Northwest Electric Market

This map was created using Platts PowerMap.
Overview

Geography

States covered: All or most of Washington, Oregon, Idaho, Utah, Nevada, Montana, Wyoming and part of California.

Reliability region: Northwest Power Pool Area (NWPP) sub-region of the Western Electric Coordinating Council (WECC).

Balancing authorities: See page 5.

Hubs: California-Oregon Border (COB), Mid-Columbia (Mid-C)

RTO/ISO

None

Generation/Supply

Marginal fuel type: Hydro and natural gas

Generating capacity (winter 2005): 57,120 MW

Capacity reserve (winter 2005): 16,822 MW

Reserve margin (winter 2005): 42%

When taken together, hydro, fossil fuels, nuclear energy, and renewable resources, were adequate to provide electricity in excess of in-region needs.
Northwest Electric Market: Overview and Focal Points

Federal Energy Regulatory Commission • Market Oversight @ FERC.gov

Demand

All time peak demand (2005): 40,298 MW

Peak demand growth: 1.5% (2004–2005)

Prices

Index Annual Average of Daily Bilateral Day Ahead On-Peak Prices:

Platts California-Oregon Border (COB) Hub:


Platts Mid-Columbia (Mid-C) Hub:

2004: $44.50/MWh  2005: $62.95/MWh  2006: $50.18/MWh  2007: $56.57/MWh

Physical and financial electricity products are traded through brokers using the Mid-Columbia (Mid-C) and California-Oregon Border (COB) hubs as pricing points.

Interconnections/Seams

The region relies on hydroelectric production for approximately two thirds of its electricity needs. In most years, Northwest sells surplus power into California and the Southwest.
Balancing Authorities in the Northwest Electric Market

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<th>Balancing Authority</th>
<th>NERC Acronym</th>
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<td>Bonneville Power Administration</td>
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<td>British Columbia Transmission Corporation</td>
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<td>Tacoma Power</td>
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<td>Western Area Power Administration - Upper Great Plains West</td>
<td>WAUW</td>
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</tbody>
</table>

Source: NERC (www.tsin.com)
Implied Heat Rates at Western Trading Points Weekly Averages

Source: Derived from *Platts* on-peak electric and natural gas price data

Updated: August 03, 2011
Northwestern Daily Bilateral Day-Ahead On-Peak Prices

Source: Derived from Platts data
August 2011
Western Daily Bilateral Day-Ahead On-Peak Prices

Price ($/MWh)

Source: Derived from Platts data

Updated: August 03, 2011
Northwest Electric Market: Generation Output and Temperatures

Weekly Power Generation & Temps. - Rocky Mountains

Source: Derived from EEI and NOAA data
August 2011

Updated: August 09, 2011
Northwest Electric Market: Generation Output and Temperatures

Weekly Power Generation & Temps. - Pacific Northwest

Source: Derived from EEI and NOAA data
August 2011

Updated: August 09, 2011
Stream Flows at the Dalles Dam

5-Year Range, 2006-2010
2011 Outflow
2010 Outflow

Outflow (kcfs)

Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  Nov  Dec

Note: Trend lines are 7-day moving averages
Source: Derived from USACE data
August 2011

Updated: August 03, 2011
Notes: Trend lines are 7-day moving averages
Source: Derived from USACE data reflecting the output of the 24 largest facilities
August 2011