

PJM eDART Voltage Schedules for Transmission Owners



- The Voltage Schedules tool is an eDART web-based tool to aid compliance monitoring of Voltage Schedule communication between PJM, Transmission Owners and Generation Owners.
- This allows Transmission Owners to specify, and PJM to approve, Voltage Schedules for units in their zones.
- Includes new ticket (record) type, handling of exemptions, reporting, processing and seasonal verification.



eDART Voltage Schedules



Voltage Schedules Ticket Process Flow



eDART Voltage Schedules Ticket Statuses

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Voltage Schedules for New Units

- 1. PJM adds a new generator and a blank Voltage Schedules ticket is created.
- 2. TO creates new Voltage Schedules ticket to replace the blank one.
- 3. PJM reviews the ticket submitted by the TO.
- 4. If PJM approves, the ticket will be available to GO for acknowledgement.
- 5. If GO acknowledges, the ticket becomes "Active".



- 1. TO creates new Voltage Schedules ticket for unit for a future effective date.
- 2. PJM reviews the ticket submitted by the TO.
- 3. If PJM approves, the ticket will be available to GO for acknowledgement.
- If GO acknowledges, the ticket becomes "Active" and "Completes" the prior Voltage Schedules ticket for that unit on the effective date.



eDART Voltage Schedules – Application Walkthrough

Accessing Voltage Schedules from TO Menu



Voltage Schedules Starting Screen



Status filters	Voltage Schedules Filter
Voltage Sch	edule (as of 05/11/2022 15:13)
✓ Needs Schedule (5 / 11) Submitted (2 / 0) Panding Review (0 / 1) ✓ TO Review (0 / 1) PJM Reviewed (2 / 0) GO Acknowledged (0 / 0) ✓ Saved (0 / 0) Active (0 / 0) Completed (0 / 0) Canceled by TO (0 / 0) Canceled by PJM (2 / 0) In Effect Canceled Prev. Ack. (0 / 0) Late (2 / 0) GO Comments (0 / 0) Apply Filter Clear Filter Submit Saved	0) Trans. Owner VINit Type VINit Type Gen. Owner VINit Name Trans. Zone VINit Name Go Date GO Date GO Date To Date To Date Incl. Hist. Eff. Date TO Date GO Date CSV Export Main Menu Help Philosophy
Complex filters	Date filters



Voltage Schedule Ticket Details





Voltage Schedules Ticket

When creating Voltage Schedules ticket, the following fields are <u>required</u>:

- Bus Name
- Voltage Schedule Type
- Normal (Target Value, Lower Limit, and Upper Limit)
- Effective Date
- Status
 - Set to Submitted by default but can be changed to Saved if TO wants to save progress and submit ticket to PJM later.



Upper and Lower Limits

- Normal Target: This is the target value.
 - Unit differs per schedule type.
- Lower Limit: The lower limit of the target value
- **Upper Limit**: The upper limit of the target value
- Light and Heavy values are not required but can be added if the TOs choose.

			Light		Heavy				
t Lower	Upper	Target	Lower	Upper	Target	Lower	Upper		
	-								
	et Lower	et Lower Upper	et Lower Upper Target	et Lower Upper Target Lower	et Lower Upper Target Lower Upper	et Lower Upper Target Lower Upper Target	et Lower Upper Target Lower Upper Target Lower		



The effective date is the day the ticket becomes "In Effect".

- This applies to all 4 Voltage Schedules Types
- This date cannot be the day the ticket was submitted.
 - Earliest Effective Date allowed is the next day (submission date + 1 day)
- No two tickets can start on the same day.
 - Error returned if user submits a future ticket with the same effective date as one that already exists for the unit.

Back



Voltage Schedules Ticket Process Flow





- Per PJM Manual 3 section 3.11, PJM has the following criteria for generators that require a Voltage Schedule:
 - Individual generating units greater than 20 MVA
 - Generators that aggregate to 75 MVA or greater that are connected to a common bus
 - Black start generators
 - Any other Generation Owners that request a voltage schedule
- Generators added to eDART that meet the above criteria will have a blank *Needs Schedule* ticket automatically entered requiring a new Voltage Schedule ticket to be submitted by the TO.



