

# Generation Initial Training Program

## Outage Types & Entering Tickets

PJM State & Member Training Dept.

# Objectives



Students will be able to:

- Describe the outage reporting process and requirements
- Identify the tools used to participate in the various PJM markets
- Describe how to create an outage ticket utilizing the eDART application



# Business Rules

- PJM Members can request outages via the Gen. Ticket eDART tool
  - All outage requests are analyzed together, and PJM only rejects outage requests when they affect the reliability of the PJM RTO
  - It is the responsibility of each PJM Member to determine its own best outage schedule
  - Outage requests are honored by PJM on a first-come first-serve basis

# Business Rules

- Where a user is required to give PJM verbal notification, the following PJM personnel should be contacted:
  - Master Coordinator
    - All Outages
    - Clearing of Outage Tickets
  - Generation Dispatcher
    - Outages of units on-line or scheduled to come on-line
- Generation Outages fall into the following categories:
  - Forecasted Planned/ Planned
  - Maintenance
  - Unplanned

# Forecasted Planned/ Planned Outage

- The initial Planned outage request has to be submitted to PJM no later than 30 days prior to the Operating Day
- Every evening the eDART system will automatically change the status of all “Forecasted Planned” outages due to start in less than 31 days to “Planned” outages
- Once the ticket is changed to “Planned,” and has a status of approved, a reduction revision can be submitted, but only to decrease the amount of reduction
- The Start date of a Planned ticket can only be increased (and no more than 30 days into the future)
- The End date can also be changed

# Forecasted Planned/ Planned Outage

- An approved Planned outage may be rescheduled within the 30 day timeframe of approval only if it is approved by PJM, but once an approved Planned outage is moved, it becomes “Unplanned” and cannot be extended past the original timeframe
- Other than cancellation, no other changes can be made
- The approval process involves checking for conditions such as violation of Black Start power failure solution and Reliability scenarios, availability of adequate reserves and whether the outage is scheduled during the Peak Period Maintenance season, which occurs from the 24th Wednesday of the calendar year through the 36th Wednesday of the same year

# Forecasted Planned/ Planned Outage

- A Planned outage is in Black Start Scenario violation if a station already has an outage for a critical Black Start unit during the same period
  - However a Generation Owner may substitute another black start unit (currently not designated as critical) at a plant (on the same voltage level) for a black start unit that is on a planned outage to allow a concurrent planned outage of another critical black start unit at a plant to begin
  - This substituted unit must have a valid black start test within the last 13 months to be considered as an eligible substitution
- If the request is denied, members re-evaluate their Planned outage schedule and submit a new outage request
  - This process is repeated until the request submitted is acceptable
- PJM may withdraw its approval for a Planned outage by notifying members at least 24 hours in advance in order to ensure the adequacy of reserves or the reliability of the PJM RTO

# Forecasted Planned/ Planned Outage

- A Planned Outage Extension is the extension beyond the originally estimated completion date which can only be used in instances when the original scope of work requires more time to complete than originally scheduled, and not when unexpected problems or delays are encountered
  - The request for a Planned Outage Extension must be submitted via eDART at least 48 hours before the end date of the outage



# Maintenance Outages

- Maintenance outages may occur throughout the year, have flexible start dates, are much shorter than Planned outages, and have a predetermined duration established at the start of the outage
  - A Maintenance outage is an outage that may be deferred beyond the next weekend
  - The duration of a Maintenance outage is generally unlimited except during the PJM Peak Period Maintenance \*(PPM) Season, during which approved Maintenance outages will be limited to a maximum duration of 9 consecutive days, 5 weekdays plus the included weekends
    - The Weekend Period is defined from Friday at 2200 hrs. to Monday at 0800 hrs.

