

# System Condition Update

## Spring Operations Review

May 16, 2013

2:00 – 3:00 p.m.

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

When prompted, enter access code: 1687421

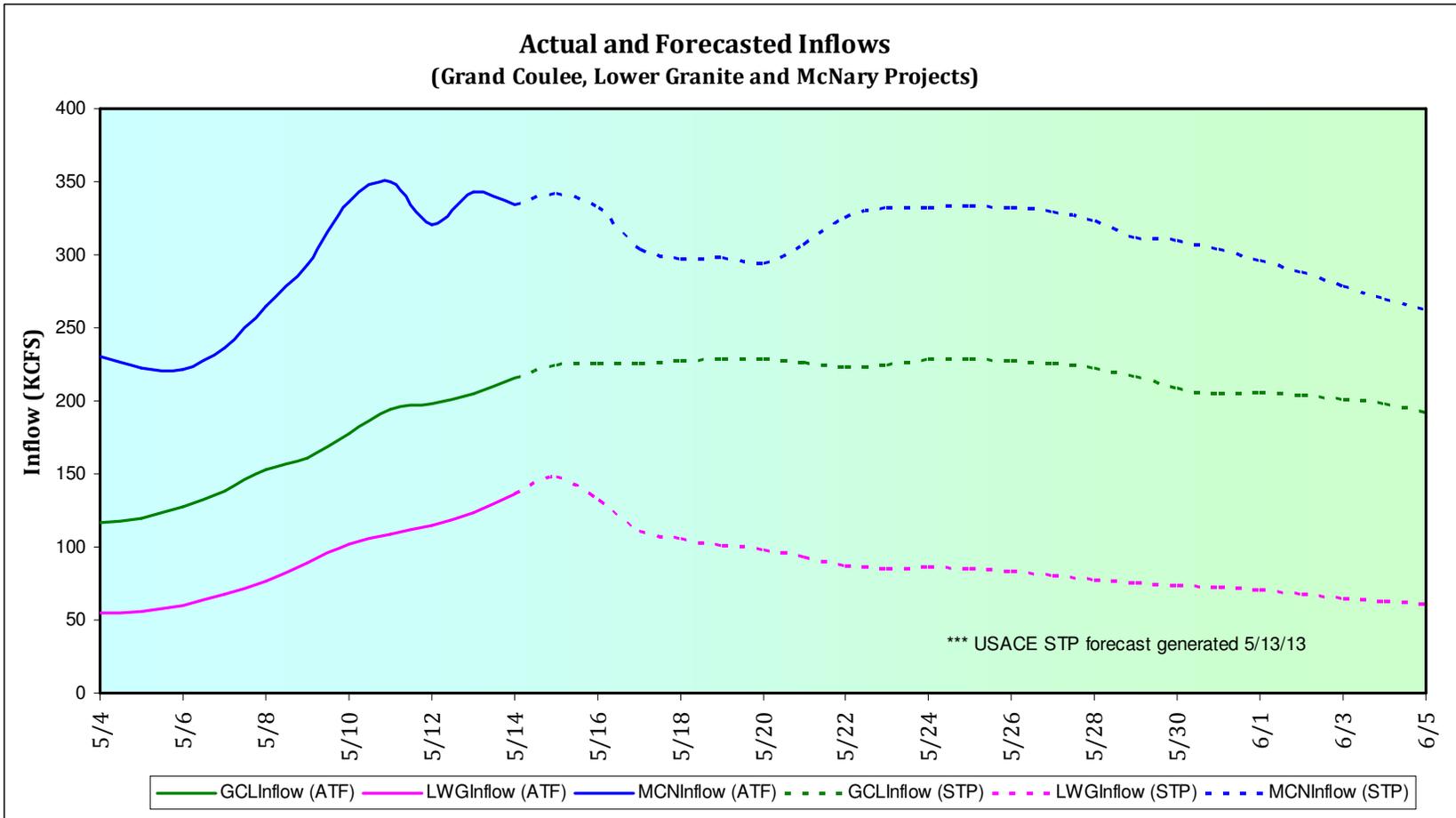
# Hydro Operations Update

- The Federal Columbia River Power System is being operated for system wide flood control objectives.
- Currently operating GCL to not exceed 1277.2' prior to June 1.
- Reservoir operations has transitioned to refill.
- Operating the system for flood control operations of max instantaneous flow of 340 kcfs at TDA and max hourly flow of 350 kcfs at JDA.
- The NW River Forecast Center's May 14th Official Water Supply Forecast for January-July at The Dalles is 98.0 million acre-feet.
  - Increase from 92.4 Maf forecast on May 7.