Needs Schedule Ticket

			Voltage Sc	hedule Ticket D	etails (a	as of O	5/11/20)22 15:	22)						
Tickot #	GO Company	TP Zono	Unit Name Equipment Name	Voltage Schedule		Normal			Light			Heavy		Effective	Status
TICKEL #	TO Company	TK Zone	Bus Name	Туре	Target	Lower	Upper	Target	Lower	Upper	Target	Lower	Upper	Date	Status
			New Test Unit 1	~											Submitted V
	GO Company A	vv	TEST 500 KV UNIT 1												
	TO Company X	~~													
	TO Comments:		GO Comments	:					Com	JM nents:					0
	Neede Cebedule (0 / 20) 🖂 Cubra	mad (2 (0)	Deading Deview (0 (1)		Trans Ow	/ner						~	linit 1	[vne	
	BIM Reviewed (1 / 0) GO A	ttea (270) sknowledged	(0 / 0) Saved (0 / 0)	Active (7 / 1)	Gen. Own						~		Unit	Name	
	Completed (0 / 0)	led by TO (0	/ 0) Canceled by PJM (12 / 1)] / (6110 (/ / /)	Trans. 7o	ne	~]					Ticke	t #	
	In Effect Canceled P	rev. Ack. (1	/ 0) 🗌 Late (2 / 0) 🗌 GO Comme	ents (0 / 0)	From Date	e		To D)ate		Incl.	Hist. 🗌	Eff. Date	e ✓ TO Date 🗌	GO Date
			Apply Filter Clear Filter	Submit Form	Close	Main	Menu		elp	TO Sci Philos	nedule sophy				

Voltage Schedules Ticket Process Flow



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Submitted Ticket

TO:

PJM:

05/12/2022 Submitted GO:



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3115

GO Company A

TO Company X

New Test Unit 1

XX

TEST 500 KV UNIT 1

TEST 500 KV West Bus

Voltage(KV)

525.0 517.0 533.0



TO Task: Submitting a New Voltage Schedules Ticket

Notifications: The TO will be notified of a new generator requiring a voltage schedule by the TO Voltage Schedules button turning Red AND an email notification to the TO email address.

Required Entries:

- Regulated Bus Name
- Normal Load Condition Schedule Values:
 - Target/Lower Tolerance/ Upper Tolerance
- Effective Date
- Status

Optional Entries:

- Light and Heavy Load Condition Schedule Values:
 - Target/Lower Tolerance/ Upper Tolerance
- TO Comments
- File Attachment (Required for TO Exempt tickets)



PJM Reviewed Ticket

	Г		Voltage	e Schedule Ticket	Detail	s (as o	f 05/11/	2022 15	5:22)						
Ticket #	GO Company TO Company	TR Zone	Unit Name Equipment Name Bus Name	Voltage Schedule Type	Target	Normal Lower	Upper	Target	Light Lower	Upper	Target	Heavy Lower	Upper	Effective Date	Status
			New Test Unit 1	Voltage V	525.0	8.0	8.0			\square			Ē	05/12/2022	PJM Reviewed
3115	GO Company A TO Company X	XX	TEST 500 KV UNIT 1	(KV)		517.0	533.0								Status Date 05/11/2022 16 Last Modified [
Con	TO nments:		GC Commo) ents:					$\hat{}$	PJM Comme	nts:				
	eeds Schedule (14 / 13) Sut	omitted (1 / 1)	Pending Review (0 / 0 0 / 0) Saved (1 / 0)) TO Review (0 /	1) Trans Gen.	s. Owner Owner						~	Un Vin	nit Type	