\* Peak Period Maintenance (PPM) shall be defined as those weeks containing the 24th through the 36th Wednesdays of a calendar year. Each such week shall begin on a Monday and end on the following Sunday, except for the week containing the 36th Wednesday, which shall end on the following Friday

# Maintenance Outages

- A Maintenance outage Extension is an extension beyond the originally estimated completion date which can only be used in instances when the original scope of work requires more time to complete than originally scheduled
  - Not when unexpected problems or delays are encountered
  - The request for a Maintenance outage Extension must be submitted before the original end date
- Maintenance outages submitted inside of 3 days from start will be placed in “Pending Evaluation” status
  - “Pending Evaluation” does not mean outage is denied – it means outage is under evaluation, in order to confirm reserve maintenance margins, and evaluate local reliability issues
- If a Maintenance outage is extended beyond 9 days in PPM season, it becomes an “Unplanned” outage

# Unplanned Outages

- In case of an Unplanned Outage, members are expected to do the following:
  - Advise PJM of the Unplanned Outage suffered or anticipated as promptly as possible, provide a verbal notification to the PJM Generation Dispatcher
  - Provide PJM with the expected date and time that the resource will be made available
  - Make and submit to PJM a record of the events and circumstances giving rise to the Unplanned outage using eDART
  - Cannot be submitted longer than 72 hours in advance
- An unplanned outage will also affect the EFORd

# EFORD Calculation

## Forced Outage Rate Calculation

The Equivalent Demand Forced Outage Rate ("EFORD") shall be calculated as follows:

$$\text{EFORD (\%)} = \{(\text{ff} * \text{FOH} + \text{fp} * \text{EFPOH}) / (\text{SH} + \text{ff} * \text{FOH})\} * 100$$

### *Where*

ff = full outage factor

fp = partial outage factor

FOH = full forced outage hours

EFPOH = equivalent forced partial outage hours

SH = service hours

# Unavailability due to Transmission Outage

- If all or a portion of a generation resource is made unavailable due to a transmission facility outage
  - the Generation Owner shall submit an outage request corresponding to the timeframe that the generation resource will be made unavailable due to the transmission facility outage
  - this requires a high level of coordination between the GO/MOC, TO, and PJM in order to fully be able to study the impact this can have on the reliability of the system

# Value of Generation Resource

Calculated Based on Unforced Capacity (UCAP)

$$\text{Unforced Capacity Value of Unit X} = \text{SUMMER Installed Capacity (ICAP) Rating} * (1 - \text{EFORd}^*)$$

*For Example:*

$$96 \text{ MW} = 100 \text{ MW} * (1 - .04)$$

Unforced Capacity Value For Unit X = 96 MW

*\*EFORd = Equivalent Forced Outage Rate*

# Creating a Generation Ticket

- PJM Members can request outages via the Gen. Ticket eDART tool
  - All outage requests are analyzed together, and PJM only rejects outage requests when they affect the reliability of the PJM RTO
  - It is the responsibility of each PJM Member to determine its own best outage schedule
  - Outage requests are honored by PJM on a first-come first-serve basis

Feedback

My eDART

Upload

Download

Gen. Tickets

Trans. Tickets

Instantaneous  
Reserve Check

Minimum  
Gen. Report

PJM Status  
Report

# Creating a Generation Ticket

- Tickets can be created for six types of Generator outages:
  - Generator Megawatt (MW) Outages
  - Voltage Regulator Outages
  - MVAR Capability Changes
  - Governor Outages
  - MVAR Test
  - Power System Stabilizer (PSS) Outages

**Generator Tickets Main Menu**

Summer Peak Period Maintenance Margin Season  
Start: 06/15/2015 End: 09/11/2015

Current Maintenance Margin  
Mid-Atlantic   
Western-Southern

**Create New Ticket** **View/Revise Ticket**

	MW	Volt. Reg.	MVAR	Governor	MVAR Test	PSS
<b>Submitted Tickets</b>	6	26	25	22	1	1
<b>Revised Tickets</b>	7	7	0	0	0	0
<b>Current Tickets</b>	1	0	0	0	0	0
<b>Approved Tickets</b>	26	0	0	0	0	0
<b>Future Tickets</b>	0	0	0	0	0	0
<b>Approved No Start</b>	26	0	0	0	0	0
<b>Active Beyond End</b>	1	0	0	0	0	0
<b>Tickets History</b>						

**Owners Report** **Maint. Margin Log** **D-Curve Report**  
**Blackstart XLS Upload** **Blackstart File Download** **GO Survey**



# Creating a Generation Ticket

### New Generator Ticket

User ID: [studentgen89](#) Company: [SBT Gen Comp 0](#)  
Generation Type:  Unit Name:

Company Ticket ID:  Date (MM/DD/YY)  Hour (HH24:MI)   
Description:  Est./Ramp Start:    
 Est. End:    
End Date Unknown   
Informational:

