

# System Condition Update

## Spring Operations Review Forum

April 20, 2012

1:00 – 2:00 p.m.

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

When prompted, enter access code: 1687421



# Hydro Operations Update

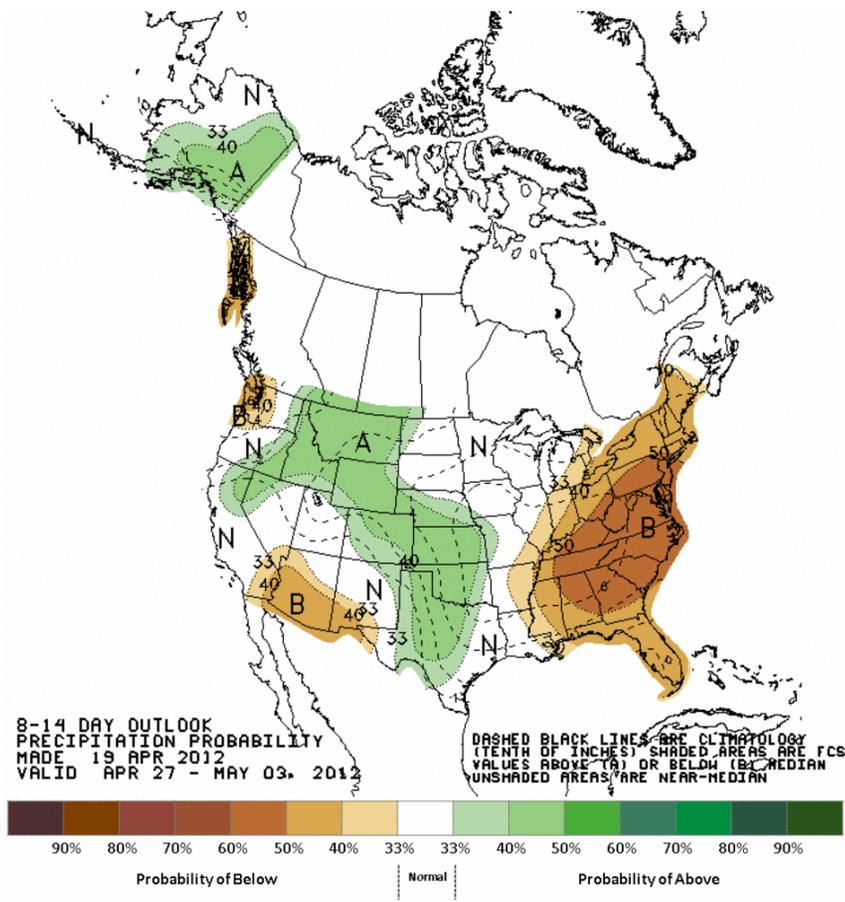
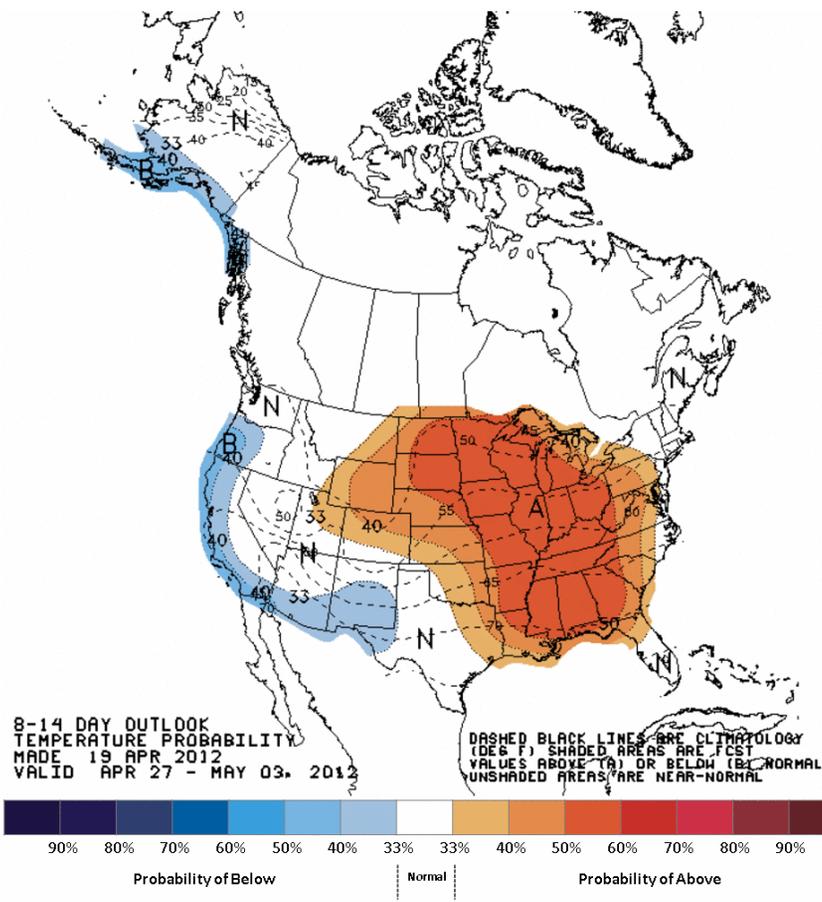
The Federal Columbia River Power System is being operated for system wide flood control objectives.

