

# System Condition Update

## Spring Operations Review Forum

May 18, 2012

1:00 – 2:00 p.m.

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

When prompted, enter access code: 1687421



Celebrating 75 years of  
serving the Northwest

# Hydro Operations Update

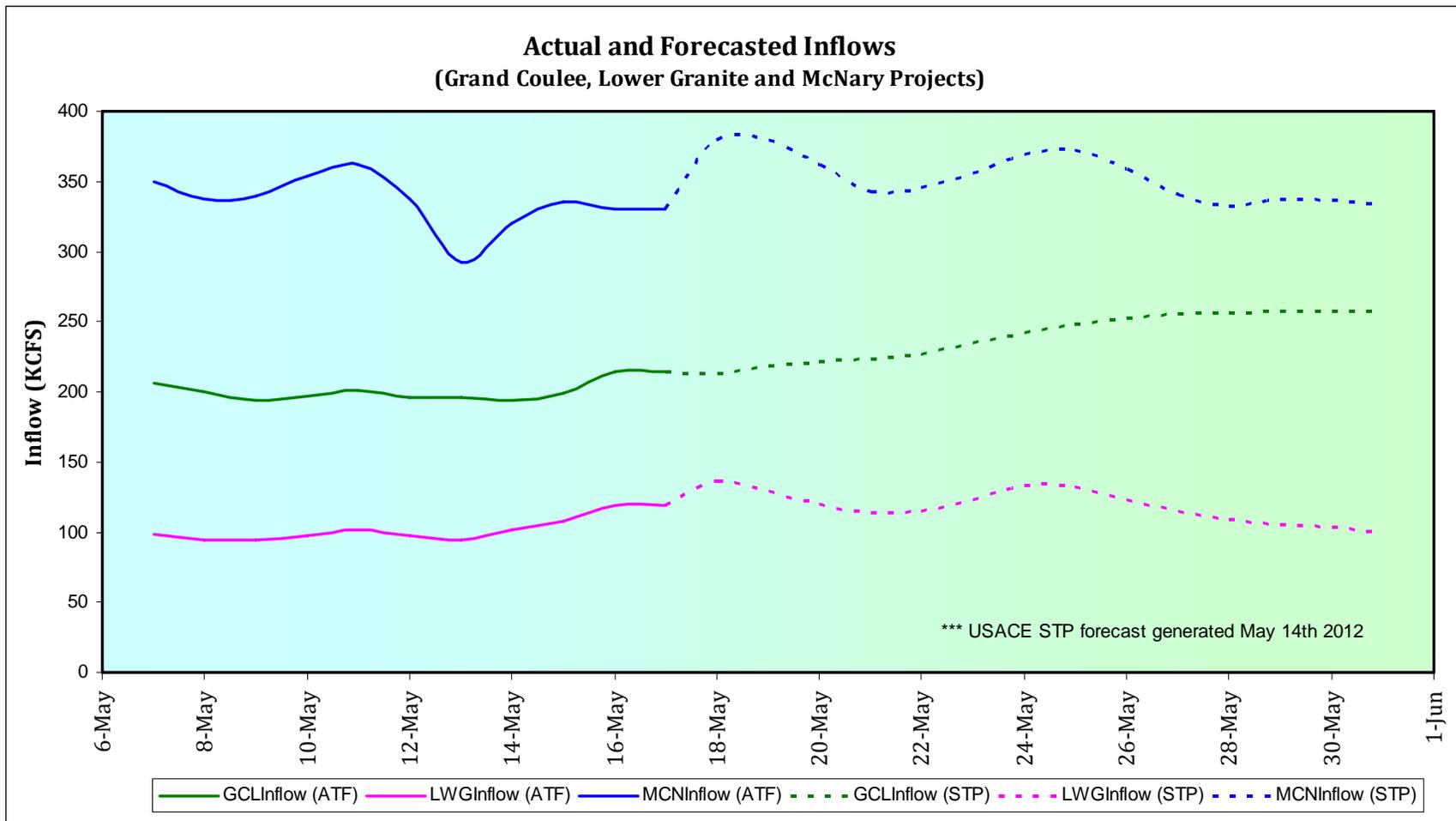
The Federal Columbia River Power System is being operated for system wide flood control objectives.