						Volta	age S	ched	ule T	ickets	S						
	Tickot #	GO Company	TR	Unit Name Equipment Name	Voltage Schedule		Normal			Light			Heavy		Effective Date	Statue	Commonte
	ficket #	TO Company	Zone	Bus Name	Туре	Target	Lower	Upper	Target	Lower	Upper	Target	Lower	Upper	Lifective Date	Status	Comments
				New Test Unit 1													TO
	3115	GO Company A	XX		Voltage(KV)	525.0	517.0	533.0							05/12/2022	PJM Reviewed	GO:
$\ $	0110	TO Company X	XX		ronago()	020.0											P.IM.
		. ,		TEST 500 KV West Bus													

Voltage Schedules Ticket Process Flow



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Downloading Attached File

					Volta	ge So	chedu	le Ticket	S						
Ticket #	GO Company	TR	Unit Name Equipment Name	Voltage Schedule	, <u> </u>	Normal		Light		Heavy	Effective Date	Status		Comments	
	TO Company	Zone	Bus Name	Гуре	Target	Lower	Upper 1	Farget Lowe	Upper Targe	et Lower Upper					
2445	GO Company A		New Test Unit 1										то:		
3115 Download		××	TEST 500 KV UNIT 1	Voltage(KV)	525.0	517.0	533.0				05/12/2022	PJM Reviewed	GO:		
			TEST 500 KV West Bus										PJM:		
						File f	dit View	Tools Help							
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						- 🗙 F	avorites Deskton			Name	ne Schedule Letter	Type Adobe Acrobat D	ocument	Compressed size Passw 160 KB No	ord
							Downloads	;							
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		orer ti	le options												
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									Te	st Unit Owner	IARGET VOLTA	GE SCHEDULE ANI	RANGE		
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L						I			Te Ta	st Unit Owner	ARGET VOLTA	GE SCHEDULE ANI) RANGE	_	
L									Te Ta	st Unit Owner arget Voltage Schedule Generator est Unit 1	ARGET VOLTA e and Range Merimum Voltage (24) 517 533	GE SCHEDULE ANI) RANGE Monitor est 500 kV We	ref Else	
L									Ta Ta	st Unit Owner arget Voltage Schedule Generator est Unit 1	ARGET VOLTA and Range Voltage (KV) 517 533	GE SCHEDULE ANI) RANGE Monitor est 500 kV We	red Brs Jest bus	
L]	Þ				st Unit Owner arget Voltage Schedule Generator est Unit 1	ARGET VOLTA	GE SCHEDULE ANI pe Voltage Range (20) 3 525 +/-8 kV T le and Range) RANGE Monitor est 500 kV We	ref Eles Test bus	
L						Þ			Te Ta Ta Un are affi res	st Unit Owner arget Voltage Schedule Generator est Unit 1 peration Outside of Ta aless instructed otherwi e directed to operate Ge er notification to the TC is concess to maintain the readen on which the TC are	ARGET VOLTA and Range <u>Voltage</u> Voltage S17 S17 S17 S17 S17 S17 S17 S17 S17 S17	GE SCHEDULE ANI	Mesiter Mesiter est 500 kV We enerating stat de controllin ciritation and connection	red Eus Jest bus Ation personnel gy voltage and, lo other reactive Substation in	

Voltage Schedules Ticket Process Flow



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- A ticket in GO Acknowledged status will turn active once the effective date of the ticket has been reached.
- Old Active Voltage Schedule tickets are automatically completed once a new GO Approved ticket turns Active by reaching its Effective Date.
- Active tickets are highlighted by a mint-green tab on the Voltage Schedule Tickets listing.



