

System Condition Update

Spring Operations Review Forum

May 11, 2012

1:00 – 2:00 p.m.

To participate in the call please dial: **(877) 336-1839**

When prompted, enter access code: 1687421

Updated: 10:45 a.m. on May 11



**Celebrating 75 years of
serving the Northwest**

Hydro Operations Update

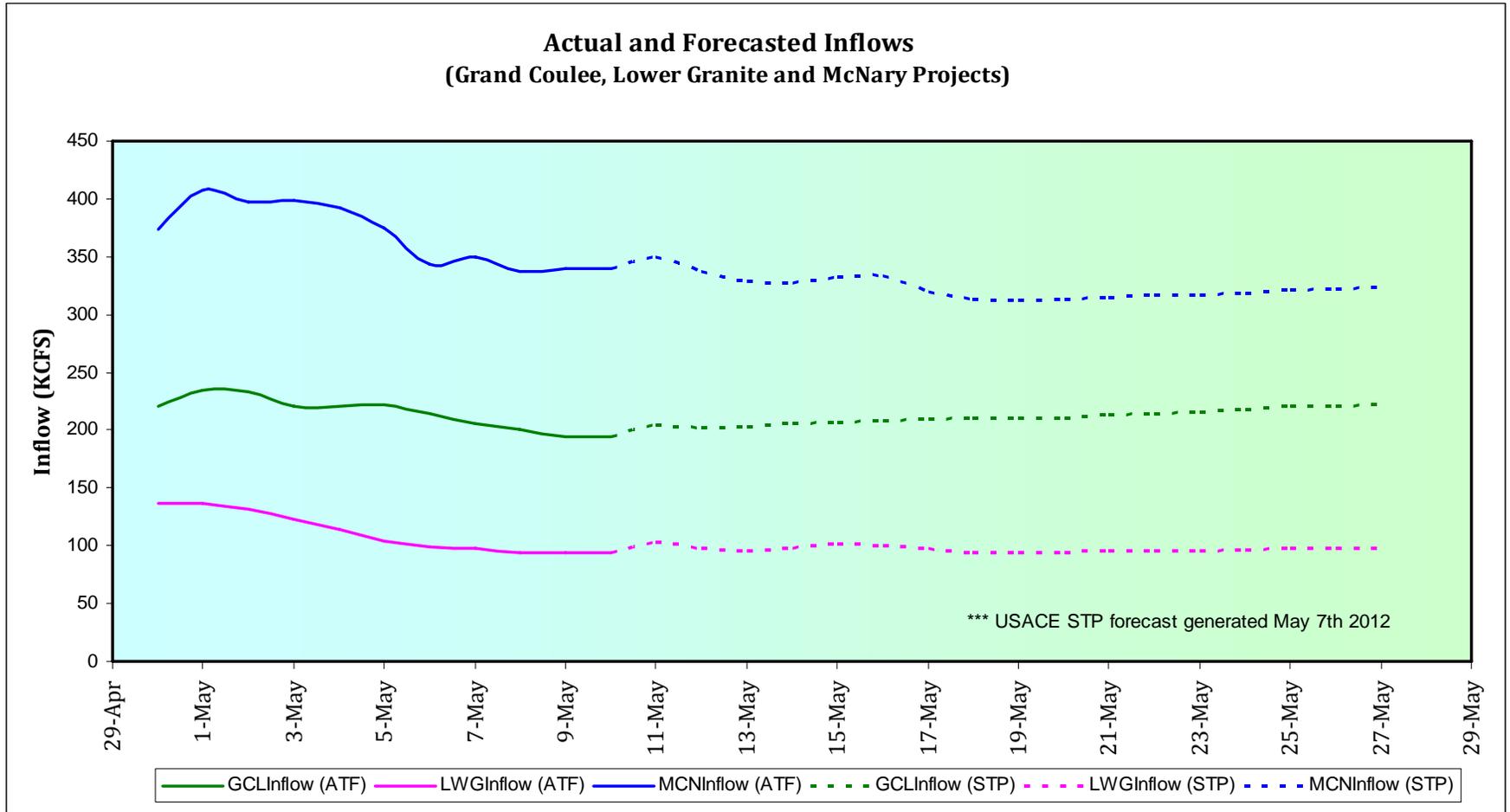
The Federal Columbia River Power System is being operated for system wide flood control objectives.

