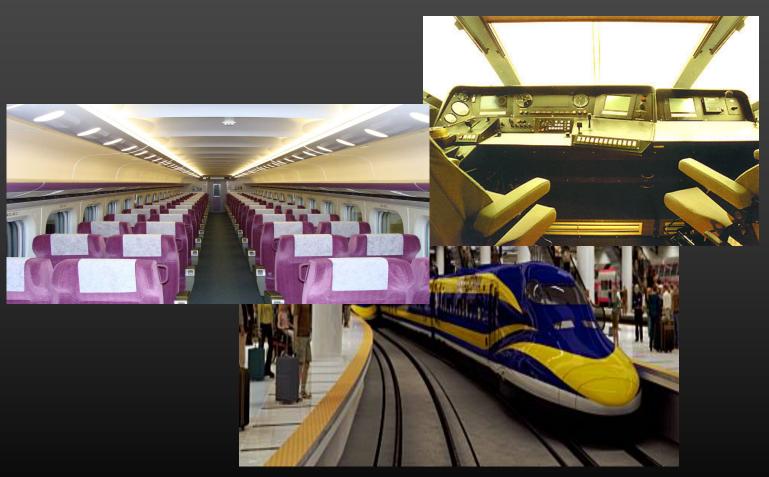
Source of Funding



Allocation of Funding

Construction Funding			
Federal Funding	30%	6,400	
State Bond Funding	25%	7,680	
Canada Funding	15%	3,840	
Investor Funding	30%	7,680	
Total Funding		25,600	

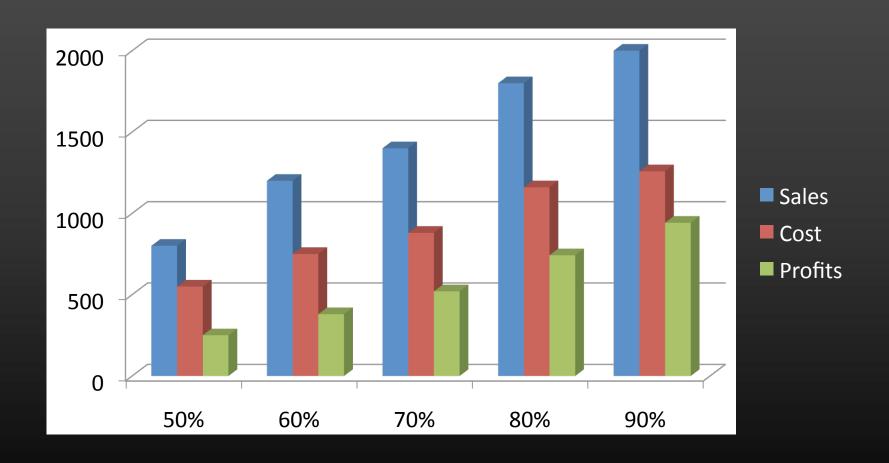
Operating Costs





Capacity

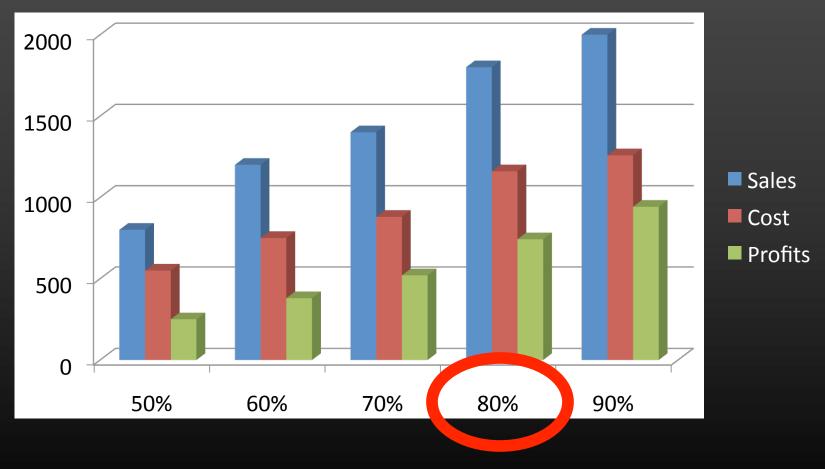
(2009 Dollars verse Percent Ridership)