Active Ticket

Ticket #	GO Company	TR Zor	e Fauinme	Name Vo	oltage Schedule		Normal			Light			Heavy		Effec	tive	Status
TTOROL #	TO Company		Bus	Name	Туре	Target	Lower	Upper	Target	Lower	Upper	Target	Lower	Upper	Da	te	Julius
			New Test Ur	nit 1	Voltage 🗸	525.0	8.0	8.0			\square			\square	05/12/2	022	Active V
	GO Company A				(KV)		517.0	533.0									Status Date:
3115	70.0 %	XX	TEST 500 KV	UNIT1													05/12/2022 00:02
	TO Company X		TEST 500 KV V	Vest Bus													05/12/2022 00:02
)				0)		,)		
	то			△ GO	GO Company J	has no	o conce	rns with	the	~	PJM						^
Cor	nments:			Comments:	specified vo	oltage :	schedul	e		\sim	Commer	nts:					\sim
		Acknowledged	(1/0) 🔽 Saved (3	2/0)	Active (1 / 0)		0										
		ACKIIOWIeuueu															
	$mpleted (0 / 0) \qquad \Box Can$	celed by TO (0	(0) Canceler	d by PIM (1 / 0)	/(cuve (47.0)	Gen.	Owner		_			~		Unit	Name		
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□ Co	mpleted (0 / 0) Canceled	celed by TO (0 Prev. Ack. (0 /	(0) Canceled (0) Late (4 / 0)	d by PJM (1 / 0)	its (0/0)	Trans From	. Zone Date		✓ 	To Date		II	ncl. Hist.	Ticke	Name et # f. Date 🔽	3115 TO	Date GO Date
Co	In Effect Canceled	celed by TO (0 Prev. Ack. (0 /	(0) Canceleo 0) Late (4 / 0)	d by PJM (1 / 0)) GO Commer	its (0 / 0)	Trans From	. Zone Date		✓ 	To Date (li	ncl. Hist.	Ticke	Name et# f. Date ⊻	3115 TO	Date GO Date
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C 0	In Effect Canceled	celed by TO (0 Prev. Ack. (0 /	(10) Canceler 0) Late (4 / 0) Apply Filter	d by PJM (1 / 0))	ts (0 / 0) History Log	Clos	. Zone Date	Main Mer	✓	To Date (Help		O Schedu Philosoph	ncl. Hist.	Unit f	Name st# f. Date ⊡	3115] TO	Date GO Date
C 0	In Effect Canceled	celed by TO (0 Prev. Ack. (0 /	(10) Canceler 0) Late (4 / 0) Apply Filter	d by PJM (1 / 0)) GO Commer	History Log Voltage	Clos	. Zone Date	Main Mer		To Date (Help		In O Schedu Philosoph	ncl. Hist.	Unit I Ticke	Name ht# f. Date ⊡	3115] TO	Date GO Date
C 0	GO Company	TR	(10) Canceled 0) Late (4 / 0) Apply Filter Unit Name quipment Name	d by PJM (1 / 0)) GO Commer Clear Filter	Voltage	Clos Sched	Zone Date	Main Mer iCkets Light		To Date (Help Heav	D (C Schedu Philosoph	ncl. Hist.	Unit I Ticke	vame st # f. Date ⊡	3115 TO	Date GO Date
C 0	GO Company TO Company	TR Zone E	(1 0) Canceler 0) Canceler 0) Late (4 / 0) Apply Filter Unit Name guipment Name Bus Name	d by PJM (1 / 0) GO Commer Clear Filter Voltage Schedu Type	Voltage Ie Norma Target Lowe	Clos Sched	Jule T	Main Mer iCKEtS Light .ower Up	per Tar	To Date Help Heav get Lowe	y er Upper	C Schedu Philosoph	ncl. Hist.	Unit I Ticke	Name st # f. Date ⊡	3115] TO	Date GO Date
C 0	GO Company TO Company	TR Zone E	(1 0) Canceled 0) Late (4 / 0) Apply Filter Unit Name Juipment Name Bus Name w Test Unit 1	d by PJM (1 / 0)) GO Commer Clear Filter Voltage Schedu Type	History Log Voltage le Norma Target Lowe	Clos Sched	Jule T	Main Mer ickets Light .ower Up	per Targ	To Date Help Heav get Lowe	y Pr Upper	C Schedu Philosoph	ncl. Hist.	Unit I Ticke	vame t# f. Date ⊡ us	3115 TO	Date GO Date Comments
- Co	GO Company TO Company A	TR E	(10) Canceled (0) Canceled (10) Late (4 / 0) Apply Filter Unit Name quipment Name Bus Name w Test Unit 1	d by PJM (1 / 0)) GO Commer Clear Filter Voltage Schedu Type Voltage(KV)	Voltage Voltage Target Lowe	Clos Sched	Jule T	Main Mer ickets Light .ower Up	per Tars	To Date (Help Heav get Lowe	y r Upper	C Schedu Philosoph	Date	Unit I Ticke	vame t # f. Date ⊡ us	3115 TO TO:	Date GO Date Comments

