



Joint and Common Market

MISO/PJM GI COORDINATION PROGRESS UPDATE



OUTLINE

- **Summary of Coordinated Projects to Date**
 - **Coordinated MISO Projects (38 Projects)**
 - DPP August 2012
 - DPP February 2013
 - **Coordinated PJM Project (49 Projects)**
 - Signed Facility Study Agreement November 2012
 - Signed Facility Study Agreement May 2013
- **BPM Progress Update**
- **Next Steps**

BPM PROGRESS UPDATE

MISO

- **Proposed Generator Interconnection BPM Language has been reviewed by Interconnection Process Task Force (IPTF) and Planning Advisory Committee (PAC)**
 - **Currently Undergoing additional round of comments and review**
 - **Expect to vote and adopt new BPM by End of Year**

PJM

- **Proposed language provided to Planning Committee and Markets & Reliability Committee**
 - **Intend to vote on existing language in November**
 - **Will work to coordinate drafting of additional language needed to address comments from MISO stakeholder process**

NEXT STEPS IN GI COORDINATION

- **Finalize BPM Language**
- **Coordinate Projects for upcoming study cycles**

Questions?



GI Studies Contact
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APPENDIX

COORDINATED MISO PROJECTS – DPP AUGUST 2012

MISO Project	Point of Interconnection	Max Summer Output	Fuel Type	Status	Impacts
G681	Walters - Albert Lea 69 kV	44	Wind	Completed	No
G735	Lime Creek Substation	200	Wind	Completed	Yes
G798	ITC Midwest Fernald 115kV Substation	150	Wind	Completed	Yes
G826	Xcel Lakefield Generation SW - Lakefield Junction 345kV	200	Wind	Completed	Yes
G830	GRE McHenry substation	99	Wind	Completed	No
G870	Hayward - Winnebago 161 kV	201	Wind	Completed	Yes
G947	ITCM Whispering Wilows 161kV Substation	99	Wind	Completed	Yes
H008	ITC Midwest Richfield 69 kV Substation	36	Wind	Completed	No
H009	ITC Midwest Traer - Marshalltown 161 kV	150	Wind	Completed	Yes

COORDINATED MISO PROJECTS – DPP AUGUST 2012

MISO Project	Point of Interconnection	Max Summer Output	Fuel Type	Status	Impacts
H021	Wellsburg 115kV Substation	138.6	Wind	Completed	Yes
H048	Xcel Paynesville 69 kV Substation	50	Wind	Completed	No
H058	Xcel Paynesville 69kV Substation	45	Wind	Completed	No
H081	Brookings County - Lyon County 345kV	201	Wind	Completed	Yes
H096	Grand Junction - Perry 161 kV	50	Wind	Completed	No
J026	Adams 161 kV Substation	50	Wind	Completed	No
J091	ITCM Lime Creek 161 kV Substation	66	Wind	Completed	No
J092	Scranton substation	20	Wind	Completed	No
J097	ITC Midwest Denmark - Newport 161kV	200	Wind	Completed	Yes
J112	DPC Utica - Lewiston 69 kV	4.95	Wind	Completed	No

COORDINATED MISO PROJECTS – DPP AUGUST 2012

MISO Project	Point of Interconnection	Max Summer Output	Fuel Type	Status	Impacts
J182	Pleasant Valley Substation	150	Wind	Completed	Yes
J183	Split Rock Substation	200	Wind	Completed	Yes
J191	Rolling Hills 345 kV Substation	101.2	Wind	Completed	Yes
J196	Vermillion 138 kV Substation	50	Wind	Completed	No
J200	RM Heskett Station 115 kV & 41.6 kV	75	Gas	Completed	No
J215	Stillwell 345kV Substation	670	Gas	Completed	No
J232	Baldwin Station	35	Coal	Completed	No
J238	Pritchard 138kV Substation	725	Gas	Completed	Yes
R42	Lehigh 345 kV Substation	250	Wind	Completed	Yes
R49	Pomeroy Generating station	12	Wind	Completed	No
R65	R34 Expansion	92	Wind	Completed	No

COORDINATED MISO PROJECTS – DPP FEBRUARY 2013

MISO Project	Point of Interconnection	Max Summer Output	Fuel Type	Status	Impacts
J118	Drager – Grand Junction 161 kV	50	Wind	Completed	No
G858	Black Oak 69 kV sub	38	Wind	Completed	No
H071	Black Oak 69 kV sub	40	Wind	Completed	No
J262	Jamestown 345/115 kV sub	100	Wind	Completed	No
J263	Jamestown 345/115 kV sub	100	Wind	Completed	No
J054	Kokomo-Noblesville 230kV	197.6	Wind	Completed	No
J239	Meredosia 138kV Sub	200	Coal	Completed	No
J256	Plymouth 69kV Sub	8	Biogas	Completed	No