# Actions to manage oversupply

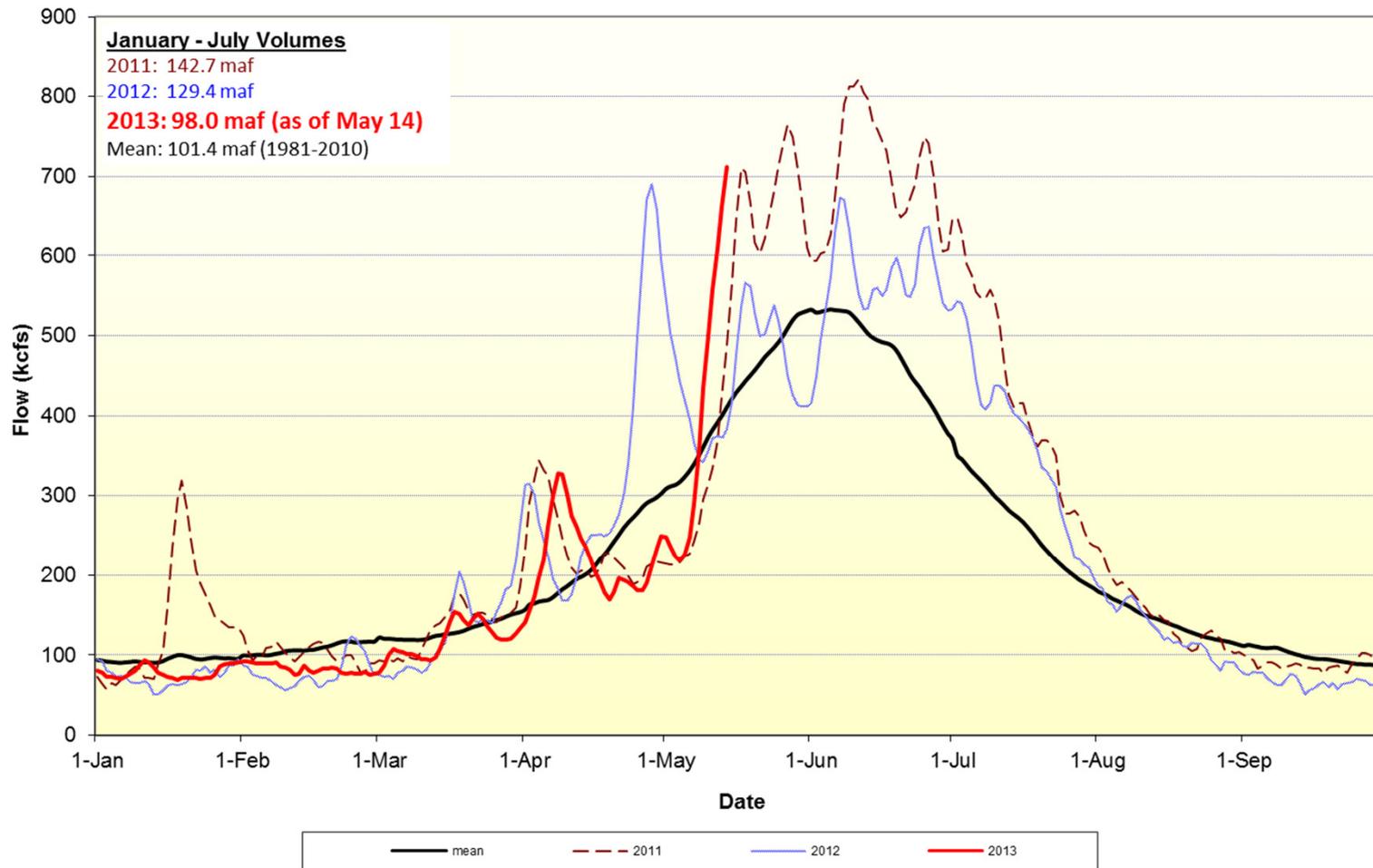
- To the extent possible BPA will coordinate spill exchange with the Mid-Columbia projects under the Mid-Columbia Spill Exchange agreement.
- BPA will attempt to maximize the amount of pump load with available pumping units during LLH's.
- Moved non-essential generator and transmission maintenance outages out of May and June.
- Have arranged to spill at the Willamette projects up to TDG limits.
- There has been spill due to lack of demand within water quality limits.
- Recallable energy is being used to reduce the amount of over-generation spill and OMP.
- INC/DEC will be reduced as necessary to manage TDG levels and reduce the chance of implementing OMP.
- BPA will exercise displacement options on power purchase agreements.
- CGS is out of service for refueling until middle of June.
- BPA has made arrangements with a few counterparties to waive loss returns.