- System reservoirs are drafting and on track to meet their April 30 flood control elevations.
- The NW River Forecast Center's April 18, January-July Water Supply Forecast at The Dalles is 112.1 million acre-feet.

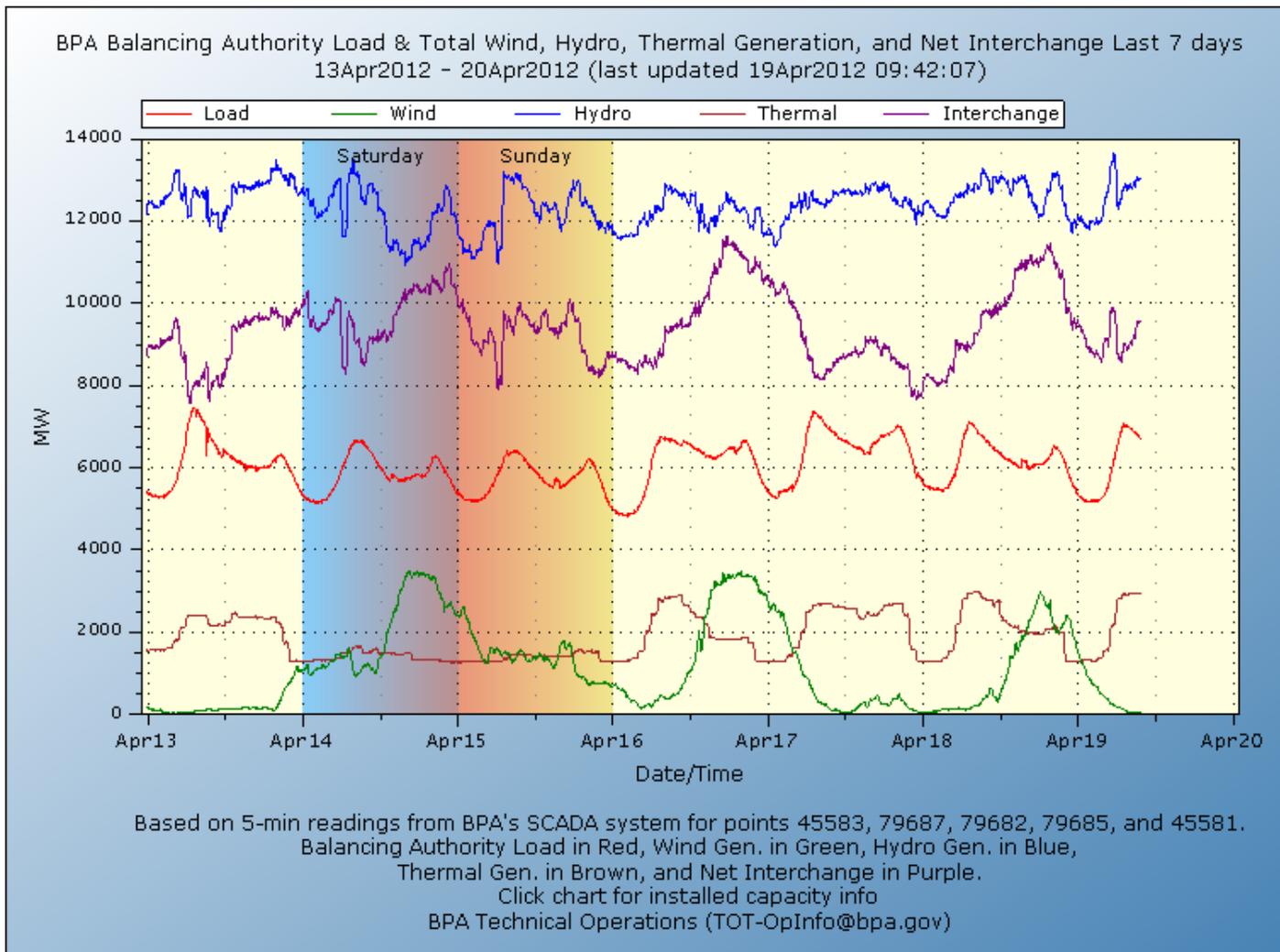
# Actions to manage overgeneration

- As of April 18, BPA has acquired 43,300 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.
- Involuntary spill due to lack of load has been minimal to date.
- BPA has develop a new product that allows for recallable energy that may reduce the amount of over-generation spill and OMP.