Download

TO Company X

TEST 500 KV West Bus

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PJM:



Voltage Schedule Criteria



Voltage Schedule (VS) Criteria

Submission, by TO, and review of Voltage Schedule (VS) Criteria is in accordance with VAR-001-5 R5.3 standard.

Status Definitions

- **Submitted**: new VS Criteria status when submitted to PJM
- Approved: VS Criteria reviewed and approved by PJM
- **Denied**: VS Criteria reviewed and not approved by PJM
- Active: Approved VS Criteria is in effect
- Completed: VS Criteria is no longer in effect; may be replaced by a new Active VS Criteria
- Cancelled: VS Criteria cancelled by PJM or TO

Accessing VS Criteria from TO Menu







Create VS Criteria





To Date:

Submitted, Approved, Denied and Active VS Criteria Tickets are selected by default

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Voltage Schedule Criteria Report

Status: 🖉 Submitted 🖉 Approved 🖉 Denied 🗌 Canceled by Company 📄 Canceled by PJM 😰 Active 📄 Completed Include Notifications: 📄 Include Historical: 📄 From Date:

Спета	
ID Company Status Eff. Date End Date Criteria Files	
Test	
2201 Download (1 files)	
2203 Denied 05/12/2022	
Apply Filter Refresh Create New Main Menu	



Viewing VS Criteria

Check 'Include Notifications' to include VS Criteria from TOs of Informational VS Tickets Check to include VS Criteria completed or cancelled 40 or more days ago

					Vol	tage Sc	hedule Criteria Report	
Status: 🔽 Submi	itted 🔽 🗸	Approved 🔽 Denied 🔲 Canceled b	oy Compan	iy 🗌 Canc	eled by PJM	1 🔽 Active	e 🗌 Completed 🛛 Include Notifications: 🔲 Include Historical: 📄 From Date:	To Date:
							Create New	
					Apply Filter	Ref	resh Criteria Main Menu	
	ID	Company	Status	Eff. Date	Start Date	End Date	Criteria	Files
							Test	
	2204		Approved	05/22/2022				Download (1 files)
	2201		Approved	05/25/2022				Download (Times)
							/	
							Test	
	2202		Donied	05/12/2022				Download (0 files)
	2203		Denieu	03/12/2022				Download (o mes)
							Test	
	2062	a second and a second second second	Activo	04/20/2022	04/10/2022			Download (0 files)
	2003		Active	04/20/2022	04/19/2022			Download (0 lifes)
					Apply Filter	Ref	resh Create New Main Menu	
					Apply Filler		Criteria Main Meno	

Click to download zip of attached files and text file with information in Criteria field



Viewing/Revising VS Criteria

						Volt	age Sc	hedule Crite	eria Report		
Status:	Submitted	Approved	Denied Canceled	by Compan	iy 🗆 Canc	eled by PJM	Active	e 🗌 Completed	Include Notifications:	Include Historical: 🗌 From Date:	To Date:
						Apply Filter	Refr	esh Creat Crit	e New Main Menu		
		ID	Company	Status	Eff. Date	Start Date	End Date		Crite	ria	Files
								Test			
		2201	the extension tempory	Approved	05/23/2022						<u>Download (1 files)</u>
											<u>//</u>
		20022		A	0.4/20/2022	0.4/4.0/20222		Test			Developed (0.5loc)
		2003		Active	04/20/2022	04/19/2022				,	
	1	<u> </u>				Apply Filter	Refr	esh Creat Crit	e New eria Main Menu		
						Voltage	Sched	ule Criteria F	Review (2201)		
			Company:		and balls	Company -	S	tatus: Approved	Ef	ective Date: 05/23/2022	
			Tes	t							
			Criteria:								
										/	
			PJ M Comments:								
							Status Approved	History Log User Tin 05/10/20	ne 22 15:16		
					Submit F	Form	efresh	Files (1)	Back to Report Main Menu		



