



## Interface Pricing Point Assignment Methodology

PJM assigns all Balancing Authorities (BA) in the NAESB WEQ Electric Industry Registry to an Interface Pricing Point based on the BA’s electrical location relative to the PJM footprint. The following Interface Pricing Points are effective for selection on ExSchedule Day-ahead Bids and assignment to Tags as of Aug 06, 2019.

Interface Pricing Point	Eligible for DA Bids	Eligible for Tags
CPLEIMP	X	X
CPLEEXP	X	X
DUKIMP	X	X
DUKEXP	X	X
HUDSONTP	X	X
IMO	X	X
LINDENVFT	X	X
MISO	X	X
NCMPAIMP	X	
NCMPAEXP	X	
NEPTUNE	X	X
NIPSCO	X	X
NORTHWEST	X	X
NYIS	X	X
OVEC	X	X
SOUTHEAST	X	
SOUTHIMP	X	X
SOUTHEXP	X	X
SOUTHWEST	X	

### Day-ahead Bids

PJM does not automatically assign Interface Pricing Points to ExSchedule Day-ahead Bids. Instead, users are provided with the ability to explicitly select their desired import/export Interface Pricing Points on the ExSchedule Day-ahead Bid submission screen.



## Tags

Interface Pricing Points are assigned to Tags via three methods:

1. Tag GCA/LCA Mappings
2. Tag Physical Path Mappings
3. Tag Special Exception Tokens

### GCA/LCA Mappings

By default, Interface Pricing Point assignments are determined via a Tag's Generation Control Area (GCA) and Load Control Area (LCA). Each non-PJM GCA/LCA will have a pricing point assignment which will be used to make the overall pricing determination.

- Import
  - The GCA will have a pricing point assignment, but the LCA will have no assignment since PJM is the LCA on an import Tag. The Interface Pricing Point assignment will be the GCA mapped pricing point.
- Export
  - The GCA will have no pricing point assignment since PJM is the GCA on an export Tag, but the LCA will have a pricing point assignment. The Interface Pricing Point assignment will be the LCA mapped pricing point.
- Wheel
  - On a wheel Tag, both the GCA and LCA will have pricing point assignments. The import pricing point will be the GCA mapped pricing point and the export pricing point will be the LCA mapped pricing point.

Market participants can manually determine their Tag's pricing point assignment via the mappings provided in Appendix A. Alternately, PJM offers a Pricing Point Calculator at: <https://exschedule.pjm.com/exschedule/pages/public/pricing-point-calculator.jsf>

### Examples

- Example Import: CIN-PJM Transmission Service is tagged with MISO as the GCA and PJM as the LCA. The Interface Pricing Point assignment will be MISO.
- Example Export: PJM-TVA Transmission Service is tagged with PJM as the GCA and TVA as the LCA. The Interface Pricing Point assignment will be SOUTHEXP.
- Example Wheel: NYIS-PJM-DUK reservation is tagged with NYIS as the GCA and DUK as the LCA. The import Interface Pricing Point assignment will be NYIS and the export Interface Pricing Point assignment will be DUKEXP.



### **Tag Physical Path Mappings**

While the majority of Interface Pricing Point assignments are made via the Tag GCA/LCA, in certain situations, PJM will look beyond the GCA/LCA to specific entries on the Tag Physical Path. The current path-based mappings are listed below.

#### ***Neptune Regional Transmission System***

Tags utilizing the Neptune path will have a non-PJM GCA/LCA of NYIS and would normally receive the NYIS Interface Pricing Point. Based on the physical path mapping, these Tags will instead receive the NEPTUNE Interface Pricing Point.

#### ***Linden Variable Frequency Transformer***

Tags utilizing the Linden VFT path will have a non-PJM GCA/LCA of NYIS and would normally receive the NYIS Interface Pricing Point. Based on the physical path mapping, these Tags will instead receive the LINDENVFT Interface Pricing Point.

#### ***Hudson Transmission Project***

Tags utilizing the Hudson path will have a non-PJM GCA/LCA of NYIS and would normally receive the NYIS Interface Pricing Point. Based on the physical path mapping, these Tags will instead receive the HUDSONTP Interface Pricing Point.

#### ***Hydro-Québec TransÉnergie Interface***

Tags that source or sink at the HQT BA would normally receive the NYIS Interface Pricing Point; however, based on the physical path mapping, these Tags will either receive the NYIS or IMO Interface Pricing Points.

Interconnections between HQT and its neighboring BAs are DC Ties, and a transaction scheduled from HQT (across the HQT/IESO interface) to PJM has significantly different power flows than a transaction scheduled from HQT (across the HQT/NYISO interface).

Tags that are determined to have been scheduled via HQT's DC Ties to NYISO, ISO-NE, or NBSO will continue to receive the NYIS Interface Pricing Point. Tags that are determined to have been scheduled via HQT's DC Ties to IESO will receive the IMO Interface Pricing Point.



### *Tag Special Exception Tokens*

In some scenarios, the Interface Pricing Point assignment is not determined by analysis of the Tag path. For example, the Interface Pricing Point assignment for Tags utilizing Grandfathered Transmission Service (service predating FERC Order 888) may not align with PJM's standard methodology. In these cases, the market participant will be issued a Tag special exception token that PJM will use to override the standard pricing determination.