# Weather and Streamflow



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



# Transmission Updates

## ■ COI N>S

- 2950 MW: 3/30 to 4/23 due to CAISO Round Mountain-Table Mountain 1 500kV.
- 4050 MW: 3/30 to 6/1 due to CAISO Tracy-Los Banos 500kV Line .
- 3650 MW: 4/25 HE 07 & HE 08 and 4/26 HE 17 due to CAISO Table Mountain-Palermo 230kV Line.
- 3500 MW: 4/25 to 4/26 due to CAISO Olinda-Tracy 500kV Line Series Caps at Maxwell

## ■ PDCI N>S

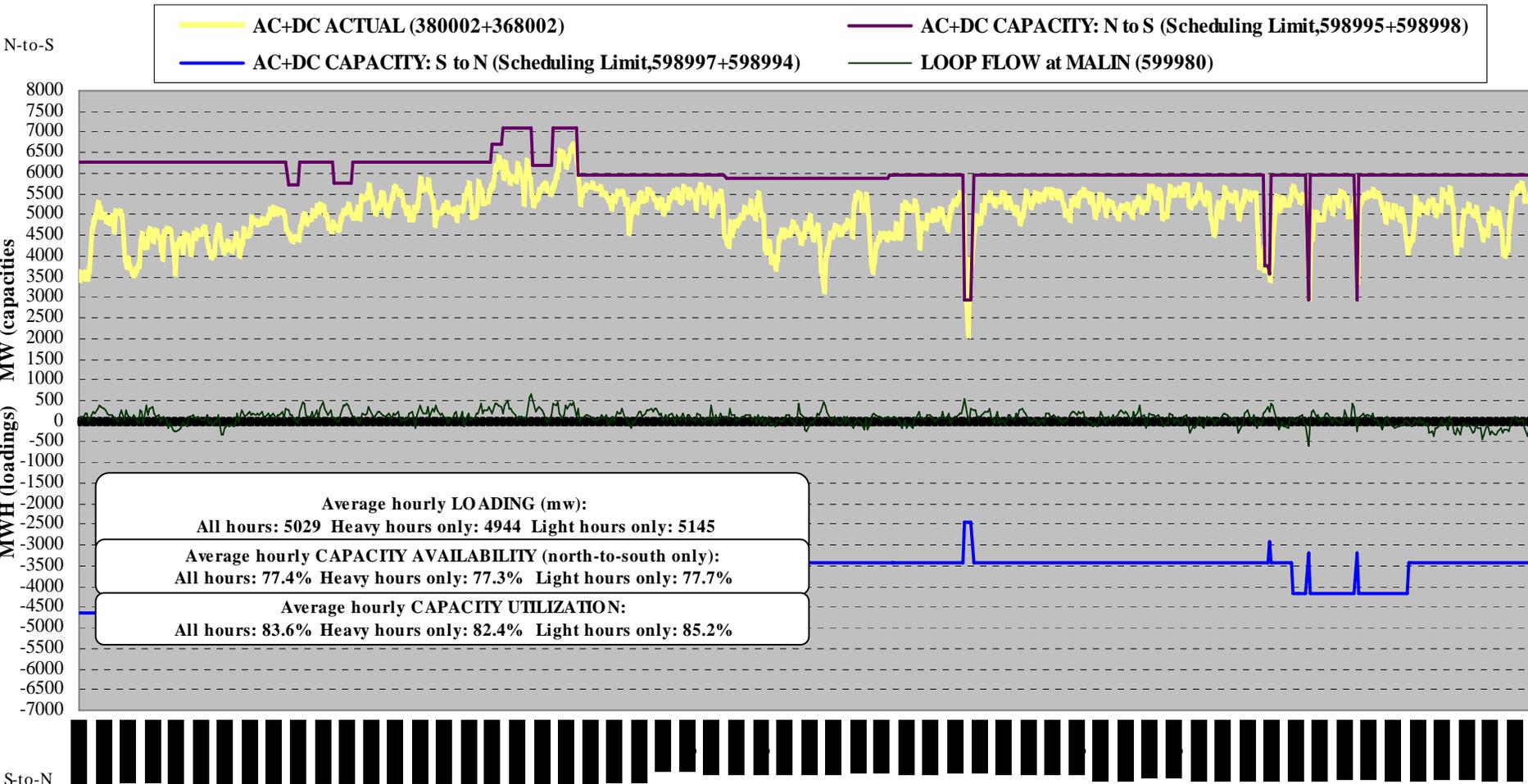
- 2990 MW : At rated capacity next seven days.