- Reservoir operations transitioned from drafting to refill on April 24.
- Continue to operate the system for flood control/refill operations. Maximum discharge at The Dalles of 420 kcfs.
- The NW River Forecast Center's May 13, January-July Water Supply Forecast at The Dalles is 120 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.
- Columbia Generating Station is scheduled to ramp down on Saturday to zero for approximately 10 days for planned maintenance.

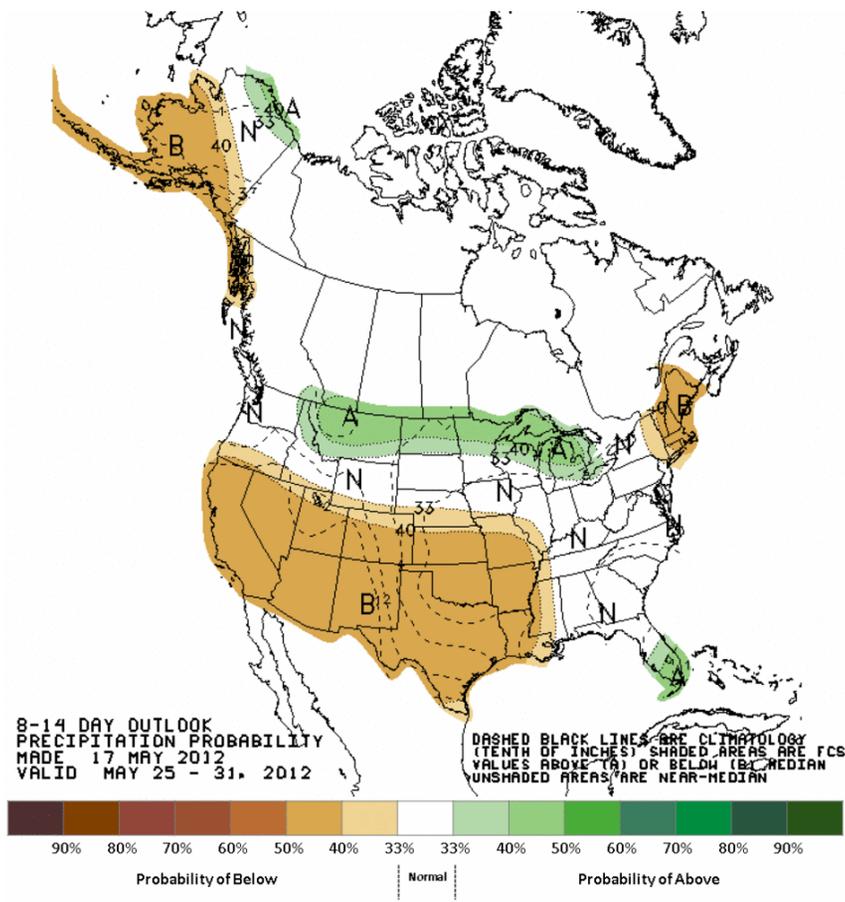
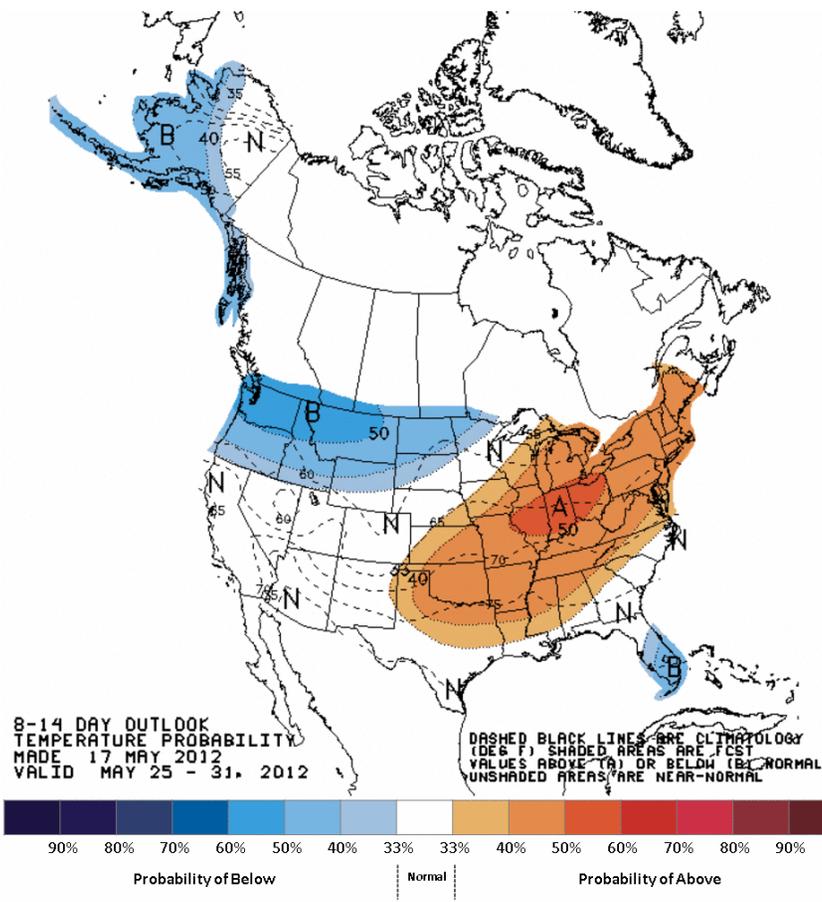
# Actions to manage oversupply