## Appendix A: BA to Interface Pricing Point Mapping

Acronym	Balancing Authority	Pricing Assignment
AEC	PowerSouth Electric Cooperative, Inc.	SOUTHIMP/SOUTHEXP
AECI	Associated Electric Cooperative, Inc.	SOUTHIMP/SOUTHEXP
AESO	Alberta Electric System Operator	NORTHWEST
ALTE	Alliant Energy Corporate Services, Inc.	NORTHWEST
ALTW	Alliant Energy Corporate Services, Inc.	NORTHWEST
AMIL	Ameren Transmission Illinois	SOUTHIMP/SOUTHEXP
AMMO	Ameren Transmission	SOUTHIMP/SOUTHEXP
AMRN	Ameren Transmission	SOUTHIMP/SOUTHEXP
AVA	Avista Corp.	NORTHWEST
AZPS	Arizona Public Service Company	NORTHWEST
BANC	Balancing Authority of Northern California	NORTHWEST
BCHA	BC Hydro T & D - Grid Operations	NORTHWEST
BPAT	Bonneville Power Administration Transmission	NORTHWEST
BREC	Big Rivers Electric Corporation	SOUTHIMP/SOUTHEXP
CFE	Comision Federal de Electricidad	NORTHWEST
CHPD	Chelan County PUD	NORTHWEST
CIN	Duke Energy Indiana	SOUTHIMP/SOUTHEXP
CISO	California Independent System Operator (CAISO)	NORTHWEST
CLEC	Cleco Power LLC	SOUTHIMP/SOUTHEXP
CONS	Michigan Electric Coordinated System	MISO
CPLE	Carolina Power & Light East Control Area	CPLEIMP/CPLEEXP
CPLW	Carolina Power & Light West Control Area	SOUTHIMP/SOUTHEXP
CSTO	Constellation Energy Control and Dispatch (CSTO)	NORTHWEST
CWAY	Louisiana Generating, LLC - City of Conway, AR	SOUTHIMP/SOUTHEXP
CWLD	Columbia Water & Light	SOUTHIMP/SOUTHEXP
CWLP	City Water Light & Power	SOUTHIMP/SOUTHEXP
DEAA	Dynegy Arlington Valley	NORTHWEST
DECO	Michigan Electric Coordinated System	MISO
DOPD	P.U.D. No. 1 of Douglas County	NORTHWEST
DPC	Dairyland Power Cooperative	NORTHWEST
DUK	Duke Energy Carolinas, LLC (Transmission)	DUKIMP/DUKEXP
EAI	Entergy Arkansas, Inc.	SOUTHIMP/SOUTHEXP
EEI	Electric Energy, Inc.	SOUTHIMP/SOUTHEXP
EES	Entergy Services, Inc.	SOUTHIMP/SOUTHEXP
EPE	El Paso Electric	NORTHWEST
ERCO	ERCOT ISO	SOUTHIMP/SOUTHEXP
FMPP	Florida Municipal Power Pool	SOUTHIMP/SOUTHEXP
FPC	Florida Power Corporation	SOUTHIMP/SOUTHEXP
FPL	Florida Power & Light	SOUTHIMP/SOUTHEXP
GCPD	PUD No.2 of Grant County	NORTHWEST
GRDA	Grand River Dam Authority	SOUTHIMP/SOUTHEXP
GRE	Great River Energy	NORTHWEST
GREC	Great River Energy	NORTHWEST
GREN	Great River Energy	NORTHWEST
GRES	Great River Energy	NORTHWEST
GRIF	Griffith Energy, LLC.	NORTHWEST
GRMA	Gila River Power, LP	NORTHWEST



