

Volume 262 November 29, 2011

The Midwest Independent Transmission System Operator Inc. has again sounded a warning that new U.S. Environmental Protection Agency air emissions regulations will strain system capacity as coal-fired units are shut down by power generators to meet the standards.

MISO expects generation station retirements to eliminate all generation capacity above minimum capacity requirements, the grid operator said in comments filed with FERC. The MISO markets had about 116,000 MW of generation and demand resources participating as of the summer of 2011. About 72,000 MW is coal-fired generation. About 62,000 MW of this coal capacity will require retrofit investments or replacement, MISO noted. Ranges of retrofit costs vary depending on size and current air quality control equipment installed. It is expected that 28,000 MW will require fabric filters at an average cost of \$150,000/MW, about 20,000 MW will require additional scrubber type control equipment with an average cost of nearly \$450,000/MW, and 13,000 MW of capacity may be retired since the cost to retrofit those units is the same or higher than the cost to replace them at nearly \$667,000/MW.

Reliability in the Midwest will be severely challenged throughout the implementation period of the proposed rules," said MISO. "The compliance time allowed by the proposed rule and the time required accomplishing the installation of new control equipment or capacity replacement is exactly the same, meaning owners of all these units must remove them from service simultaneously leaving inadequate generation resources to sustain reliable electricity supply." Around 62,000 MW of generation cannot be removed from service simultaneously without interrupting loads in the region, MISO noted. In order for MISO to meet reliability obligations, generator outage requests will be denied to maintain adequate supplies, it said.

MISO is a regional transmission organization charged with the operation and administration of the wholesale electricity markets in thirteen Midwestern states and one Canadian province.

Electricity Pricing Areas – Nov 29, 2011

December

On-Peak	Per kWh
Cinergy	\$.03643
PJM West	\$.04665

ComEd Average Day Ahead LMP Electric Price

Time Period	Average per Kwh
Nov1-Nov 30, 2010	\$.02778
Dec 1 – Dec 31	\$.03545
Jan 1 –Jan 31, 2011	\$.03871
Feb 1 – Feb 28	\$.03581
March 1- Mar 31	\$.03668
April 1 – April 30	\$.03448
May1- May 31	\$.03954
June 1 - June 30	\$.03851
July 1 thru July 31	\$.05170
Aug 1 – Aug 31	\$.04064
Sep 1 - Sep 30	\$.03058
Oct 1- Oct31	\$.02968
Nov 1 thru Nov 28	\$.02796

Weather Tonight: Partly cloudy. Gusty winds diminishing after midnight. Low near 30F. Winds NNW at 25 to 35 mph. Winds could occasionally gust over 40 mph early. **Tomorrow:** Except for a few afternoon clouds, mainly sunny. High 42F. Winds W at 10 to 20 mph. **Tomorrow night:** Partly cloudy skies. Low 31F. Winds SSW at 5 to 10 mph. **Thu:** Generally sunny despite a few afternoon clouds. High 43F. Winds SSW at 10 to 20 mph. **Fri:** More sun than clouds. Highs in the low 40s and lows in the mid 30s. **Sat:** Clouds giving way to sun. Highs in the upper 30s and lows in the low 30s.