eDART Voltage Schedules – Appendix



Ticket Status Definitions

- **Submitted:** The ticket is submitted and ready for PJM to review.
- **Saved:** This is a save state for TOs. TOs can close the ticket and come back to work on it at a later time.
- **TO Review:** PJM sent ticket back to TO with comments for review.
- **PJM Reviewed:** PJM has reviewed the ticket and it is pending GO acknowledgement.
- **GO Acknowledged:** GO has acknowledged ticket.



Ticket Status Definitions

- Active: The ticket is in effect.
- **Completed:** The ticket has been replaced by another active ticket for that unit.
- Canceled by TO: TO canceled the ticket.
- Canceled by PJM: PJM canceled the ticket.



Ticket Types

There are 4 types of Voltage Schedules tickets:

- > Voltage
- Power Factor
- Reactive
- > TO Exempt



Voltage Ticket

Required fields:

- Normal (Target Value, Lower Limit, and Upper Limit in KV)
- Effective Date
- Status
- Bus Name

			Voltage S	chedule Ticket	t Detail	s (as (of 05/1	6/2022	2 09:17	')					
Tisket #	GO Company	TD Zana	Unit Name	Voltage Schedule		Normal			Light			Heavy		Effective	Ctatus
HCKet #	TO Company	TR Zone	Bus Name	Туре	Target	Lower	Upper	Target	Lower	Upper	Target	Lower	Upper	Date	Status
			TEST Unit 1	Voltage 🗸										10/01/2023	Saved
2024	TEST GO Company 1	TEST	TEST Equipment 1	(KV)											Status Date:
3031	TEST TO Company 1	TEST	TEOT Equipment 1												05/16/2022 09:16
			Test												05/16/2022 09:16
1	0		GO				<u> </u>		~	РЈМ		£		£	~
Com	nents:		Commer	nts:					\sim	Commer	its:				\sim

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Voltage Ticket - XML

<voltageschedule></voltageschedule>
<ur><unitnumber>1234</unitnumber></ur>
<scheduletype>Voltage</scheduletype>
<pre><effectivedate>2023-10-01T00:00:00.000-04:00</effectivedate></pre>
<pre><status>Submitted</status></pre>
(busName>test2(/busName>
<pre></pre>
(normal Walwar)
<target>138</target>
<lowerbound>4</lowerbound>
<upperbound>2</upperbound>
dightValues>
<target>140</target>
<lowerbound>3</lowerbound>
<upperbound>5</upperbound>
<heavyvalues></heavyvalues>
<target>142</target>
<lowerbound>1</lowerbound>
<upperbound>4</upperbound>



Power Factor Ticket

Required Fields.

- Normal (Target Value, Lower Limit in %, and Upper Limit in %)
- Lead, Lag and Unity
- Effective Date
- Status
- Bus Name





Power Factor Ticket - XML

<	voltageSchedule>
	<unitnumber>1234</unitnumber>
	<scheduletype>PowerFactor</scheduletype>
	<pre><effectivedate>2023-08-01T00:00:00.000-04:00</effectivedate></pre>
	<status>Submitted</status>
	 sName>Test
	<normalvalues></normalvalues>
	<target>0.8</target>
	<pftype>Lead</pftype>
	<lowerbound>2</lowerbound>
	<upperbound>2</upperbound>
	dightValues>
	<target>1</target>
	<pftype>Unity</pftype>
	<lowerbound>2</lowerbound>
	<upperbound>0</upperbound>
	<heavyvalues></heavyvalues>
	<target>0.8</target>
	<pftype>Lag</pftype>
	<lowerbound>1</lowerbound>
	<upperbound>1</upperbound>