# Actual and Forecasted Flows



# Weather and Streamflow

## Natural Flows at The Dalles



# Weather and Streamflow

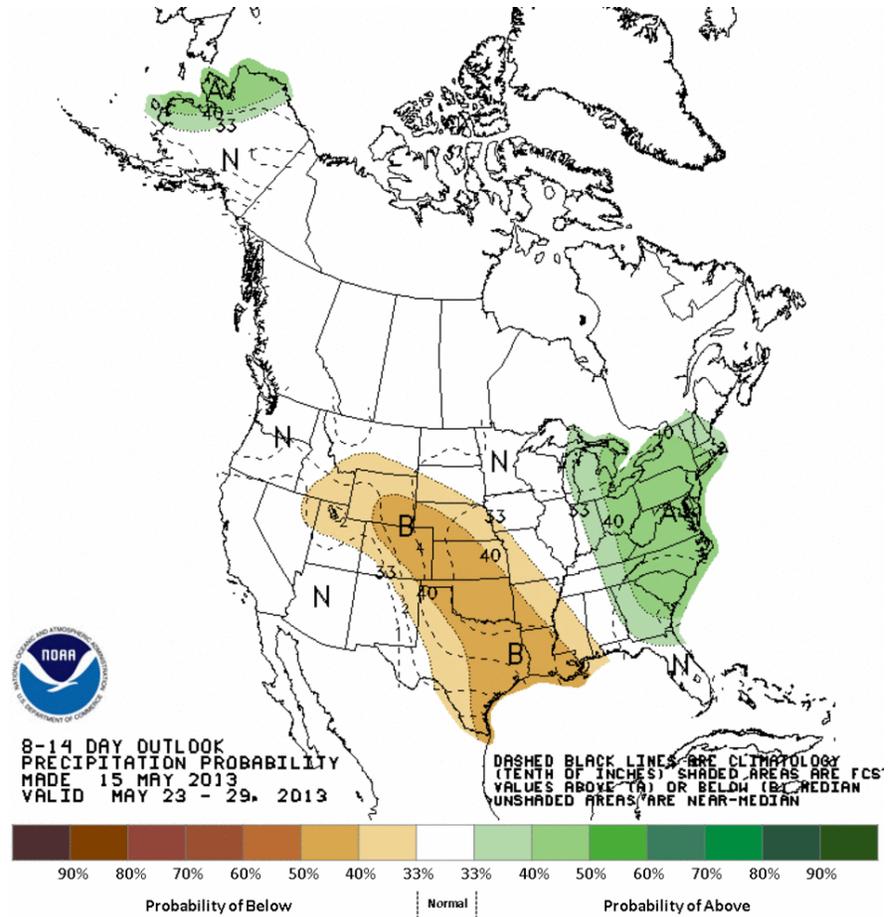
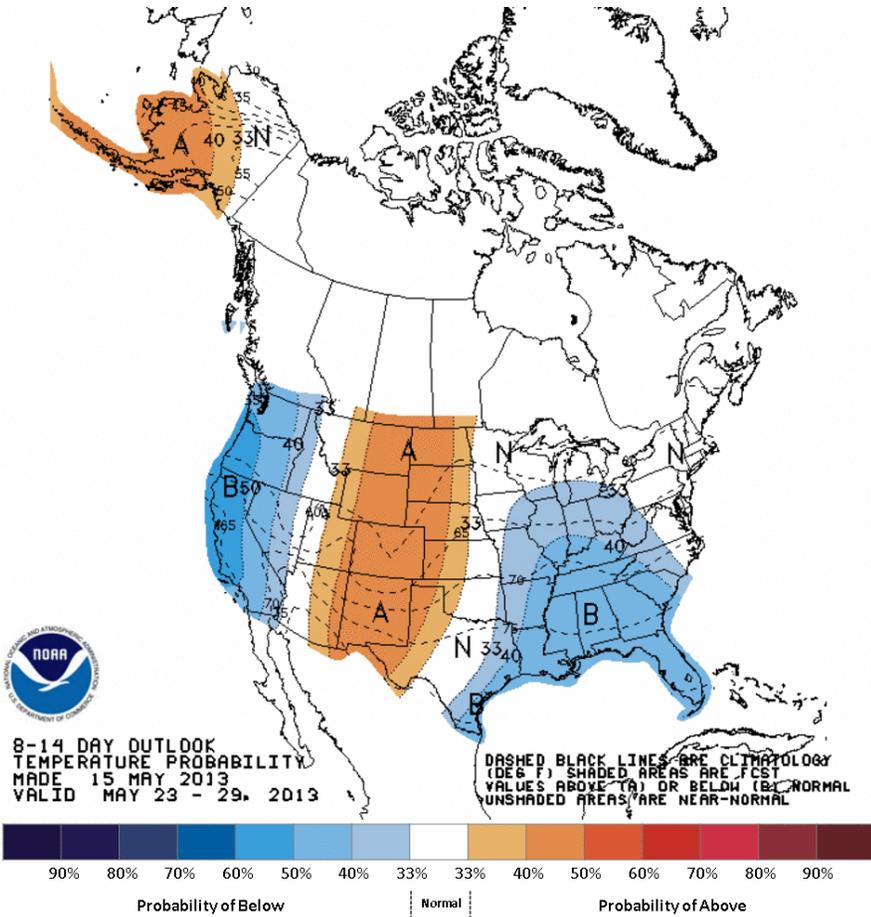
## Volume remaining at selected sites (kAF)