- Reservoir operations transitioned from drafting to refill on April 24.
- Operating the system with a maximum elevation at Grand Coulee of 1244 ft on May 13.
- The NW River Forecast Center's May 8, January-July Water Supply Forecast at The Dalles is 118.4 million acre-feet.
- OMP has not been implemented this week. To date, approximately 20,600 MW-hrs of wind generation have been displaced. Please refer to the external website for further details.
- Inc Reserves were limited for about 5 hours early in the morning on May 10 for a special operation in the Lower Columbia. This required additional water to be moved through the turbines to stay within TDG limits.

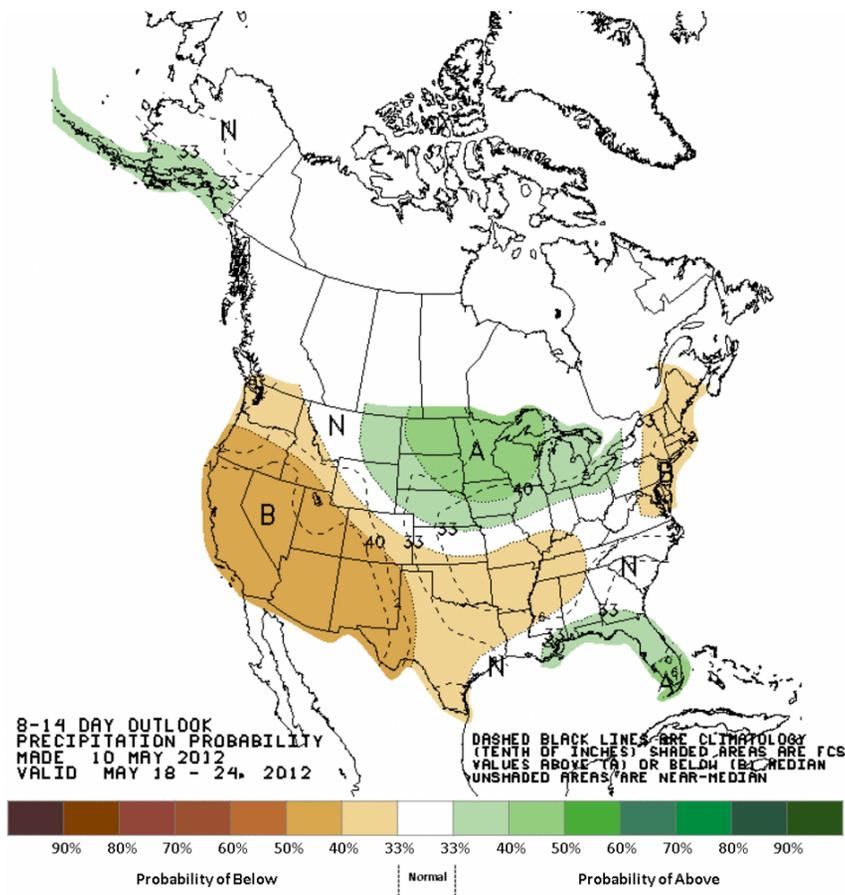
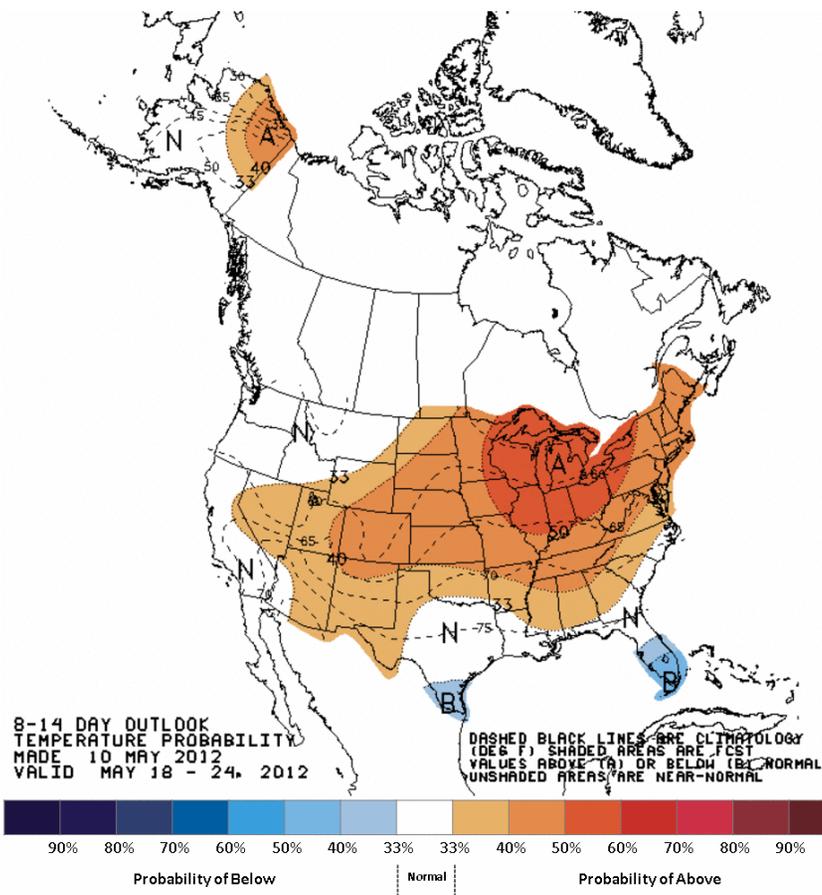
Actions to manage oversupply

