

System Operations Subcommittee

PJM Operations Summary

January Operations

There were 5 PCLLRWs and 0 High System Voltage events in January

CPS1: % BAAL: % ¹ CPS2: %

¹PJM directly measures the total number of BAAL excursions in minutes compared to the total number of minutes within a month with a target value for this performance goal at 99% on a daily and monthly basis. NERC rules limit the recovery period to no more than 30 minutes for a single event.

Spinning (1 Event)

01.22.2019 22:30	01.22.2019 22:38	Greenville in DOM tripped. Loaded at 1300.	PJM-RTO
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Manual Load Dump Event (0 Event)

Emergency Procedure Event (0 Events)

Manual Load Dump Warning (0 Events)

HLV Schedule Warning (0 Events)

HLV Schedule Action (0 Events)

Hot Weather Alert (0 Events)

Cold Weather Alert(8 Events)

01.17.2019 09:45	01.21.2019 00:00	<p>A Cold Weather Alert has been issued from 07:00 on 01.20.2019 through 00:00 on 01.21.2019 Per M-13, members are expected to perform the following:</p> <p>TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.</p> <p>GEN DISPATCHERS:</p> <ul style="list-style-type: none"> -Review & update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max. -Submit alternate fuel capability & alternate fuel restrictions via MG. -Review fuel supply/delivery schedules for greater than normal operation of units. -Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 	WESTERN
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		<p>'Early Return Time' should be updated in eDART & will not affect the Planned Outage est. end date.</p> <ul style="list-style-type: none"> -Dual fuel units, confirm equipment is functional & amount of alternate fuel available. -Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4. 	
01.17.2019 10:00	01.21.2019 23:58	<p>A Cold Weather Alert has been issued from 00:00 on 01.21.2019 through 23:58 on 01.21.2019 Per M-13, members are expected to perform the following:</p> <p>TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.</p> <p>GEN DISPATCHERS:</p> <ul style="list-style-type: none"> -Review & update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max. -Submit alternate fuel capability & alternate fuel restrictions via MG. -Review fuel supply/delivery schedules for greater than normal operation of units. -Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated in eDART & will not affect the Planned Outage est. end date. -Dual fuel units, confirm equipment is functional & amount of alternate fuel available. -Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4. 	PJM-RTO
01.20.2019 08:30	01.22.2019 12:00	<p>A Cold Weather Alert has been issued from 00:00 on 01.22.2019 through 12:00 on 01.22.2019 Per M-13, members are expected to perform the following:</p> <p>TRANSMISSION/GEN DISPATCHERS review plans to determine if any</p>	PJM-RTO

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		<p>maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.</p> <p>GEN DISPATCHERS:</p> <ul style="list-style-type: none">-Review & update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max.-Submit alternate fuel capability & alternate fuel restrictions via MG.-Review fuel supply/delivery schedules for greater than normal operation of units.-Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated in eDART & will not affect the Planned Outage est. end date.-Dual fuel units, confirm equipment is functional & amount of alternate fuel available.-Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4.	
01.24.2019 09:00	01.25.2019 23:59	<p>A Cold Weather Alert has been issued from 00:01 on 01.25.2019 through 23:59 on 01.25.2019 Per M-13, members are expected to perform the following:</p> <p>TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.</p> <p>GEN DISPATCHERS:</p> <ul style="list-style-type: none">-Review & update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max.-Submit alternate fuel capability & alternate fuel restrictions via MG.-Review fuel supply/delivery schedules for	WESTERN

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		<p>greater than normal operation of units.</p> <ul style="list-style-type: none"> -Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated in eDART & will not affect the Planned Outage est. end date. -Dual fuel units, confirm equipment is functional & amount of alternate fuel available. -Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4. 	
01.27.2019 08:35	01.29.2019 23:59	<p>A Cold Weather Alert has been issued from 00:00 on 01.29.2019 through 23:59 on 01.29.2019 Per M-13, members are expected to perform the following:</p> <p>TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.</p> <p>GEN DISPATCHERS:</p> <ul style="list-style-type: none"> -Review & update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max. -Submit alternate fuel capability & alternate fuel restrictions via MG. -Review fuel supply/delivery schedules for greater than normal operation of units. -Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated in eDART & will not affect the Planned Outage est. end date. -Dual fuel units, confirm equipment is functional & amount of alternate fuel available. -Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4. 	COMED