Runoff-processor date: May 14  
 RFC Volume Forecast: May 14

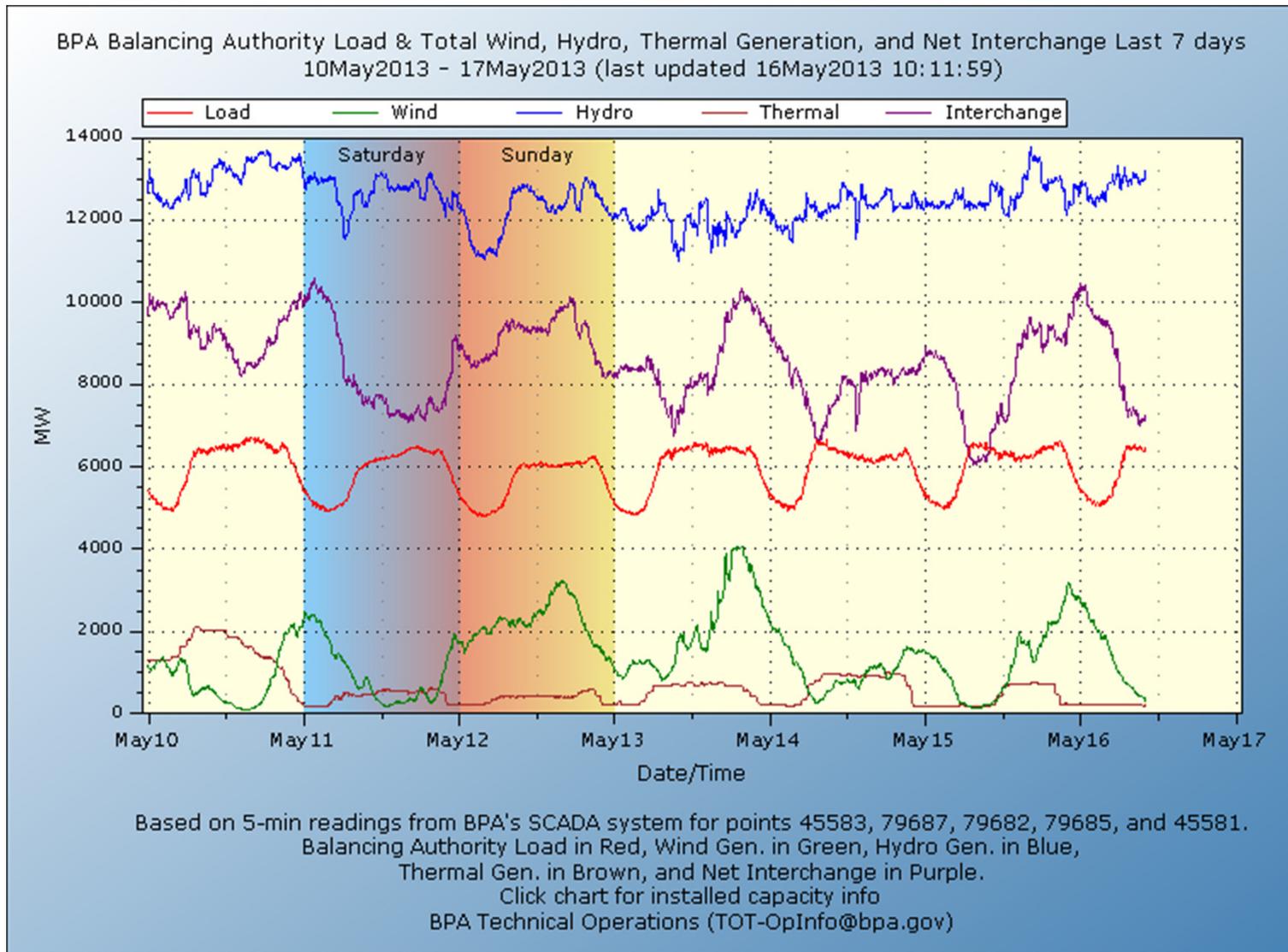
	<i>May 14</i> NWRFC	<i>May 14</i> Observed	Percent
<b>January-July</b>	ESP volcast	Since 1-Jan	Remaining
Grand Coulee	63,354	23,995	62.1%
Lower Granite	19,533	11,124	43.1%
The Dalles	97,964	44,033	55.1%

	NWRFC	Observed	Percent
<b>April-August</b>	ESP volcast	Since 1-Apr	Remaining
Grand Coulee	61,201	15,730	74.3%
Lower Granite	15,727	6,062	61.5%
The Dalles	87,379	26,045	70.2%

