



Tuesday, September 16, 2008

**FPL ENERGY ASHTABULA WIND, LLC  
LIVERNE, NORTH DAKOTA**

**SUBSTATION & TRANSMISSION LINE  
Plan of the Day (POD)**

**Weather Forecast: Sunny**  
**High: 80°F Low: 47°F**  
**Winds: SW @ 6 mph**  
**Precipitation Chances: 0%**

**FPL Energy**

**Otter Tail Power Company**

**MJ Electric**

**Substation**

- 3" & 5" East yard
- Install hook stick switches
- Pull wire / terminate
- Above ground grounding

**Lay-down Yard**

**Electrical Construction**

- Pulling bottom conductor and OPGW conductor between #78 & #32

**Miscellaneous**

*RECEIVING (As of COB yesterday)*

Substation Materials	Total	Rec'd	Balance
Power Transformer 241.5 kV/225 MVA	1	1	0
Power Transformer 69kV/125MVA (Lease)	1	1	0
HV Motor Disconnect Switch - 230kV 1200A	2	2	0
HV Manual Disconnect Switch 230kV 1200A	3	3	0
LV Manual Disconnect Switch 34.5kV 2000A	4	4	0
LV Manual Disconnect Switch 34.5kV 4000A	1	1	0
LV Manual Disconnect Switch 34.5kV 1200A	10	10	0
LV Hook Disconnect Switch 34.5kV 1200A	60	60	0
HV Circuit Breaker 230kV 1200A	2	2	0
LV Open Air Breaker 34.5 kV 2000A 40 kA	2	2	0
LV Open Air Breaker 34.5 kV 1200A 40 kA	10	10	0
Switchgear with Building	1	1	0
Control House	1	1	0
HV CCVTs 230kV	3	3	0
HV CCVTs 69kV	3	3	0
Metering Units	1	0	1
Metering Units CT	3	0	3
Metering Units PT	3	0	3
Support Steel and Substation Package	1 Lot	1	0
Neutral Reactor	1	1	0
SUBSTATION CONSTRUCTION			% Complete
Galvanized Steel Structures			100%
Rigid Bus System (FT)			65%
Flexible Bus Jumper			0%
Insulators			100%
Disconnect Switches			25%
Surge Protectors			75%
Circuit Breakers			96%
CCVTs, Metering CTs and PTs			33%
Conduit - Below Grade			100%
Conduit - Above Grade			96%
Cable Trenwa System			100%
Equipment Cable Installation (# of runs)			62%
Equipment Cable Termination			26%
Conduit, Ground Bank, Fiber Enc., UG Cable, St Svc, Xfmr			80%

**Interconnect Transmission Line**

T-LINE CONSTRUCTION	Complete	Balance	% Complete
Tangent (laminated) foundations excavated	74	0	100%
Tangent (laminated) structures framed	74	0	100%
Tangent (laminated) structures set	74	0	100%
Dead-end/angle foundations excavated	14	0	100%
Dead-end/angle foundations poured	14	0	100%
Dead-end/angle (steel) structures framed	14	0	100%
Dead-end/angle (steel) structures set	14	0	100%
Spans of 1272 Bittum conductor strung	215	52	81%
Spans of 1272 Bittum sagged and clipped	120	147	45%
Spans of OPGW strung, attached and grounded	30	59	34%
OPGW splices/terminations completed	0	4	0%
Miles of distribution line leaned	6	0	100%
Miles of distribution line dismantled & removed	5.8	0.2	97%
Foundation excavation spoils disposed	88	0	100%
Reclamation	0	100%	0%



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Ashtabula Wind, Substation, Plan of the Day, Sept. 16, 2008

Ashtabula Wind, LLC