Reactive Ticket

Required fields:

- Bus Name
- Normal (Target Value, Lower Limit, and Upper Limit in MVAR)
- Effective Date
- Status

			· ·	Voltage S	Schedule Ticke	t Detai	ls (as c	of 05/1	1/2022	15:22)						
Ticket #	GO Company	TR Zone	Unit Nan Equipment I	Vame	Voltage Schedule	Normal			Light			Heavy			Effective	Statue
TIONOL #	TO Company	TH LONG	Bus Nam	ne	Туре	Target	Lower	Upper	Target	Lower	Upper	Target	Lower	Upper	Date	otatao
	TEST GO Company		TEST UNIT 4		Reactive V (MVAR)											Submitted V
	TEST TO Company	TEST	TEST Equipmen	nt 4												
TO Comme	nts:) (GO Comments:				1		Con	PJM nments:		<u>.</u>	1		0





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• TO Exempt Tickets allow Transmission Owners to request a Voltage Schedule exemption for units that meet PJM's criteria.

Ticket GO Company TO Company TR Equipment Name Bus Name Voltage Schedule Type Normal Light Heavy Effective Date Status 3031 TEST GO Company TEST TO Company TEST UNIT 1 TO Exempt V Target Lower Upper Target Lower Upper Target Lower Upper Target Lower Upper Test To Company 06/22/2023 Saved Status Ba 05/16/2022 / Last Modified 05/16/2022 / Comments: V Needs Schedule (11/38) Submitted (6/0) Pending Review (0/0) To Review (0/0) Trans. Owner V Mit Type Public Completed (0/0) Canceled Prev. Ack. (38 / 0) Late (5/1) Go Comments (0/0) To Date To Date To Date To Date To Date Cose File attachment is required				Voltag	je Schedule Ticke	t Detai	ls (as o	f 05/11	/2022 1	5:22)						
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TO Exempt Ticket - XML

Ticket will be created in Saved status.

• TO should login on the web UI to attach file and submit ticket.

<voltageSchedule> <unitNumber>1234</unitNumber> <scheduleType>TO Exempt</scheduleType> <effectiveDate>2022-06-01T00:00:00.000-04:00</effectiveDate> <status>Saved</status> <busName>Test</busName> <toComments>Test TO Exempt Voltage Schedule</toComments> </voltageSchedule>



Upload Response - XML

<<mark><?</mark>xml version="1.0" encoding="UTF-8" standalone="yes"<mark>?></mark> <vs:voltageScheduleResponses xsi:schemaLocation="<u>http://www.pjm.com/external/schemas/voltageschedule/v1</u>" xmlns:vs="<u>http://www.pjm.com/external/schemas/voltageschedule/v1</u> voltageschedule.xsd" xmlns:xsi="<u>http://www.w3.org/2001/XMLSchema-instance</u>">

<voltageScheduleResponse>

<uploadStatusMessage>New Ticket# 1111 created.</uploadStatusMessage>

<ticketId>1111</ticketId>

<ticketStatus>**Saved**</ticketStatus>

<unitNumber>1234</unitNumber>

<effectiveDate>2022-06-01T00:00:00.000-04:00</effectiveDate>

</voltageScheduleResponse>

</vs:voltageScheduleResponses>

Additional Information

For more information please refer to <u>edart-user-guide.ashx (pjm.com)</u> (<u>https://www.pjm.com/-/media/etools/edart/edart-user-guide.ashx</u>)

For more information about VS XML Upload/Download please refer to <u>Dart Browserless User Guide (pjm.com)</u> (https://www.pim.com/ /modia/oteolo/odert/dort browserless user guide

(https://www.pjm.com/-/media/etools/edart/dart-browserless-user-guide.ashx)

For additional help, please contact VoltageSchedules@pjm.com