

TAC Report

RRGRR Number	003	RRGRR Title	Modifications to Improve Wind Forecasting
Timeline	Urgent	Action	Recommended Approval
Date of Decision	September 25, 2014		
Proposed Effective Date	Upon system implementation.		
Priority and Rank Assigned	Priority – 2015; Rank – 1230		
Resource Registration Glossary Section Requiring Revision	2, Resource Registration Glossary		
Protocol Section(s) Requiring Revision	None.		
Revision Description	<p>This Resource Registration Glossary Revision Request (RRGRR) proposes modifications to the Resource Registration Glossary to improve ERCOT wind forecasting during weather related shutdown events.</p> <ul style="list-style-type: none"> • Add the field for “Maximum Operating Temperature” • Add the field for “Minimum Operating Temperature” • Add a field for “High Wind Speed Cut-Out” in meters per seconds. • Add a field for “ High Wind Speed Cut-Out Reset” in meters per seconds • Add a field for “High Wind Speed Cut-Out time” in minutes • Add a field for “ High Wind Speed Cut-Out Reset Time” in minutes • Eliminate the derating information for wind farms as this would be addressed by capturing the high and low temperature operating limits. 		
Reason for Revision	<p><input checked="" type="checkbox"/> Addresses current operational issues.</p> <p><input type="checkbox"/> Meets Strategic goals (tied to the ERCOT Strategic Plan or directed by the ERCOT Board).</p> <p><input checked="" type="checkbox"/> Market efficiencies or enhancements</p> <p><input type="checkbox"/> Administrative</p> <p><input type="checkbox"/> Regulatory requirements</p> <p><input type="checkbox"/> Other: (explain) (please select all that apply)</p>		
Procedural History	<p>➤ On 06/20/14, RRGRR003 and an associated Impact Analysis were posted.</p> <p>➤ On 07/24/14, E.ON comments were posted.</p>		

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	<ul style="list-style-type: none"> ➤ On 07/24/14, EDPR comments were posted ➤ On 07/29/14, the Resource Data Working Group (RDWG) considered RRGR003. ➤ On 8/18/14, a second set of EDPR comments were posted. ➤ On 8/19/14, RDWG again considered RRGR003. ➤ On 8/29/14, a revised Impact Analysis was posted. ➤ On 9/4/14, ROS considered RRGR003. ➤ On 9/11/14, PRS considered RRGR003. ➤ On 9/25/14, TAC considered RRGR003.
RDWG Decision	<p>On 07/29/14, RDWG was in consensus to table RRGR003.</p> <p>On 08/19/14, RDWG was in consensus to recommend approval of RRGR003 as amended by the 8/18/14 EDPR comments and as revised by RDWG, and to request Urgent status.</p>
Summary of RDWG Discussion	<p>On 07/29/14, RDWG reviewed the 07/24/14 E.ON and EDPR comments and tabled RRGR003 to allow for additional review and input.</p> <p>On 08/19/14, RDWG reviewed the 08/18/14 EDPR comments and added more detailed descriptions for each mentioned data field.</p>
ROS Decision	<p>On 9/4/14, ROS unanimously voted to grant RRGR003 Urgent status. ROS then unanimously voted to recommend approval of RRGR003 as recommended by RDWG in the 8/19/14 RDWG Report with a recommended priority of 2015 and rank of 1230. All Market Segments were present for the votes.</p>
Summary of ROS Discussion	<p>On 9/4/14, there was no discussion.</p>
PRS Decision	<p>On 9/11/14, PRS unanimously voted to recommend a priority of 2015 and rank of 1230 as recommended by ROS in the 9/4/14 ROS Report. All Market Segments were present for the vote.</p>
Summary of PRS Discussion	<p>On 9/11/14, it was explained that Urgent status was requested for RRGR003 so that ERCOT could begin requesting the required information in order to prepare the wind forecast.</p>
TAC Decision	<p>On 9/25/14, TAC unanimously voted to recommend approval of RRGR003 as recommended by ROS in the 9/4/14 ROS Report. All Market Segments were present for the vote.</p>
Summary of TAC Discussion	<p>On 9/25/14, there was no discussion.</p>
ERCOT Opinion	<p>ERCOT supports approval of RRGR003.</p>

Business Case

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Qualitative Benefits	Modifies the information collected for Wind-powered Generation Resources (WGRs) so cold and hot limits are captured and used for operations forecasting. It was identified through requests for information that once high or low temperature cut outs occur, a reset temperature must be reached before WGRs can begin operations. This revision would eliminate the derate information, as it was determined the range of derate information is not capturing any derates, due to the range being too narrow. Upon review of the requests for information, it was determined that high and low temperature trips would capture this derate information.
Quantitative Benefits	This RRGRR is expected to save 113 wind sites from entering derate information while providing additional information that was found to be of operational benefit related to wind turbine operating limits. Simplifying this data in the Resource Registration data collected is estimated to save one hour of Market Participant time in data submission and potentially reduce the need to request this data via future request for information if this field is required for all Resources as they register.
Impact to Market Segments	
Other	

Sponsor	
Name	Bill Blevins
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Market Segment	Not applicable.

Market Rules Staff Contact	
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Comments Received	
Comment Author	Comment Summary
E.ON 072414	Requested that RRGRR003 be tabled and discussed in greater detail at WMS.
EDPR 072414	Reported concerns about the specific data that will need to be submitted.
EDPR 081814	Recommended additional clarifications to field names and definitions.

Comments

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The proposed changes to Section 2 recommended for approval at the 9/25/14 TAC meeting are included in the spreadsheet 003RRGRR-17 TAC Report 092514.

Please note that RRGRR004, Steam Pressure Curve Information for Implementation of Regional Reliability Standard BAL-001-TRE-1, also proposes revisions to Section 2.

Proposed Guide Language Revision

2 RESOURCE REGISTRATION GLOSSARY

See electronic Microsoft Office Excel© file on the ERCOT website posted with the Resource Registration Glossary.