Capacity

(2009 Dollars verse Percent Ridership)





80% Ridership

Annual Riders			
Market Pairs	Riders (millions)	\$\$\$\$ (millions of 2009 Dollars)	
Vancouver BC to Seattle	4	260	
Seattle to Portland	10.2	735	
Vancouver BC to Belling ham	.9	40	
Bellingham to Seattle	2.4	8.5	
Seattle to Olympia	2.5	105	
Olympia to Centralia	1.3	60	
Centralia to Portland	.8	38	
Olympia to Portland	2.9	112	
TOTAL	25	1,400	



Operating Costs at 80% Capacity

Operations and Maintenance Costs

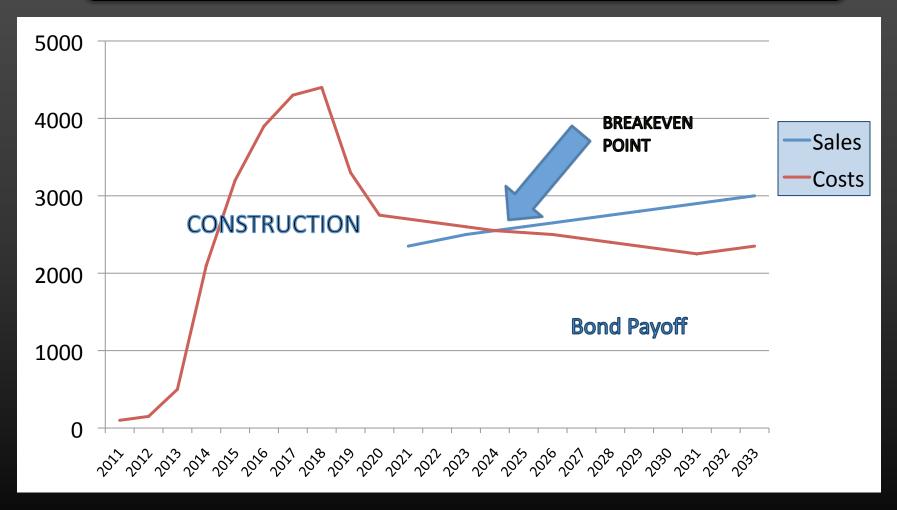
(millions of 2009 dollars)

Infrastructure Maintenance	\$118
Rolling Stock Maintenance	\$286
Operations	\$364
Insurance	\$102
TOTAL	\$800

Operating Profit at 80% Capacity

Annual Profit Sales - Costs (millions of 2009 Dollars)			
Ticket Sales	1,400		
Operating Costs	800		
Operating Profit	600		

Breakeven





Benefits





Capacity Profit and Investor Cut

Estimated Return on Investment

(Based on 2009 dollar values and 80% Capacity)

	%	\$	total
Investor Contribution	30%	\$7,680	
Annual Operating Revenue (estimated)	100%	\$600	
Investor Annual Profit	30%	\$180	
35 Year Pay Back of Initial Investment			\$7,680
35 Year Profit Total			\$6,300
Total Return			82%

Invest with Confidence

HST do not have a history of overruns

Profitable Investment

Annual profit of \$600 million

35-Year Ownership

• 30% Ownership

Return on Investment

• 82% Total





Investor Proposal



Require \$7.68 billion Investment (30% of project)



Investors Acquire 30% Stake in CHSR



Investors Receive 30% of Operating Profits



CHSR In Private Operation for 35-Years



Segment Planning & Permits Completed





Earthworks & Grade Separation Completed











Train Delivery & Testing Completed

Open for Passenger Service



On Track for the Future: Cascadia High-Speed Rail





Questions