COORDINATED PJM PROJECTS – NOV 2012

PJM Queue #	Project Name	Max Summer Output (MW)	Fuel Type	Status	Impacts to MISO
Q39	Kewanee 138kV	105	Wind	Completed	Yes
Q57	Steward-Waterman 138kV	240	Wind	Completed	No
R16	Lena 138kV	126	Wind	Completed	Yes
R30	Pontiac Mid-Point 345kV	500	Wind	Completed	Yes
R33	Nelson 345kV	600	Natural Gas	Completed	No
R35	Robbins 138kV	50	Biomass	Completed	Yes
R79	Tazewell-Kendall 345kV	300	Wind	Completed	Yes
S27	Blue Mound I	198	Wind	Completed	No
S28	Blue Mound II	198	Wind	Completed	No
S36	Kankakee 138kV	175	Wind	Completed	Yes
S37	Kankakee 138kV	175	Wind	Completed	Yes
S55	Zion 345kV	780	Natural Gas	Completed	No
S62	LaSalle-Braidwood 345kV	500	Wind	Completed	Yes
U1-054	Calumet	327	Natural Gas	Completed	No
U3-031	Lincoln Generating Facility	616	Natural Gas	Completed	No
U4-033	University Park North	540	Natural Gas	Completed	No

COORDINATED PJM PROJECTS – MAY 2013

PJM Queue #	Project Name	Max Summer Output (MW)	Fuel Type	Status	Impacts to MISO
S73	Lincoln – North Delphos 138kV	200	Wind	Completed	No
T130	Convoy – East Lima 345kV	300	Wind	Completed	No
T131	Lincoln – Sterling 138kV	150	Wind	Completed	No
T142	Southwest Lima – Marysville 345kV	300	Wind	Completed	No
T143	Hennepin 138kV	250	Wind	Ongoing	TBD
T148	Caledonia Wind II 100 MW	100	Wind	Ongoing	TBD
T99	Caledonia Wind 100 MW	100	Wind	Ongoing	TBD
U1-049	Kankakee #4 138kV	100	Wind	Ongoing	TBD
U2-028A_AT1	Ironville 138kV	135	Other	Completed	No
U2-072	East Lima – Marysville 345kV	300	Wind	Completed	No
U3-021	Silver Lake – Cherry Valley 345kV	100	Natural Gas	Ongoing	TBD

COORDINATED PJM PROJECTS – MAY 2013

PJM Queue #	Project Name	Max Summer Output (MW)	Fuel Type	Status	Impacts to MISO
U4-027	Normandy-Kewanee 138kV	100	Natural Gas	Ongoing	TBD
V1-011	Haviland 138kV	100	Wind	Completed	No
V1-012	Haviland 138kV	150	Wind	Completed	No
V2-006	East Leipsic 138kV	150	Wind	Completed	No
V2-042A_AT2	Galion 138kV	200	Wind	Completed	No
V3-007	Desoto-Tanners Creek #1 345kV	200	Wind	Completed	No
V3-008	Desoto-Tanners Creek #1 345kV	200	Wind	Completed	No
V3-009	Desoto-Tanners Creek #1 345kV	200	Wind	Completed	No
V3-053	Desoto 138kV	150	Wind	Completed	No
V4-010	Tiffin Center 138kV	200	Wind	Completed	No
V4-015	Fostoria Central 138kV	66.6	Wind	Completed	No
V4-016	Valley 138kV	200	Wind	Completed	No
W1-070A_AT4	Ashtabula 138kV	50	Wind	Completed	No
W1-072A_AT5	Lemoyne 345kV	40	Natural Gas	Completed	No
W2-001	Fostoria Central 138kV	66.6	Wind	Completed	No
W3-059A_At6	Avery – Greenfield 138kV	99	Wind	Completed	No

COORDINATED PJM PROJECTS – MAY 2013

PJM Queue #	Project Name	Max Summer Output (MW)	Fuel Type	Status	Impacts to MISO
W3-088	South West Lima 345kV	200	Wind	Completed	No
W3-128	Sporn – Waterford 345kV	652	Natural Gas	Completed	No
W3-170	Buckskin 69kV	12	solar	Completed	No
X1-027A_AT12	Davis Besse – Beaver 345kV	500	Wind	Completed	No
Y1-006	Jubal Early – Austinville 138kV	72	Wind	Completed	No
Y2-067	Clinch River	12	Coal	Completed	No