Acronym	Balancing Authority	Pricing Assignment
GVL	Gainesville Regional Utilities	SOUTHIMP/SOUTHEXP
GWA	NaturEner Glacier Wind Energy 1, LLC	NORTHWEST
HE	Hoosier Energy	SOUTHIMP/SOUTHEXP
HGMA	Harquahala Generating Facility	NORTHWEST
HQT	Hydro-Quebec TransEnergie	NYIS
HST	City of Homestead	SOUTHIMP/SOUTHEXP
IID	Imperial Irrigation District	NORTHWEST
INDN	City of Independence P&L Dept.	SOUTHIMP/SOUTHEXP
IPCO	Idaho Power Company	NORTHWEST
IPL	Indianapolis Power & Light Company	SOUTHIMP/SOUTHEXP
ISNE	ISO New England Inc.	NYIS
JEA	JEA	SOUTHIMP/SOUTHEXP
KACY	Board of Public Utilities	SOUTHIMP/SOUTHEXP
KCPL	Kansas City Power & Light, Co	SOUTHIMP/SOUTHEXP
LAFA	Lafayette Utilities System	SOUTHIMP/SOUTHEXP
LAGN	Louisiana Generating, LLC	SOUTHIMP/SOUTHEXP
LDWP	Los Angeles Department of Water and Power	NORTHWEST
LEPA	Louisiana Energy & Power Authority	SOUTHIMP/SOUTHEXP
LES	Lincoln Electric System	NORTHWEST
LGEE	LGE and KU Energy LLC	SOUTHIMP/SOUTHEXP
MDU	Montana-Dakota Utilities Co.	NORTHWEST
MEC	MidAmerican Energy Control Area	NORTHWEST
MECS	Michigan Electric Coordinated System	MISO
MGE	Madison Gas and Electric Company	NORTHWEST
MHEB	MHEB, Transmission Services	NORTHWEST
MISO	Midwest ISO	MISO
MP	Minnesota Power, Inc.	NORTHWEST
MPS	KCP&L Greater Missouri Operations	SOUTHIMP/SOUTHEXP
MPW	Muscatine Power and Water	NORTHWEST
NBSO	New Brunswick System Operator	NYIS
NEVP	Nevada Power Company	NORTHWEST
NHC1	New Horizons Electric Cooperative	SOUTHIMP/SOUTHEXP
NIPS	Northern Indiana Public Service Company	NIPSCO
NLR	Louisiana Generating, LLC - City of North Little Rock, AR	SOUTHIMP/SOUTHEXP
NSB	Utilities Commission, City of New Smyrna Beach	SOUTHIMP/SOUTHEXP
NSP	Northern States Power Company	NORTHWEST
NSSO	Nova Scotia Power System Operator	NYIS
NWMT	NorthWestern Energy	NORTHWEST
NYIS	New York Independent System Operator	NYIS
ONT	Ontario - Independent Electricity System Operator	IMO
OPPD	OPPD CA/TP	NORTHWEST
OTP	Otter Tail Power Company	NORTHWEST
OVEC	Ohio Valley Electric Corporation Control Area	OVEC
PACE	PacifiCorp-East	NORTHWEST
PACW	PacifiCorp-West	NORTHWEST
PGE	Portland General Electric	NORTHWEST
PJM	PJM Interconnection	PJM



Acronym	Balancing Authority	Pricing Assignment
PNM	Public Service Company of New Mexico	NORTHWEST
PSCO	Public Service Company of Colorado CA&TP	NORTHWEST
PSEI	Puget Sound Energy Transmission	NORTHWEST
SC	Santee Cooper	SOUTHIMP/SOUTHEXP
SCEG	South Carolina Electric & Gas Company	SOUTHIMP/SOUTHEXP
SCL	Seattle City Light	NORTHWEST
SEC	Seminole Electric Cooperative	SOUTHIMP/SOUTHEXP
SECI	Sunflower Electric Power Corporation	SOUTHIMP/SOUTHEXP
SEHA	Southeastern Power Administration	SOUTHIMP/SOUTHEXP
SERU	Southeastern Power Administration	SOUTHIMP/SOUTHEXP
SETH	Southeastern Power Administration	SOUTHIMP/SOUTHEXP
SIGE	Vectren - Southern Indiana Gas & Electric Co.	SOUTHIMP/SOUTHEXP
SIPC	Southern Illinois Power Cooperative	SOUTHIMP/SOUTHEXP
SME	South Mississippi Electric Power Association	SOUTHIMP/SOUTHEXP
SMEE	South Mississippi Electric Power Association	SOUTHIMP/SOUTHEXP
SMP	Southern Minnesota Municipal Power Agency	NORTHWEST
SOCO	Southern Company Services, Inc.	SOUTHIMP/SOUTHEXP
SPA	Southwestern Power Administration	SOUTHIMP/SOUTHEXP
SPC	SaskPower Grid Control Centre	NORTHWEST
SPRM	City Utilities of Springfield	SOUTHIMP/SOUTHEXP
SRP	Salt River Project	NORTHWEST
SWPP	Southwest Power Pool	SOUTHIMP/SOUTHEXP
TAL	City of Tallahassee	SOUTHIMP/SOUTHEXP
TEC	Tampa Electric Company	SOUTHIMP/SOUTHEXP
TEPC	Tucson Electric Power Company	SOUTHIMP/SOUTHEXP
TIDC	Turlock Irrigation District	NORTHWEST
TPWR	Tacoma Power, T&D	NORTHWEST
TVA	Tennessee Valley Authority ESO	SOUTHIMP/SOUTHEXP
UPPC	Upper Peninsula Power Co.	NORTHWEST
WACM	Western Area Power Administration - CM	NORTHWEST
WALC	Western Area Power Administration-DSW	NORTHWEST
WAUE	Western Area Power Administration - UGPR	SOUTHIMP/SOUTHEXP
WAUW	Western Area Power Administration - UGPR	NORTHWEST
WEC	Wisconsin Energy Corporation	NORTHWEST
WFEC	Western Farmers Electric Cooperative	SOUTHIMP/SOUTHEXP
WMU	Louisiana Generating, LLC - City of West Memphis, AR	SOUTHIMP/SOUTHEXP
WPS	Wisconsin Public Service Corporation	NORTHWEST
WWA	NaturEner Wind Watch, LLC	NORTHWEST
YAD	APGI - Yadkin	SOUTHIMP/SOUTHEXP