



Transmission Owner Tie-Line PJM Connect Site

Kimberly Brockmeyer
Planning & Legal Applications
As of August 19, 2021

Action Required	Deadline	Who Is Affected
Provide Transmission Owners access to and training on new PJM Connect site	September TBD	Transmission Owners
Begin using the new PJM Connect site in place of excel documents	Per RTEP draft posted October 6 and due back November 19	Transmission Owners



MOD-032 requirement

- PJM is required to maintain a list of tie facilities (lines and transformers)

Current Approach

- PJM maintains this through various spreadsheets provided by the transmission owners and aggregated by the System Planning Modeling & Support department at PJM.

New Approach

- Using new PJM Connect site, Transmission Owners will be able to enter their specific tie line segments and mutuals and the site will aggregate it and have the ability to generate reports based on current or future dates for modeling.

Tie Lines



Tie Lines

[Add/Edit Tie Lines](#)
[View Tie Line Report](#)

2 Winding Transformer

[Add/Edit 2 Winding Transformers](#)
[View 2 Winding Transformer Report](#)

3 Winding Transformer

[Add/Edit 3 Winding Transformers](#)
[View 3 Winding Transformer Report](#)

Tie Lines

[Apply Filters](#)
[Clear Filters](#)
[Add New Tie Line](#)

Edit	Tie Line Id	Tie Line Name	Voltage	From Bus	From Bus Name	To Bus	To Bus Name	Circuit ID	Metered End	In Service	Ownership TO	Area Number	Owner #s
	<input type="text"/>	<input type="text"/>	<input type="text" value="500"/>	<input type="text"/>	<input type="text" value="From"/>	<input type="text" value="Yes"/>	<input type="text" value="DOM"/>	<input type="text" value="345"/>					
	0298	Prunty - Mount Storm	500	235112	PRUNTY	314917	MOUNT STORM	1	From	Yes	DOM	345	312
	0299	Doubs - Goose Creek	500	235105	Doubs	314939	Goose Creek	1		Yes	APS	201	201
											DOM	345	312

Add New Tie Line

Tie Line ID:	
Tie Line Name:	<input type="text"/>
Voltage:	34.5 ▼
From Bus:	<input type="text"/>
From Bus Name:	<input type="text"/>
To Bus:	<input type="text"/>
To Bus Name:	<input type="text"/>
Circuit ID:	<input type="text"/>
Metered End:	From ▼
In Service:	Yes ▼
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

Edit Tie Line

Tie Line ID:	0298
Tie Line Name:	Prunty - Mount Storm
Voltage:	500
From Bus:	235112
From Bus Name:	PRUNTY
To Bus:	314917
To Bus Name:	MOUNT STORM
Circuit ID:	1
Metered End:	From
In Service:	Yes
Overall Tie Line In Service Date:	
Overall Tie Line Retire Date:	
Edit	

Tie Line Segments

Edit	Ownership TO	Area Number	Owner #	In-Service Date	Retirement Date	Are the impedances entered the total impedance of the line?	R (pu)	X (pu)	B (pu)	Summer Rate 1 (MVA)	Summer Rate 2 (MVA)	Summer Rate 3 (MVA)	Winter Rate 1 (MVA)	Winter Rate 2 (MVA)	Winter Rate 3 (MVA)	Length
	DOM	345	312				0.000001	0.000028	0.00218	4330	4330	5196	4980	5023	5196	
	APS	201	201				0.000469	0.010782	0.8525	3683	4514	5108	4174	5122	5716	

Add New Tie Line Segment

Mutuals

Edit	Ownership Tie Line Name	Is Mutual a Tie Line?	Mutual Tie Line Number	Mutual Line Name	Voltage	Ownership TO	Area Number(s)	Owner Number(s)	In-Service Date	Retirement Date	From Bus	To Bus	Circuit ID	From 1%	To 1%
	Mutual 9024	Yes	0299	Doubs - Goose Creek	500	APS,DOM	201,345	201,312			235105	314939	1		

Add a Mutual

Tie Line Report

Effective Date

Tie line Assigned Number	Ownership Tie Line Name	Line Voltage (kV)	Ownership TOs	Area #s	Owner #s	Overall Tie Line In Service Date	Overall Tie Line Retire Date	Segment/Mutual	Is Mutual a Tie Line	Mutual Tie Line Number	Mutual Line Name	Are the impedances entered the total impedance of the line?
<input type="text"/>	<input type="text"/>	<input type="text" value="500"/>	<input type="text"/>	<input type="text"/>								
0298	Prunty - Mount Storm	500	APS,DOM	201,345	201,312			L				N/A
	Mutual 9024	500	APS,DOM	201,345	201,312			M	Yes	0299	Doubs - Goose Creek	
0299	Doubs - Goose Creek	500	APS,DOM	201,345	201,312		06/01/2025	L				N/A
0301	tie line 100	500	EPRS,JCP&L	209,228	230,255	01/01/2021		L				N/A

Presenter:

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**Transmission Owner Tie-Line PJM
Connect Site**



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