PJM Wind Power Curtailments
January through June, 2014

Intermittent Resources Task Force
July, 2014
Notes on methodology used to generate this data:

- This is draft data being presented to generate discussion regarding the type and format of data for periodic presentation.
- Security Constrained Economic Dispatch (SCED) curtailments occur when the unit output is causing a transmission constraint and SCED thinks it can re-dispatch to resolve the constraint.
- Manual curtailments occur when SCED thinks it is not able to control the unit and the Dispatcher needs relief on the line.
- Curtailed MWh is calculated as the backcast (or forecast when the backcast is not available), less the measured generation during curtailed intervals.
May, 2014 Hourly Wind Power Generation and Curtailments

Series "Uncurtailed MWh" Point "7" Value: 50641
June, 2014 Hourly Wind Power Generation and Curtailments
June, 2014 Wind Power Gen - Percent Curtailed by Hour

- Percent SCED Curtained MWh
- Percent Manually Curtained MWh
Wind Power Curtailments – January through June 2014

Draft Summary

January through June, 2014
Hourly Wind Power Generation and Curtailments

Uncurtailed MWh  SCED Curtailed MWh  Manually Curtailed MWh
Wind Power Curtailments – January through June 2014

Draft Summary

January through June, 2014
Wind Power Gen - Percent Curtailed by Hour

![Bar chart showing percent curtailed wind power by hour from 0 to 23.
Legend: SCED Curtailed MWh (red) and Manually Curtailed MWh (green).]
Wind Power Curtailments – January through June 2014

Draft Summary

January through June, 2014
Daily Wind Power Generation and Curtailments

- Uncurtailed MWh
- SCED Curtailed MWh
- Manually Curtailed MWh
Wind Power Curtailments – January through June 2014

Draft Summary

January through June, 2014 Daily Wind Power Curtailments

- Percent SCED Curtailed MWh
- Percent Manually Curtailed MWh
Wind Power Curtailments – January through June 2014
Draft Summary

January through June, 2014
Monthly Wind Power Generation and Curtailments

- Uncurtailed MWh
- SCED Curtailed MWh
- Manually Curtailed MWh

<table>
<thead>
<tr>
<th>Month</th>
<th>Uncurtailed MWh</th>
<th>SCED Curtailed MWh</th>
<th>Manually Curtained MWh</th>
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<tbody>
<tr>
<td>Jan</td>
<td>1,900,000</td>
<td>20,000</td>
<td>10,000</td>
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<td>Feb</td>
<td>1,300,000</td>
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<td>Mar</td>
<td>1,700,000</td>
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<td>Apr</td>
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<td>May</td>
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<tr>
<td>Jun</td>
<td>1,200,000</td>
<td>8,000</td>
<td>4,000</td>
</tr>
</tbody>
</table>
Wind Power Curtailments – January through June 2014

Draft Summary

January through June, 2014 Monthly Wind Power Curtailments

Jan | Feb | Mar | Apr | May | Jun

- Percent SCED Curtailed MWh
- Percent Manually Curtailed MWh