# Weather and Streamflow



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



# Transmission Updates

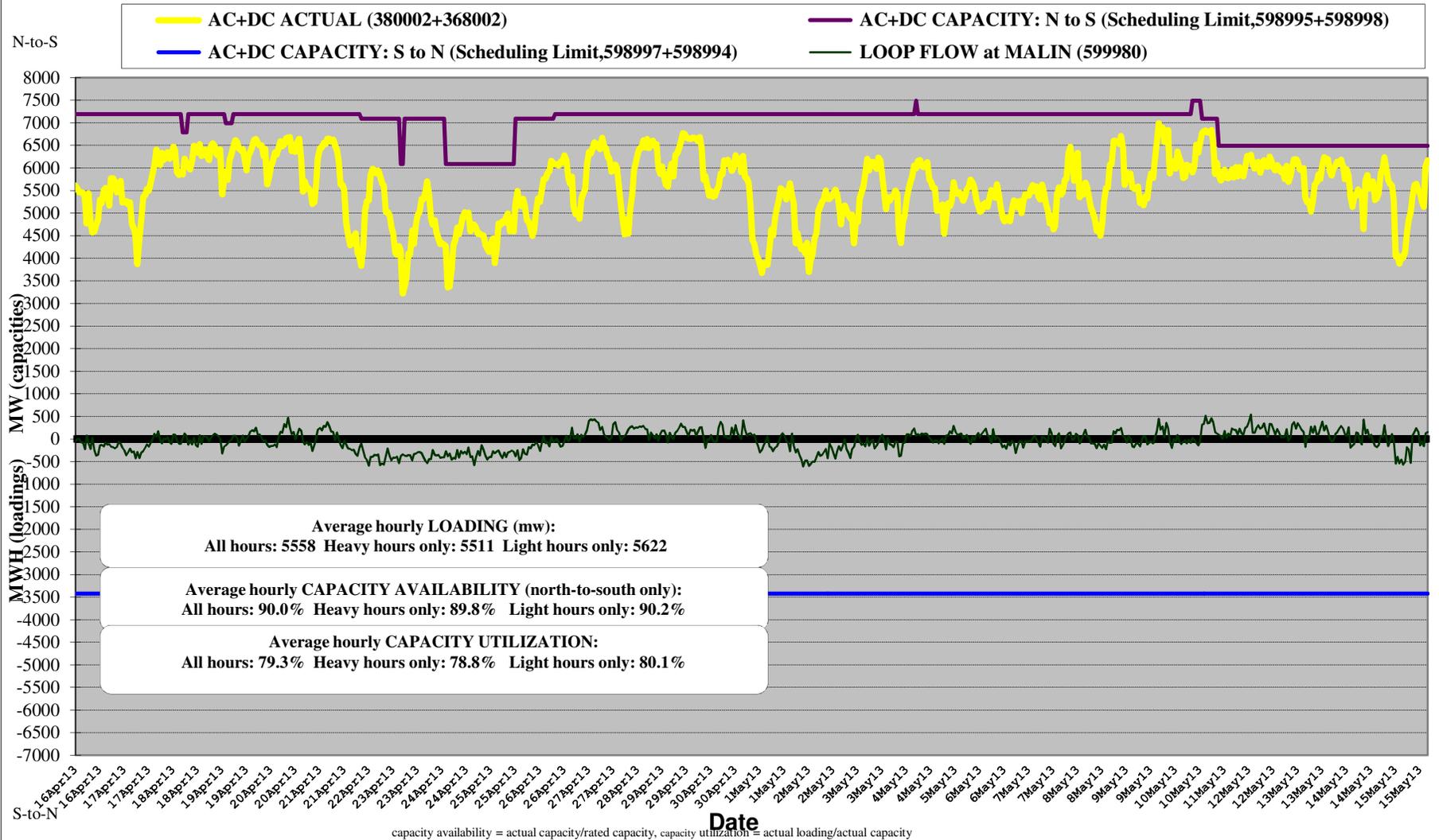
## ■ COI N>S

- 3500 MW: 5/16-HE 1 to 5/17 HE 24 due Ashe-Slatt #1 500KV line, Ashe-Marion #2 500KV line, Grizzly-Malin #2 500KV Line. NW GEN
- 3800MW: 5/17 HE 17 to 5/23 HE 09 due Ashe-Slatt #1 500KV line and Grizzly-Malin #2 500KV line. NW GEN
- 3200 MW: 5/23 HE 10 to 5/23 HE 17 due to CISO-Cottonwood CB 352
- 4250 MW: 5/23 HE 18 to 5/24 HE 24 CISO Round Mountain-Table Mountain 1 500KV line Series Capacitor Bank 3 at Round Mountain.