Daily Job:  # Days:  Start Day Delta:

### MW Ticket Info

Date (MM/DD/YY)  Hour (HH24:MI)   
Ticket Reduction:  Inst. Cap:   
Company Switch Start:   Cause:   
Company Switch End:   Outage Type:

# Ticket Fields

- **The User and Company Fields** are system generated tags identifying the ticket's submitter and which company the user represents
- **Generation Type:** The generation type includes the options Combined Cycle, Diesel/CT, Diesel/CT (small unit), Geothermal, Hydro, Hydro – pumped storage, Nuclear, Nug, Solar, Fossil/Steam and Wind and refers to the method of generation the unit uses

# Ticket Fields

- **Unit Name:** Select unit from the drop-down menu based on the type already selected
- **Company Ticket ID:** Optional field for the company's internal application ticket number, the ticket's submitter should review their own company policy to see if they should utilize this field
- **Description:** Brief work description. In Unplanned outages and Emergency cases, this field should always provide information on the circumstance resulting in the outage

# Ticket Fields

- **Est. /Ramp Start:** Proposed ticket start date and time. All times should be entered in MM/DD/YY and HH24:MI (or 24 hour “military” style time). Ramp Start times are designed mainly for larger units, which could take hours to come off line
- **Est. End:** Proposed ticket end date and time. Mandatory for “Forecasted Planned” and “Maintenance” outages
- **End Date Unknown:** Can only be selected for “Unplanned” MW outages, or for MVAR “New Default” tickets

# Ticket Fields

- **Informational:** Indicates that outage is “Info-only” (MW Reduction = 0)
  - Only valid for Maintenance outages
- **Daily Job:** Check this box to designate whether a ticket will be a multiple day, multiple ticket outage
- **# Days:** Enter the total number of days of labor require for the job
- **Start Day Delta:** Enter the number of days separating each day of labor. If the job will occur on consecutive days, enter “1”

# Outage Ticket Types



# Creating a MW (Real Power) Ticket

### New Generator Ticket

User ID: studentgen89Company: SBT Gen Comp 0

Generation Type: Unit Name:

Company Ticket ID:

Description:

Date (MM/DD/YY)

Hour (HH24:MI)

Est./Ramp Start:

Est. End:

End Date Unknown

Informational:

Daily Job:  # Days:  Start Day Delta:

MWVolt. Reg.MVARGovernorMVAR TestPSS

#### MW Ticket Info

Date (MM/DD/YY)

Hour (HH24:MI)

Company Switch Start:

Company Switch End:

Ticket Reduction:

Inst. Cap:

Cause:

Outage Type:

ClearMain Menu

# MW Ticket Fields

- **Company Switch Start Date and Hour:** Actual outage start date and time. Cannot be before the Est./Ramp Start time or 2 hours later than the Est./Ramp Start time
- **Company Switch End Date and Hour:** Actual outage End date and time. Must be entered no later than 2 hours after the Est. End time
- **Ticket Reduction:** MW Reduction value. Cannot be zero for non-Informational tickets. Can be negative only if the “Cause” is Ambient Air and the “Outage Type” is Maintenance
- **Inst. Cap.:** Installed capacity for the unit selected on the ticket
- **Cause:** Reason for outage. Cannot be “Not Applicable.” If cause is “Other,” it is necessary to provide more information in the Description
- **Outage Type:** Unplanned, Maintenance or Forecasted Planned



# Cause Types

The following cause types are available for Generator MW tickets:

- Voltage Regulator, MVAR, Governor, MVAR Test, and PSS tickets do not have a corresponding cause type