- Last fall/winter BPA and BCH released water from non-treaty storage in Canada. That space is providing additional flexibility in managing flows. Although there have been no storage transactions yet this spring, the space created by the releases last fall/winter has allowed Arrow outflows to be lower than they would have been absent the Non-Treaty Storage agreement.
- As of May 9, BPA has acquired 66,260 MWh under the Mid-Columbia Spill Exchange agreement.
- Maximizing the amount of pump load.
- Have moved non-essential generator and transmission maintenance outages out of May and June.
- Coordinated spill on Willamette projects.
- CGS has been reduced to 85% during periods when it was helpful to minimize spill.
- Spill due to lack of demand.
- BPA has developed and is now using a new product that allows for recallable energy that is helping to reduce the amount of over-generation spill and OMP.
- INC/DEC reserves were reduced last week and through the weekend to manage TDG levels. By Monday inflows had reduced enough that we could carry full reserves and still maintain spill for reserves within 120% TDG.

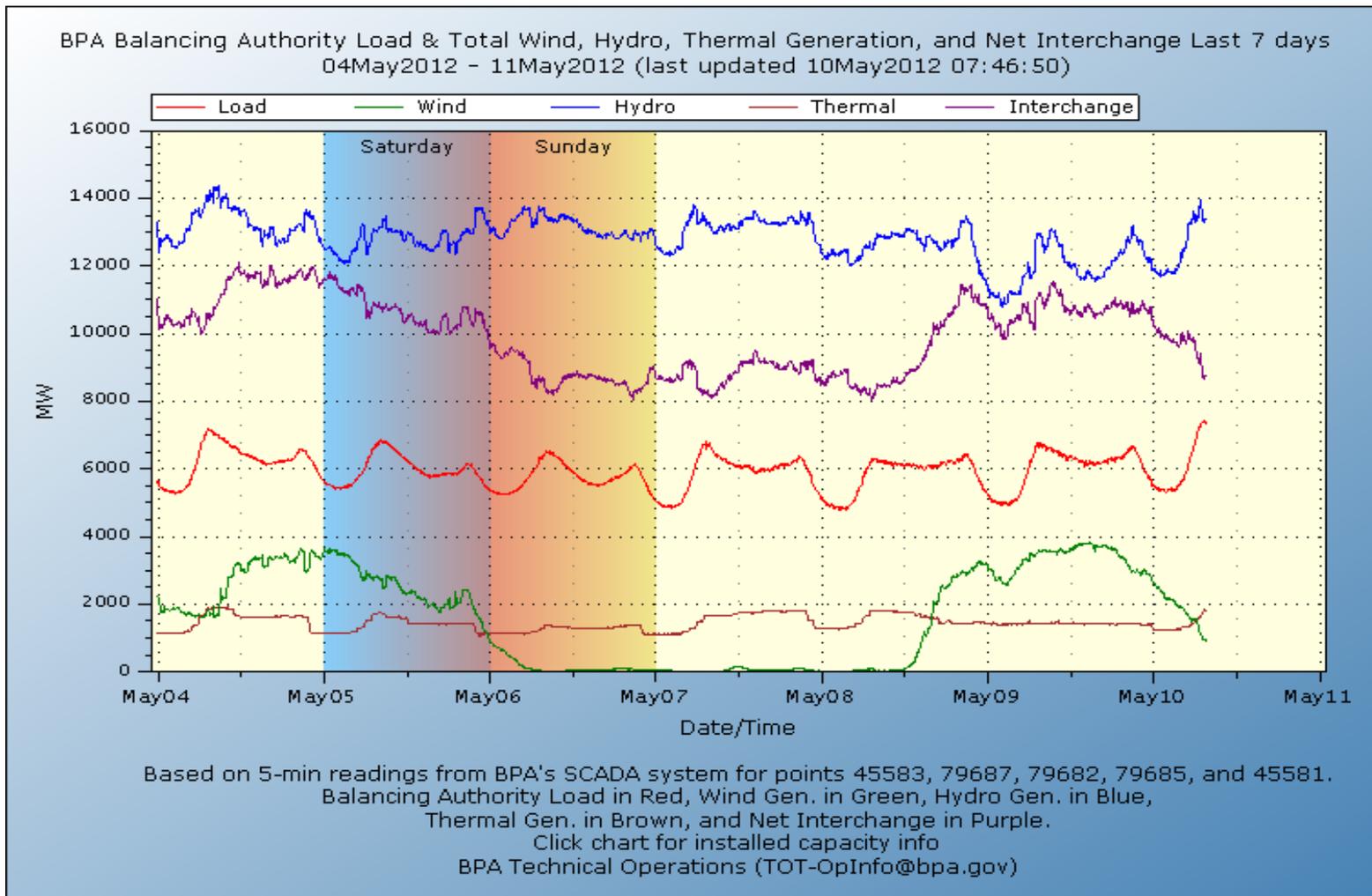
Actual and Forecasted Flows



Weather and Streamflow



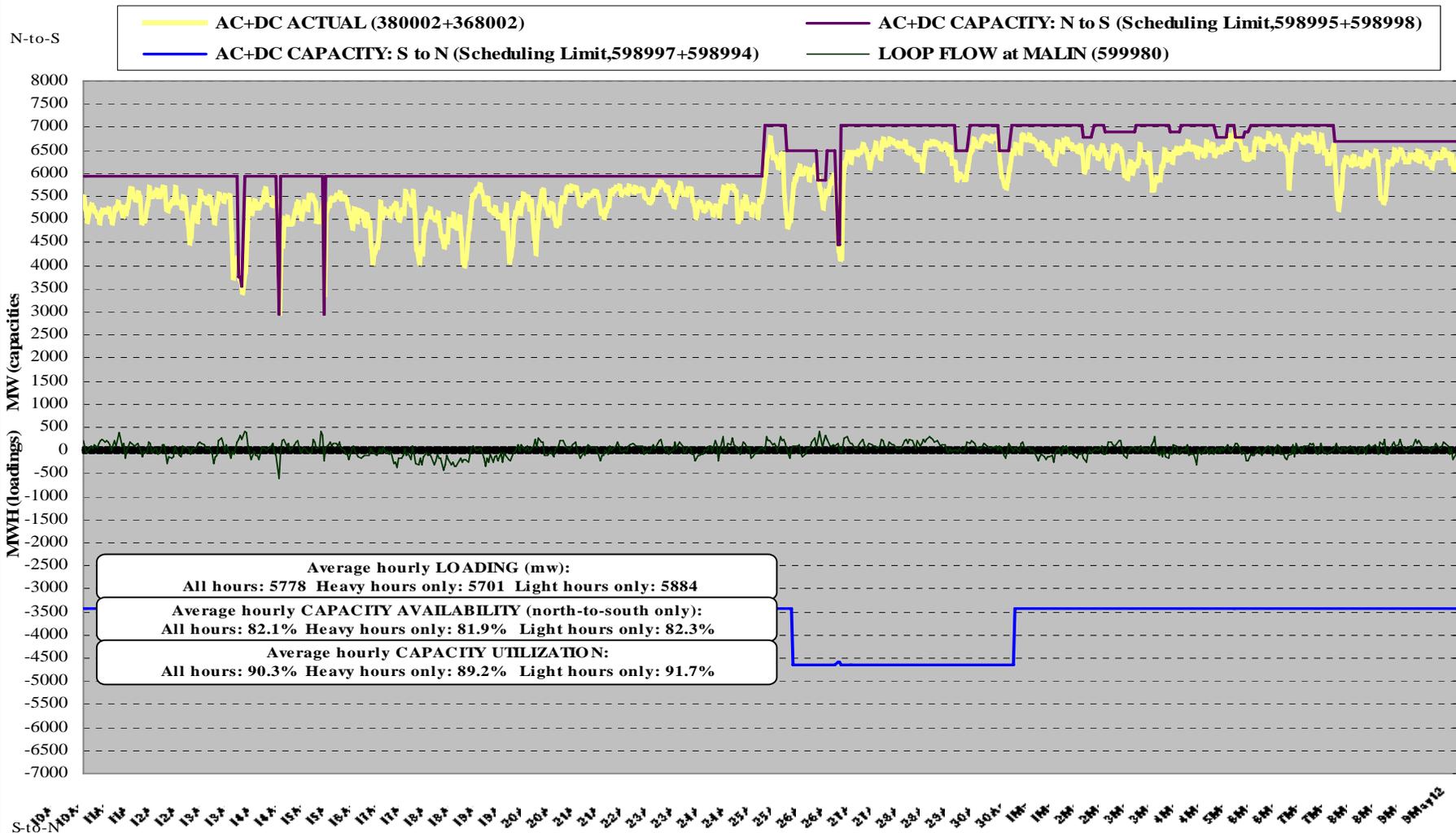
Balancing Authority Load and Total Wind, Hydro, and Thermal Generation



Transmission Updates

- **COI N>S**
 - 3700 MW: Through 5/24 due to CAISO Colgate-Rio Oso and Table Mountain-Rio Oso 230kV Line
 - 4050 MW: Through 6/1 due to CAISO Tracy-Los Banos 500kV Line.
- **PDCI N>S**
 - 2990 MW : At rated capacity next seven days.
- **NI S>N**
 - 1950 MW: Preschedule forecasted capacity at or near rated capacity over next seven days given current outage schedule.

