

West Coast LNG Projects and Proposals Status Update (7/19/11)

Note: Changes since last update are in **bold**.

| Project Name, Company and Location | Average Production Capacity (Bcfd)* | Status |
|---|--|--|
| California | | |
| Port Esperanza Esperanza Energy LLC Offshore California | 1.2 Peak | Project feasibility study announced on March 4, 2006. 3/7/07 - Esperanza Energy, LLC announced plans to file applications with state and federal agencies to build a floating LNG receiving facility. This project is currently on hold with no date given for application submittal. |
| Oregon | | |
| Port Westward LNG Facility Port Westward LNG LLC Clatskanie, Oregon | 0.7 1.25 Peak | 3/10/06 - The Port of St. Helens has approved a 99-year lease agreement on land along the Columbia River. Delays in obtaining a lease had caused at least one major investor in February to withdraw from the project. Port officials expect the Thompson family, who own the land, to approve the agreement soon. The project still needs permits and financing, though officials state that there have been "serious inquiries" from financial backers since the port approved the lease agreement. |
| Oregon LNG Funding Partners Astoria, Oregon | 1.0 1.5 Peak | 4/21/09 – The U.S. Coast Guard issues a letter of recommendation for Oregon LNG. 6/8/09 – Oregon LNG signs MOU with the State of Oregon on CO2 mitigation, plant retirement and emergency preparedness. 11/18/09 – A federal magistrate rules that Astoria's Port should extend both its sublease with Oregon LNG and the Department of State Lands for three decades. 3/23/10 – Port of Astoria commissioners voted to renew a land lease with Oregon LNG. 5/14/10 – U.S. FERC asks Oregon LNG to schedule pipeline open season soon or withdraw the application for its authorization. Oregon LNG was the only respondent to the open season. 5/18/11 - Court upholds Clatsop County Commission decision to reject Oregon LNG pipeline project. |

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| Jordan Cove Energy Project Fort Chicago Energy Partners L.P. Coos Bay, Oregon | 1.0 | 11/07/07 – The Coos County Board of Commissioners voted to unanimously approve Jordan Cove Energy Project’s application for an Administrative Conditional Use (ACU) permit. 6/30/08 – The U.S. Coast Guard issues Water Suitability Assessment (WSA) Report; sites that significant changes are needed for project. 8/29/08 – FERC issues the Draft EIS, finds the project environmentally acceptable. 5/1/09 – FERC issues the Final EIS, finds the project environmentally acceptable. 12/17/09 – FERC approves Jordove Cove, Oregon Governor to appeal. 1/19/10 – The state of Oregon has petitioned FERC to rehear the case on Jordon Cove. 9/1/10 – PacificConnector Gas Pipeline sues the State of Oregon in federal court for delays. 10/15/10 – FERC issued a revised biological assessment Thursday that lists 12 protected species that could be harmed by the facility without adequate mitigation plans. Jordon Cove recently announced a proposal to build a natural gas generation facility near their proposed LNG terminal. |
| Canada | | |
| Port of Kitimat LNG Facility Apache Corp Kitimat, British Columbia | 0.64 (liquefaction) | 1/15/10 – Apache acquired a controlling 51% stake in Kitimat LNG, with Galveston LNG retaining 49%. 1/21/10 – Kitimat signs MOU with ‘major’ Japanese firm after MOU with Mitsubishi expired. EOG Canada acquires 49% from Galveston LNG Inc (May 2010). 10/27/10 – Korea Gas has begun commercial production at the Jackpine field in Canada, in which it holds a 50% stake. March 2011 – Ownership ships so that: 40 %Apache Corp., 30% EOG Resources Canada Inc., 30% Encana Corporation. KM LNG is the operator. 4/27/11 – Haisla Nation and LNG Partners of Houston have joined to propose an LNG export facility just north of Kitimat on Douglas Island in Bish Cove. The project will cost between 360 and 450 million dollars and will move about 125 MMcf/d. The project is scheduled to come online in 2013. |

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| Texada Island LNG Facility WestPac LNG Corp. Texada Island, British Columbia | 0.5 | On June 6, 2006 Westpac filed its official Project Description with the Prince Rupert Port Authority, formally beginning the regulatory review and environmental assessment process for the project. 8/1/07 – WestPac LNG Corp. has abandoned plans for a \$350-million liquefied natural gas terminal in Prince Rupert, B.C. and has proposed a \$2-billion LNG terminal and power plant on Texada Island in the Strait of Georgia. WestPac LNG plans to file a detailed Project Description with the BC Environmental Assessment Office and the Canadian Environmental Assessment Agency in early 2009. WestPac plans to put off filing its project description until the company has a better sense of new greenhouse gas (GHG) regulations that may come into effect. |
| Mt. Hayes Storage Project FortisBC Inc. Vancouver Island, British Columbia Note: This is a Peak Shaving facility not an Import facility. | 1.0 | Terasen Gas first applied in 2004 for permission to build the facility. Terasen Gas plans to submit a new application in 2007 to the BC Utilities Commission. On June 5, 2007, Terasen Gas (Vancouver Island) Inc. submitted a new application to the BC Utilities Commission. On November 15, 2007, Terasen Gas received conditional approval from the BC Utilities Commission. On April 1, 2008, Terasen Gas received final approval from the BC Utilities Commission to construct and operate a natural gas storage facility. Construction started in the month of April 2008. The new facility will be in service by 2011. March 1, 2011, Terasen Gas now operates under the name FortisBC Inc. |
| Mexico | | |
| Terminal GNL de Sonora El Paso Corp. and DKRW Energy LLC Sonora, Mexico | 1.3 | Mexico has issued three environmental permits for the Sonora LNG Project. Project managers are now attempting to secure potential LNG suppliers. |

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| Energia Costa Azul LNG Facility Sempra Energy LNG Corp. Ensenada, Baja California | 1.0 | <p>3/18/08 – The first cargo from Sakhalin 2 is scheduled to set sail for Tokyo Bay on March 28-29. 4/8/09 – Gazprom and Royal Dutch Shell has officially reached an agreement that would send LNG from Sakhalin 2 to Energia Coasta Azul in Baja California, Mexico. 5/15/09 – Tangguh startup has been delayed until July. 7/2/09 – Sempra expects to deliver first Tangguh cargo to Costa Azul this quarter. 8/5/09 – Tangguh train 2 could be delayed until October to supply Costa Azul due to technical problems. 8/28/09 - 1.45 Bcf from Tangguh 1 (before maintenance issues) arrived at Costa Azul on Saturday (8/29/09). 11/30/09 – Tangguh 1 is expected to be back online by the end of December. 4/22/10 – Costa Azul is to start receiving standard cargos of 3 Bcf every 12 days. 6/11/10 – The first LNG cargo from new Peru LNG plant will go to Costa Azul this week.</p> <p>6/21/10 – Costa Azul terminal will continue to operate despite court order to suspend operations over land dispute. 6/29/10 – Mexican court revokes order to suspend Sempra terminal permit.</p> |

*Bcf/d = Billion cubic feet per day