Cause ID Description		
-1 N/A	21 Fuel Problem	44 Transmission Line
1 Air Heater	22 Fuel System	45 Transmission Problem
2 Annual Inspections	23 General Maintenance	46 Tube Leak
3 Annual Inspections/Refuel	24 Ground Problem	47 Turbine Repair
4 Boiler Feed Pumps	25 Inspections	48 Turning Gear
5 Boiler Work	26 Mill Problem	49 Unit Trip
6 Breaker Problems	27 Mill Work	50 Unknown
7 Breaker Work (Maintenance)	28 No Fuel	51 Vibrations
8 Chemistry Problem	29 Opacity	52 Water Chemistry
9 Clean Intakes	30 Other	53 Wicket Gate
10 Coal Feeder	31 Precipitator	54 Ambient Air (Ambient Conditions)
11 Condenser System	32 Pump Work/Problem	55 Brush Inspection
12 Diver Safety	33 Rampdown	56 Deslag
13 Electrical	34 Rod Pattern Adjustments	60 Ambient Conditions (Auto App.)
14 Emissions	35 Rod Swap	61 Turbine Deposits
15 Engine Repair	36 SCRAM Test	62 Intake Screens
16 Engine Work	37 Start Failure	63 High Pressure Heaters
17 Environmental	38 Substation/Yard	64 Valve Test/Work
18 Fan Problem	39 Testing	65 Cranking Diesel
19 Fan Work	41 Transformer Problems	66 Black Start Auxiliary Equipment
20 Feed Pump	42 Transformer Work	67 Cold Weather Preparation Exercise

# Creating a Voltage Regulator Ticket

## New Generator Ticket

User ID: **studentgen89**      Company: **SBT Gen Comp 0**  
Generation Type:       Unit Name:

Company Ticket ID:       Date:       Hour:   
(MM/DD/YY)      (HH24:MI)

Description:       Est./Ramp Start:         
Est. End:         
End Date Unknown

**MW**      **Volt. Reg.**      **MVAR**      **Governor**      **MVAR Test**      **PSS**

### Voltage Regulator Ticket Info

*The Voltage Regulator should always be in service if available.*

Out of Service:       Yes       No  
Emergency:       Yes       No

**Clear**      **Main Menu**

# Voltage Regulator Ticket Fields

- **Out of Service:** Indicates if the Voltage Regulator is Out of Service
- **Emergency:** Indicates if it is an Emergency outage

# Creating a MVAR (Reactive Power) Ticket

**New Generator Ticket**

User ID: studentgen89
Company: SBT Gen Comp 0

Generation Type: Diesel/CT
Unit Name: Grange

Company Ticket ID:

Date  
(MM/DD/YY)

Hour  
(HH24:MI)

Description: 

Est./Ramp Start:

Est. End:

End Date Unknown

MW
Volt. Reg.
MVAR
Governor
MVAR Test
PSS

**MVAR Capability Changes**

Emergency:     New Default:

Min
Max

Capability Adj. MVAR Adder:  
Apply Adj.

EMS Equipment Name	MW Points	MVAR Limit		Adj. MVAR Limit		
		Min	Max	MW Points	Min	Max
GRANGE GEN UNIT	50	-500	800	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>
GRANGE GEN UNIT	100	-478	765	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>
GRANGE GEN UNIT	150	-468	749	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>
GRANGE GEN UNIT	200	-458	732	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>
GRANGE GEN UNIT	250	-448	718	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>
GRANGE GEN UNIT	300	-437	700	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>
GRANGE GEN UNIT	350	-427	683	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>
GRANGE GEN UNIT	400	-417	668	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>

Clear
Submit Form
Main Menu

# MVAR Ticket Fields

- **Emergency:** Indicates if it is an Emergency outage. Only applies if the change was unplanned
- **New Default:** Indicates that the change to the D-curve is permanent and will be used as the default going forward
- **Capability Adj. MVAR Adder:** Add or subtract a value from all entries at once rather than changing values individually to shift the entire D-curve
- **Max:** MVAR Max values should decrease or stay constant as MW Point value increases
- **Min:** MVAR Min values should increase or stay constant as MW Point value increases

# MVAR Ticket Fields

- **Apply Adj.:** Apply adder value to MVAR values
- **MVAR Limit:** The Min and Max columns under MVAR Limit display the existing minimum and maximum values respectively
- **Adjusted MVAR Limit:** The MW points and the Min and Max columns under the Adjusted MVAR Limit field display the new values after the adder is applied

# Creating a Governor Ticket

### New Generator Ticket

User ID: **studentgen89**      Company: **SBT Gen Comp 0**  
Generation Type:       Unit Name:

Company Ticket ID:       Date:       Hour:   
(MM/DD/YY)      (HH24:MI)

Description:

Est./Ramp Start:         
Est. End:         
End Date Unknown

**MW**    **Volt. Reg.**    **MVAR**    **Governor**    **MVAR Test**    **PSS**

#### Governor Ticket Info

Out of Service:  Yes     No  
Emergency:     Yes     No

**Clear**    **Main Menu**

# Governor Ticket Fields

- **Out of Service:** Use this field to indicate if the governor is Out of Service
- **Emergency:** Use this field to indicate if it is an Emergency outage