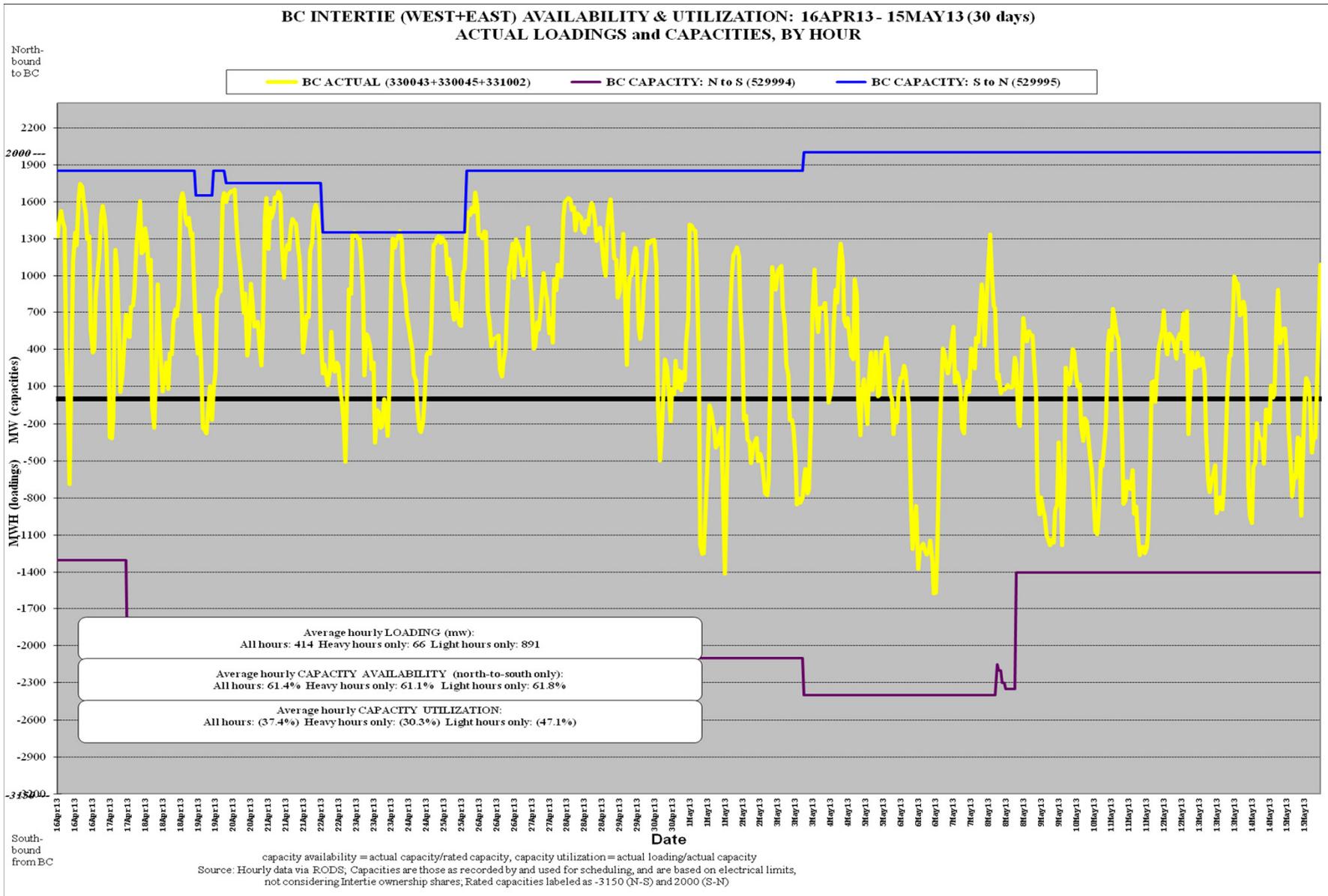
## ■ PDCI N>S

- 2990 MW: At rated capacity next 7 days

### AC+DC INTERTIE AVAILABILITY & UTILIZATION: 16APR13 - 15MAY13 (30 days) ACTUAL LOADINGS and CAPACITIES, BY HOUR



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



# 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).
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- Oversupply website:  
<http://www.bpa.gov/corporate/AgencyTopics/ColumbiaRiverHighWaterMgmt/>