- Last fall/winter BPA and BC Hydro 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 16, 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.
- DEC reserves were reduced briefly Thursday to manage to system operational objectives.

# Actual and Forecasted Flows

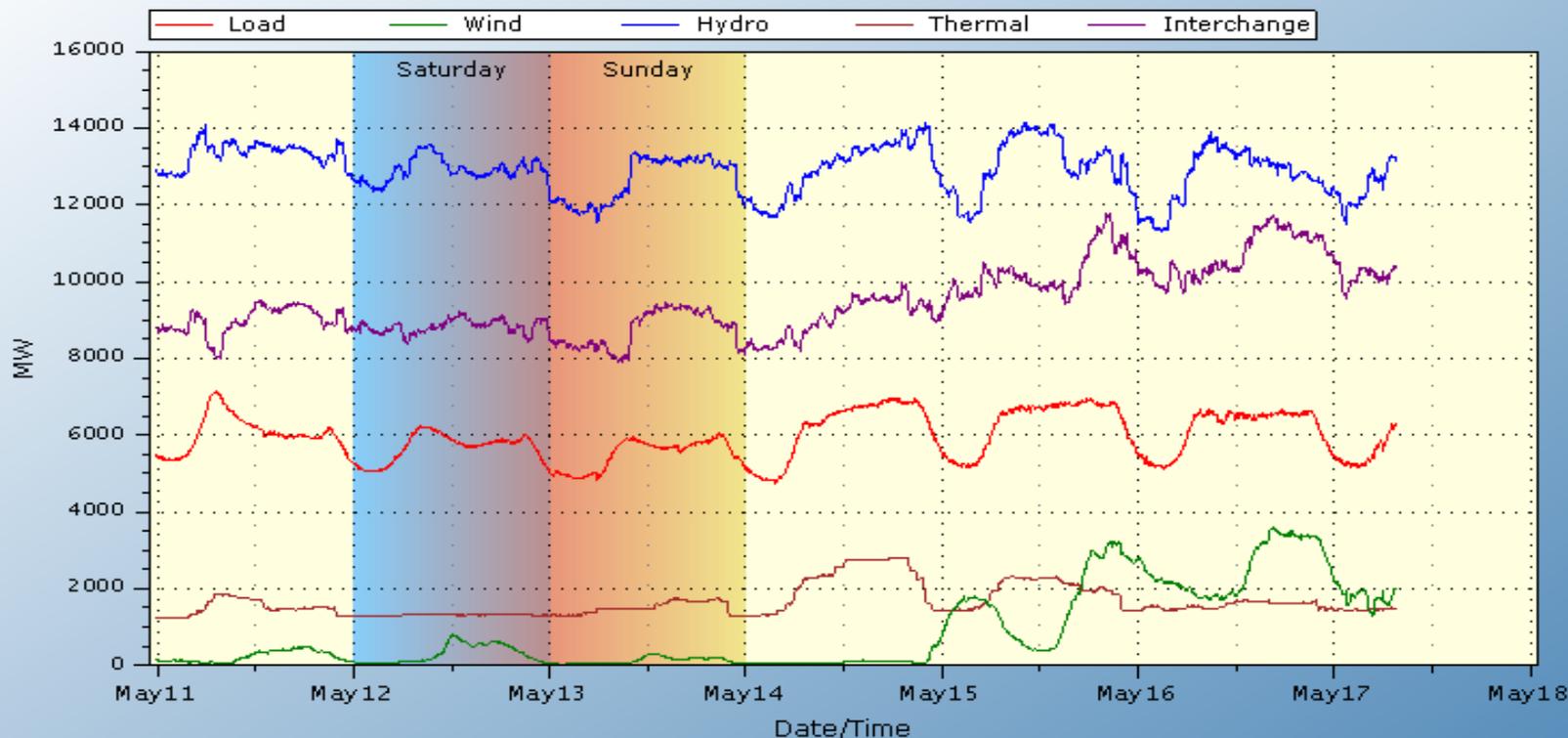


# Weather and Streamflow



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

BPA Balancing Authority Load & Total Wind, Hydro, Thermal Generation, and Net Interchange Last 7 days  
 11May2012 - 18May2012 (last updated 17May2012 07:41:53)