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01.28.2019 09:15	01.30.2019 23:59	<p>A Cold Weather Alert has been issued from 00:00 on 01.30.2019 through 23:59 on 01.30.2019 Per M-13, members are expected to perform the following: TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled. GEN DISPATCHERS: -Review & update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max. -Submit alternate fuel capability & alternate fuel restrictions via MG. -Review fuel supply/delivery schedules for greater than normal operation of units. -Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated in eDART & will not affect the Planned Outage est. end date. -Dual fuel units, confirm equipment is functional & amount of alternate fuel available. -Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4.</p>	WESTERN
01.28.2019 09:30	-	<p>A Cold Weather Alert has been issued from 00:00 on 01.31.2019 through 23:59 on 01.31.2019 Per M-13, members are expected to perform the following: TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled. GEN DISPATCHERS: -Review & update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to</p>	PJM-RTO

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		<p>accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max.</p> <ul style="list-style-type: none"> -Submit alternate fuel capability & alternate fuel restrictions via MG. -Review fuel supply/delivery schedules for greater than normal operation of units. -Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated in eDART & will not affect the Planned Outage est. end date. -Dual fuel units, confirm equipment is functional & amount of alternate fuel available. -Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4. 	
<p>01.30.2019 15:30</p>	<p align="center">-</p>	<p>A Cold Weather Alert has been issued from 00:00 on 02.01.2019 through 18:00 on 02.01.2019 Per M-13, members are expected to perform the following:</p> <p>TRANSMISSION/GEN DISPATCHERS review plans to determine if any maintenance/testing, scheduled/being performed, on any monitoring, control, transmission/generating equipment can be deferred/canceled.</p> <p>GEN DISPATCHERS:</p> <ul style="list-style-type: none"> -Review & update unit parameters in Markets Gateway (MG) through the Cold Weather Alert period paying particular attention to accurate Start-up & Notification, Min/Max Run Time, Eco Min/Max and Emergency Min/Max. -Submit alternate fuel capability & alternate fuel restrictions via MG. -Review fuel supply/delivery schedules for greater than normal operation of units. -Provide PJM with estimate of time needed to return any unit on a Planned Outage. This 'Early Return Time' should be updated in eDART & will not affect the Planned Outage est. end date. -Dual fuel units, confirm equipment is functional & amount of alternate fuel 	<p align="center">PJM-RTO</p>

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		available. -Update PLS schedule parameters as indicated in Manual 11 Section 2.3.4.	
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Primary Reserve Warning (0 Events)

Voltage Reduction Warning (0 Events)

Voltage Reduction (0 Events)

Emergency Energy Request (0 Events)

Max Emergency Gen Alert (0 Events)

Max Emergency Generation (0 Events)

Local Min Generation Event (0 Events)

Shared Reserve (0 Events)

Min Gen Alert (1 Event)

01.22.2019 22:30	01.22.2019 22:38	Greenville in DOM tripped. Loaded at 1300.	PJM-RTO
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Min Gen Declaration (0 Events)

PCLLRW (5 Events)

01.19.2019 15:25	01.19.2019 16:31	A Post Contingency Local Load Relief Warning has been issued to maintain DELAWAIM 138 KV at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
01.21.2019 07:00	01.21.2019 08:51	A Post Contingency Local Load Relief Warning has been issued to maintain VANVILLE 138 KV at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	APS
01.28.2019 05:54	01.31.2019 04:07	A Post Contingency Local Load Relief Warning has been issued to maintain AUBURNC5 138 KV at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP

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01.30.2019 08:33	01.30.2019 13:18	A Post Contingency Local Load Relief Warning has been issued to maintain 15518 -132 GARD 15518 2 at 202 MVA in the COMED for Transmission Contingency Control. Additional Comments: Post Contingency Switching available	COMED
01.31.2019 07:46	01.31.2019 08:29	A Post Contingency Local Load Relief Warning has been issued to maintain FTSLOCUM 190-6R PAR at 135.0 MVA in the PEPCO for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	PEPCO

Non-Market PCLRW (6 Events)

01.21.2019 06:48	01.21.2019 07:19	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain MESSICRD 138 KV at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	APS
01.25.2019 07:23	01.25.2019 10:53	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain WMILTON-09GRNVIL at 165.0 MVA in the DAYTON for Transmission Contingency Control. Additional Comments: Post Contingency Generation redispatch available	DAYTON
01.28.2019 11:44	01.28.2019 12:57	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain NDELPHOS 138 KV at 127.0 KV in the AEP for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	AEP
01.21.2019 09:14	01.22.2019 12:23	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain GILBERTT 138 KV at 127.0 KV in the PL for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	PPL
01.30.2019 07:37	01.30.2019 14:19	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain WMILTON-09GRNVIL at 165.0 MVA in the DAYTON for Transmission Contingency Control. Additional Comments: BES 2 Facility	DAYTON

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01.31.2019 07:14	-	A Non-Market Post Contingency Local Load Relief Warn has been issued to maintain MESSICRD 138 KV at 127.0 KV in the FE(APS) for Transmission Contingency Control. Additional Comments: Load -No Generation or Switching available	APS
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High System Voltage Alerts (0 Events)