## ■ NI S>N

- 1100 to 1950 MW: Preschedule forecasted capacity reduced over next seven days due to nomogram deductions for various outages including BPA-Raver-Echo Lake 1 500kV Line; SCL-Bothell-Sno-King 1&2 230kV Line and Bothell 230/115kV Bank 63; and SCL-Massachusetts-Union 1&2 115kV Lines. Average preschedule forecasted capacity above 1800 MW.

## AC+DC INTERTIE AVAILABILITY & UTILIZATION: 20MAR12 - 18APR12 (30 days)

### ACTUAL LOADINGS and CAPACITIES, BY HOUR

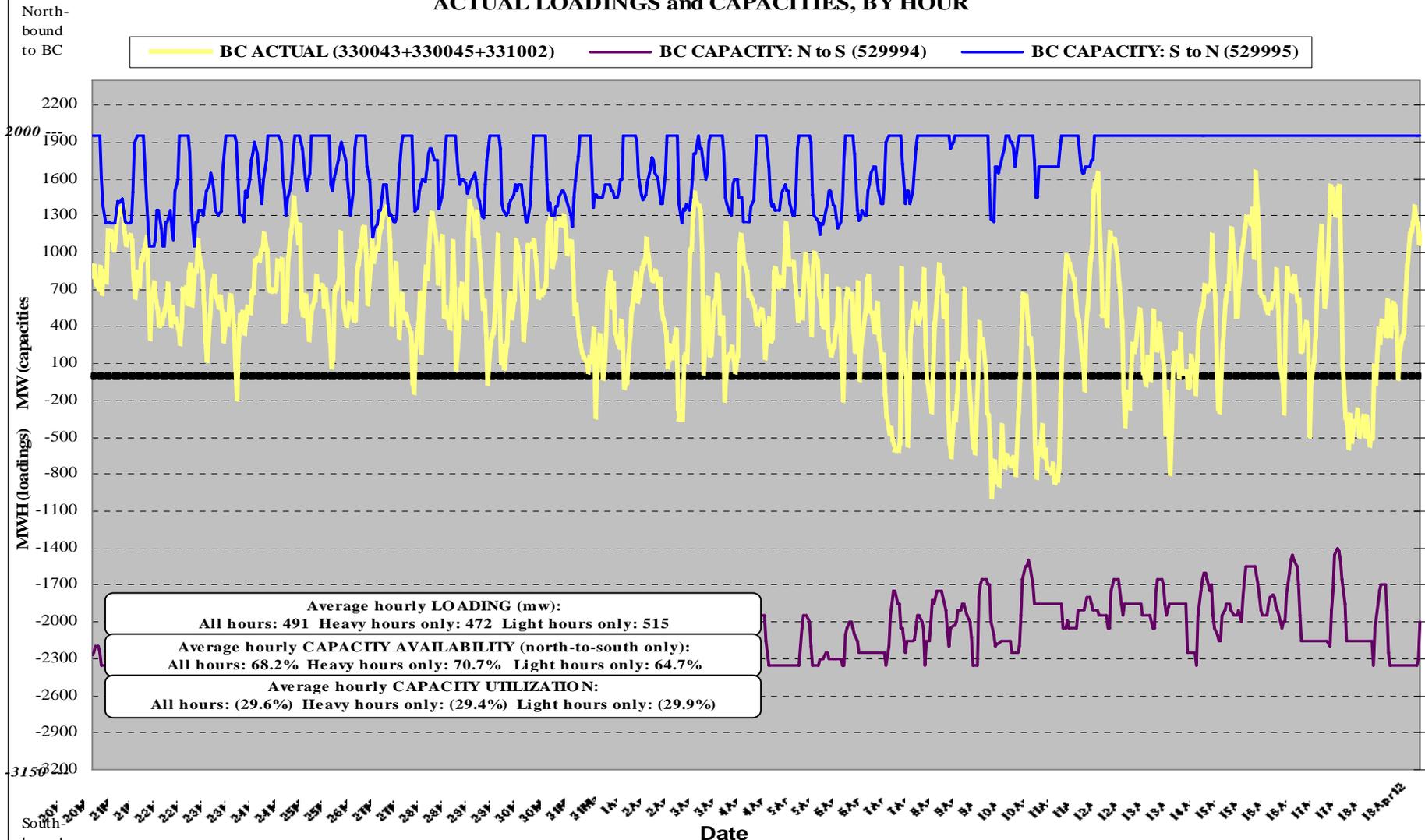


Date

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: 20MAR12 - 18APR12 (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 as recorded by and used for scheduling, and are based on electrical limits, not considering Intertie ownership shares; Rated capacities labeled as -3150 (N-S) and 2000 (S-N)

# 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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- Overgeneration Web site:  
<http://www.bpa.gov/corporate/AgencyTopics/ColumbiaRiverHighWaterMgmt/>