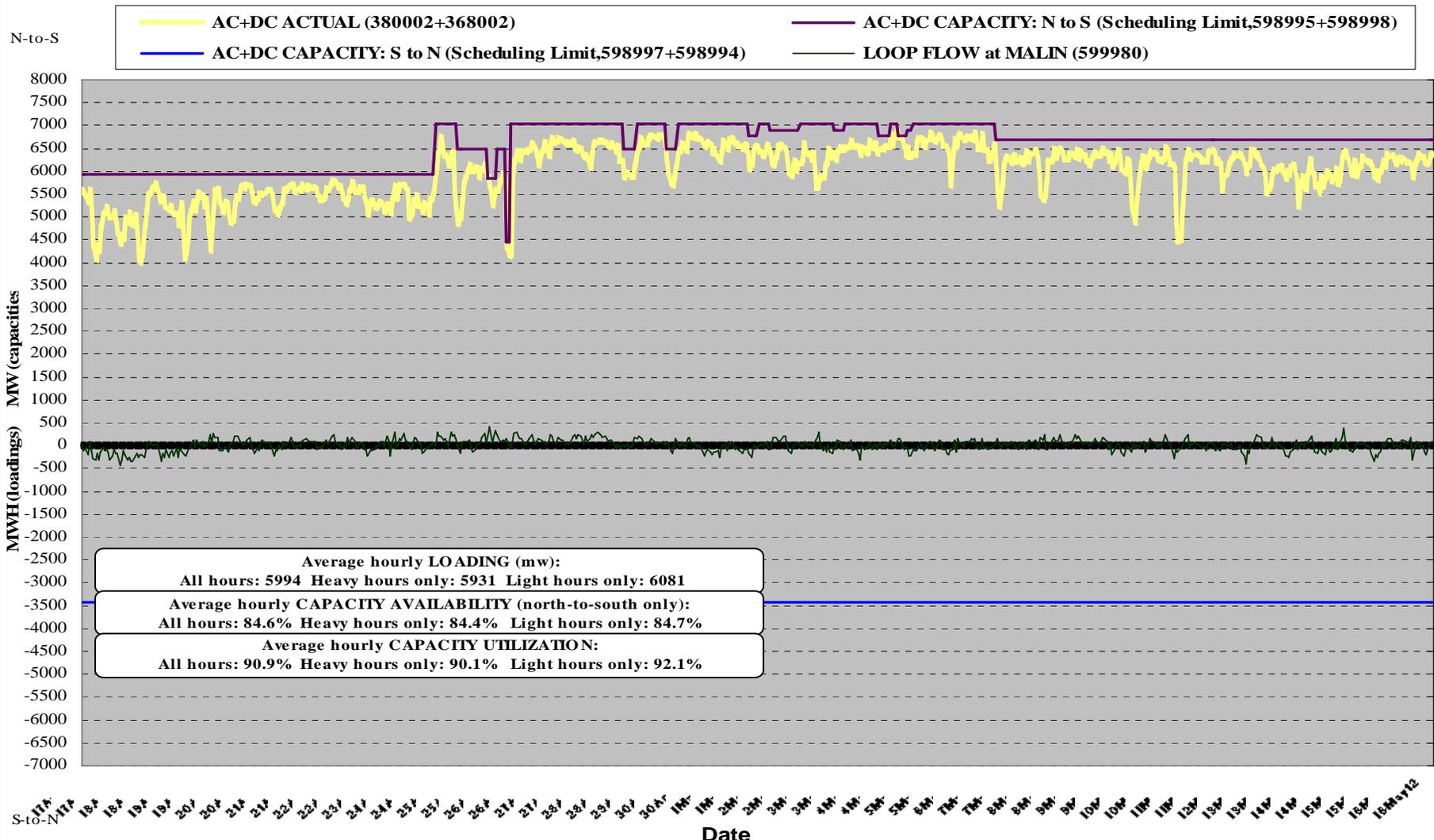
Based on 5-min readings from BPA's SCADA system for points 45583, 79687, 79682, 79685, and 45581.  
 Balancing Authority Load in Red, Wind Gen. in Green, Hydro Gen. in Blue,  
 Thermal Gen. in Brown, and Net Interchange in Purple.  
 Click chart for installed capacity info  
 BPA Technical Operations (TOT-OpInfo@bpa.gov)

# 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: At or near rated capacity, some hours with small nomogram deductions due to system conditions.