# Creating a MVAR Test (Reactive Power Test) Ticket

### New Generator Ticket

User ID:  Company:

Generation Type:  Unit Name:

Company Ticket ID:

Description:

Date (MM/DD/YY)  Hour (HH24:MI)

Est./Ramp Start:

Est. End:

#### Current eDART D-Curve

EMS Equipment Name	MW Points	MVAR Limit	
		Min	Max
LOCHER GEN UNIT	300	-437	699
LOCHER GEN UNIT	425	-411	658
LOCHER GEN UNIT	550	-385	616
LOCHER GEN UNIT	675	-359	574
LOCHER GEN UNIT	800	-332	534
LOCHER GEN UNIT	925	-308	493
LOCHER GEN UNIT	1100	-270	432
LOCHER GEN UNIT	1200	-250	400

# MVAR Test Ticket Fields

- **Current eDART D-curve:** This table displays the current D-Curve data for reference

# Creating a Power System Stabilizer (PSS) Ticket

## New Generator Ticket

User ID: [studentgen89](#) Company: [SBT Gen Comp 0](#)  
Generation Type: **Nuclear** Unit Name: **Locher**

Company Ticket ID:  Date (MM/DD/YY)  Hour (HH24:MI)   
Description:  Est./Ramp Start:    
Est. End:    
End Date Unknown

**MW** **Volt. Reg.** **MVAR** **Governor** **MVAR Test** **PSS**

### Power System Stabilizer Ticket Info

Out of Service:  Yes  No  
Emergency:  Yes  No

**Clear** **Submit Form** **Main Menu**

# PSS Ticket Fields

- **Out of Service:** Use this field to indicate if the PSS is Out of Service
- **Emergency:** Use this field to indicate if it is an Emergency outage

# Revising Tickets and Ticket Status

# View/Revise a Generation Ticket

**Generator Tickets Main Menu**

Summer Peak Period Maintenance Margin Season Start: 06/15/2015 End: 09/11/2015	
Current Maintenance Margin	
Mid-Atlantic	
Western-Southern	

Create New Ticket
View/Revise Ticket

	MW	Volt. Reg.	MVAR	Governor	MVAR Test	PSS
Submitted Tickets	6	26	25	00	1	1
Revised Tickets	7	7	0			
Current Tickets	1	0	0			
Approved Tickets	26	0	0			
Future Tickets	0	0	0			
Approved No Start	26	0	0			
Active Beyond End	1	0	0			
Tickets History						

Owners Report
Maint. Margin Log

Blackstart XLS Upload
Blackstart File Download

**Generator Ticket Selection Form**

Company: [SBT Gen Comp 0](#)

Ticket Type	Ticket ID	Comp. Ticket ID
<input type="text"/>	<input type="text"/>	<input type="text"/>
Outage Type	Unit Type	Unit Name
<input type="text"/> N/A (Reactive Tickets) ▲ Planned Unplanned Maintenance Forecasted Planned ▼	<input type="text"/>	<input type="text"/>
Cause	Reduction	Installed Capacity
<input type="text"/>	Equal to ▼ <input type="text"/>	Equal to ▼ <input type="text"/>
Ticket Status	Revision Status	
<input type="text"/>	<input type="text"/>	<input type="text"/>
Submission Date (MM/DD/YY)	Est. Start Date (MM/DD/YY)	Est. End Date (MM/DD/YY)
From: <input type="text"/> To: <input type="text"/>	From: <input type="text"/> To: <input type="text"/>	From: <input type="text"/> To: <input type="text"/>
Actual Start Date (MM/DD/YY)	Actual End Date (MM/DD/YY)	Occuring During (MM/DD/YY)
From: <input type="text"/> To: <input type="text"/>	From: <input type="text"/> To: <input type="text"/>	From: <input type="text"/> To: <input type="text"/>