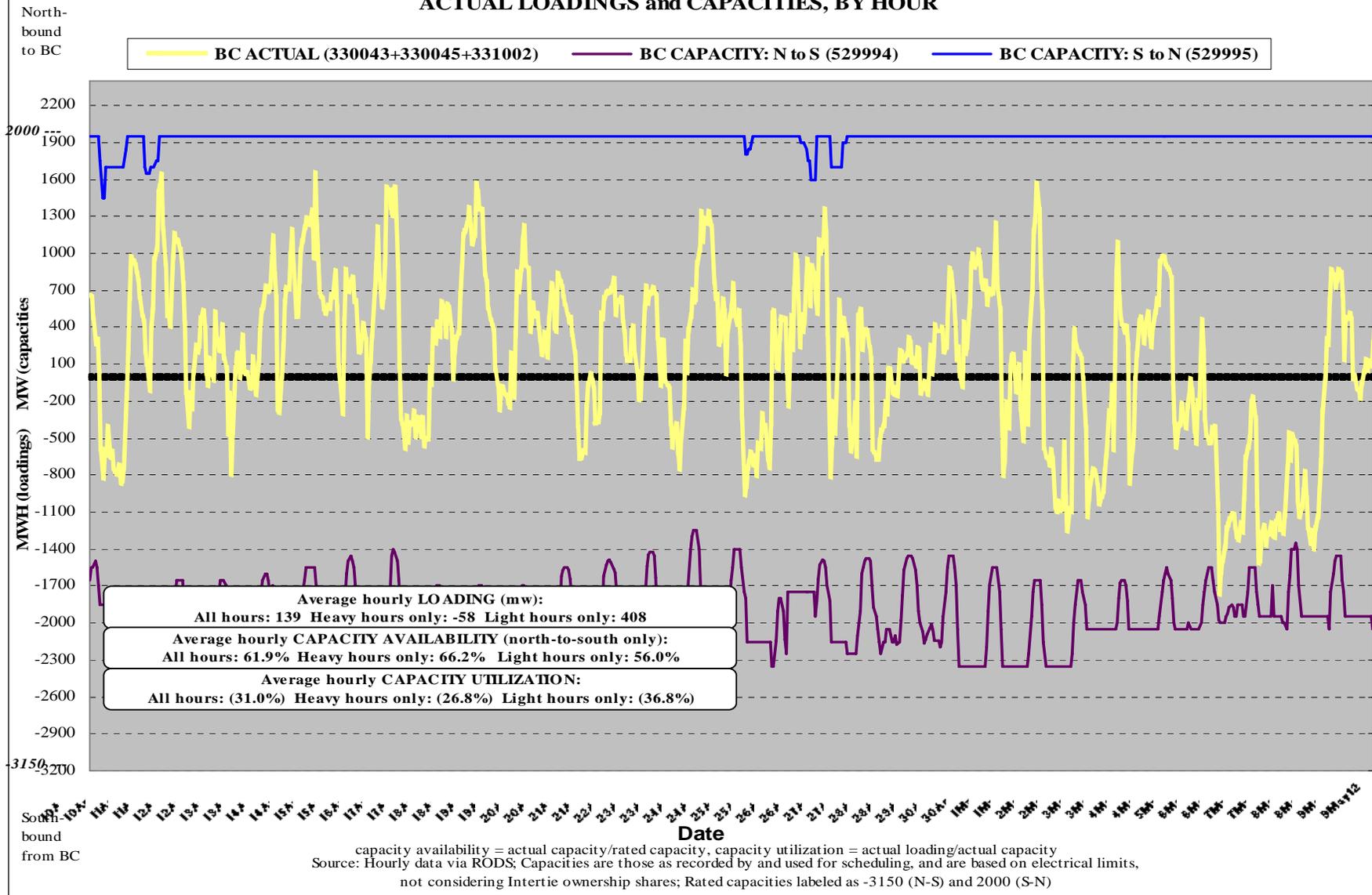
AC+DC INTERTIE AVAILABILITY & UTILIZATION: 10APR12 - 09MAY12 (30 days) ACTUAL LOADINGS and CAPACITIES, BY HOUR



capacity availability = actual capacity/rated capacity, capacity utilization = actual loading/actual capacity
Source: Hourly data via RODS; Capacities are those at COB or NOB and reflect total path scheduling limit

Actuals may exceed scheduling limit as long as conditions remain within North-of-John-Day vs. COI & PDCI operating nomogram limits

BC INTERTIE (WEST+EAST) AVAILABILITY & UTILIZATION: 10APR12 - 09MAY12 (30 days)
ACTUAL LOADINGS and CAPACITIES, BY HOUR



Contact Information

- To discuss within month commercial transactions, please contact Robert Johnson at (503) 230-3183, rcjohnson@bpa.gov.
- To discuss prompt month and forward transactions, please contact Alex Spain at (503) 230-5780, ajspain@bpa.gov or Mark Miller at (503) 230-5780, memiller@bpa.gov.
- For additional information on Oversupply, please contact:
Project Manager: Nita Burbank - (503) 230-3935, nmburbank@bpa.gov
Public Engagement: Maryam Asgharian - (503) 230-4413, maasgharian@bpa.gov
- Overgeneration website:
<http://www.bpa.gov/corporate/AgencyTopics/ColumbiaRiverHighWaterMgmt/>