## AC+DC INTERTIE AVAILABILITY & UTILIZATION: 17APR12 - 16MAY12 (30 days)

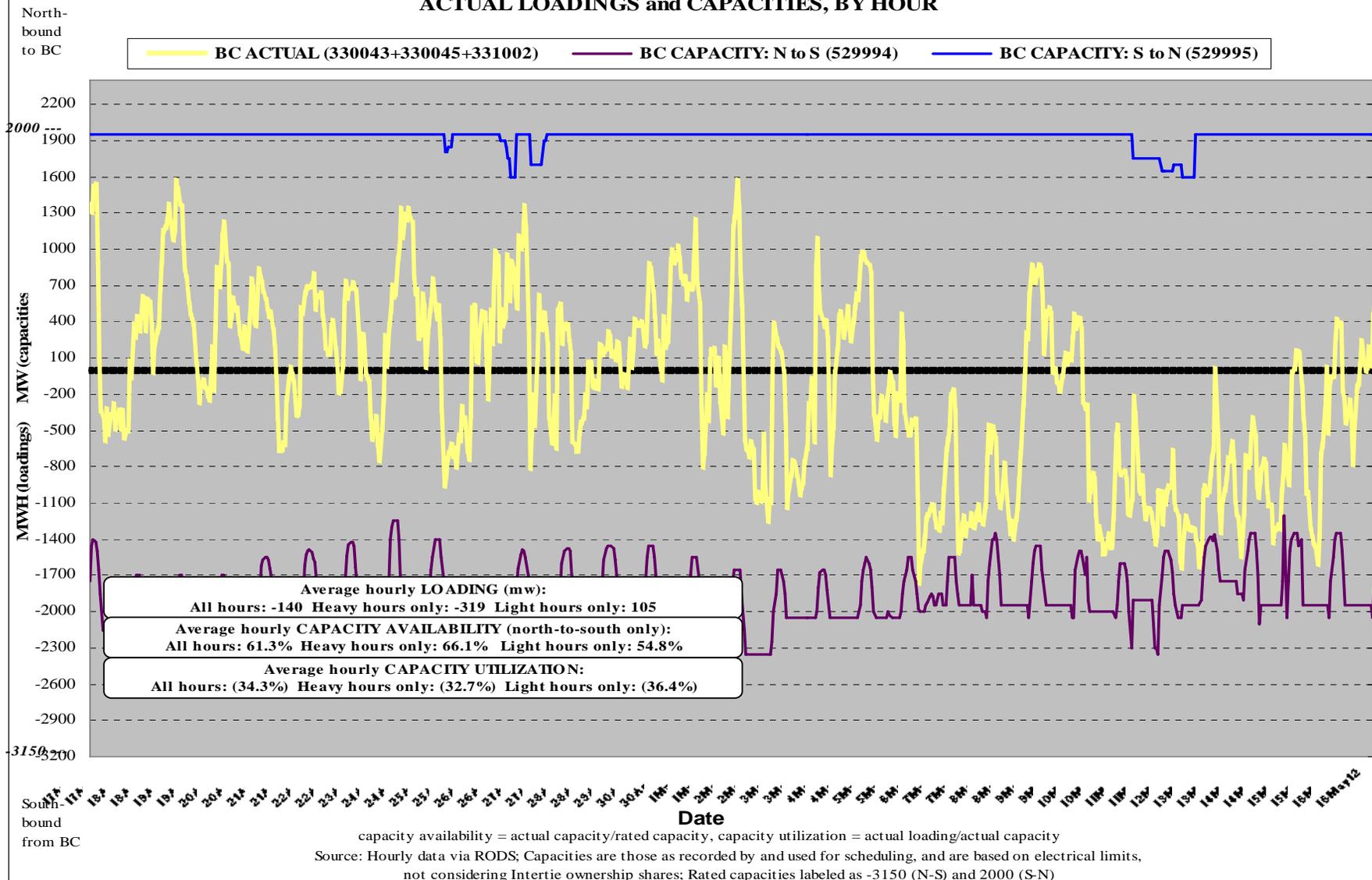
### ACTUAL LOADINGS and CAPACITIES, BY HOUR



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: 17APR12 - 16MAY12 (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](mailto:rcjohnson@bpa.gov).
- To discuss prompt month and forward transactions, please contact Alex Spain at (503) 230-5780, [ajspain@bpa.gov](mailto:ajspain@bpa.gov) or Mark Miller at (503) 230-5780, [memiller@bpa.gov](mailto:memiller@bpa.gov).
- For additional information on Oversupply, please contact:  
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Public Engagement: Maryam Asgharian - (503) 230-4413, [maasgharian@bpa.gov](mailto:maasgharian@bpa.gov)
- Overgeneration website:  
<http://www.bpa.gov/corporate/AgencyTopics/ColumbiaRiverHighWaterMgmt/>