Apply Filter
Main Menu

# View/Revise a Generation Ticket

Generator Tickets							
<a href="#">Apply Sorting</a> <a href="#">Go to Filter</a>							
Ticket ID	Comp. Ticket ID	Ticket Type	Outage Type	Submittal Date	Unit Name	MW Reduction	Status
1							
<a href="#">973174</a>		MW	Unplanned	02/12/2014	External 2	24	Approved
<a href="#">975820</a>		Governor	N/A	08/01/2014	External 3		Submitted
<a href="#">975821</a>		MVAR	N/A	08/01/2014	External 4		Submitted
<a href="#">975822</a>		MVAR Test	N/A	08/01/2014	External 1		Submitted
<a href="#">975823</a>		PSS	N/A	08/01/2014	Amus		Submitted
<a href="#">975824</a>		Volt. Reg.	N/A	08/01/2014	Locher		Submitted
<a href="#">Back</a> <a href="#">Main Menu</a>							

# View/Revising a MW (Real Power) Ticket

### Generator Ticket (Review/Revise)

User ID: [studentgen90](#) Ticket Number: [976009](#) Company: [SBT Gen Comp 0](#)

Generation Type: Combined Cycle Unit Name: External 4 Est./Ramp Start: 10/01/2014 08:00  
Ticket Status: Approved Timestamp: 09/04/2014 10:25 Est. End: 10/02/2014 12:00  
Company Ticket ID :  Actual Start:  
Actual End:

Description	PJM Comments
MW test reduction	

Est. Ramp Complete:  Date: 10/01/2014  
Company Switch Start:   
Company Switch End:

### New Revision

	Date	Time
Revised Start/Ramp Date/Time:	<input type="text"/>	<input type="text"/>
Revised Ramp Complete Date/Time:	<input type="text"/>	<input type="text"/>
Revised End Date/Time:	<input type="text"/>	<input type="text"/>

MW Reduction:  Eff. Date/Time:





# View/Revising a Voltage Regulator Ticket

Generator Ticket (Review/Revise)					
User ID: <a href="#">studentgen90</a>	Ticket Number: <a href="#">975824</a>	Company: <a href="#">SBT Gen Comp 0</a>			
Generation Type: Nuclear	Unit Name: Locher	Est./Ramp Start: 09/01/2014 07:00			
Ticket Status: Submitted	Timestamp: 08/01/2014 09:26	Est. End:	09/05/2014 07:00		
Company Ticket ID : <input type="text"/>		Actual Start:			
		Actual End:			
Description		PJM Comments			
<input type="text"/>		<input type="text"/>			
Voltage Regulator Ticket Info					
<i>The Voltage Regulator should always be in service if available.</i>					
Out of Service: <a href="#">Yes</a> Emergency: <a href="#">Yes</a>					
<a href="#">Cancel Ticket</a>	<a href="#">Add New Revision</a>	<a href="#">Submit</a>	<a href="#">Refresh</a>	<a href="#">History Log</a>	<a href="#">Main Menu</a>

# eDART Ticket Status

- **Submitted:** This is the original status of the ticket upon submittal
- **Approved:**
  - **MW Ticket** – The ticket status is changed to Approved by PJM upon review and approval
  - **Reactive Ticket** – The ticket status is changed to Received by PJM upon receipt of this type of ticket by PJM PD. The status is displayed as Approved on the menu
- **Active:** The ticket status is changed to Active upon input of an actual outage “start” date by PJM
- **Complete:** The ticket status is changed to Complete upon input of an actual outage “end” date by PJM
- **Pending Evaluation:** Maintenance Outages submitted with less than three days notice will get this status, in order for PJM to confirm reserve maintenance margins, and evaluate local reliability issues

# eDART Ticket Status

- **Denied:**

- **MW Ticket** – The ticket status is changed to Denied by PJM upon review and denial
- **Reactive Ticket** – The ticket status cannot be changed to Denied

- **Cancelled by Company:** The ticket status is changed to Cancelled by Company if the company initiates cancellation of the ticket.

Note: A verbal notification to PJM is required if the change affects current or the next operating day

- **Cancelled by PJM:** The ticket status is changed to Cancelled by PJM if PJM initiates cancellation of the ticket. A verbal notification is given to the company

# Questions?

**PJM Client Management & Services**

**Telephone: (610) 666-8980**

**Toll Free Telephone: (866) 400-8980**

**Website: [www.pjm.com](http://www.pjm.com)**



The Member Community is PJM's self-service portal for members to search for answers to their questions or to track and/or open cases with Client Management & Services