



Thursday, August 21, 2008

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

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

**Weather Forecast: Partly Sunny**  
**High: 87°F Low: 58°F**  
**Winds: S @ 16 mph**  
**Precipitation Chances: 2%**

FPL Energy	Otter Tail Power Company	MJ Electric
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**Substation**

- Steel on East end of yard
- Assemble & install insulators for all A19's
- Conduit out South side of control house & tie in West runs
- Ground whips on steel West end
- Pour broken pier
- Midwest testing

**Lay-down Yard**

**Electrical Construction**

- Setting structures 39
- Installing grds 86-89
- Installing temp. poles @ 12 & 13
- Pulling rope at structures 4 - 32

**Miscellaneous**

- Longfellow working at structure 66

<i>RECEIVING (As of COB yesterday)</i>			
Substation Materials	Total	Rec'd	Balance
Power Transformer 241.5 kV/225 MVA	1	0	1
Power Transformer 69kV/125MVA (Lease)	1	0	1
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	7	3
Switchgear with Building	1	0	1
Control House	1	0	1
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			0%
Bus Conductors, Fittings, Insulators & Associated Materials			0%
Disconnect Switches			0%
Surge Protectors			0%
Circuit Breakers			0%
CCVTs, Metering CTs and PTs			0%
Equipment Control Cable, Conduit, Power Cable & 300' of Cable Trenwa System			0%
Conduit, Ground Bank, Fiber Enc., UG Cable, St Srv, Xfmr			25%
Crushed Rock Surfacing			0%
Grounding			40%
Station Lighting			0%
Sub Signage and Fence			0%
Foundations			100%
Testing			0%

**Interconnect Transmission Line**

T-LINE CONSTRUCTION	Complete	Balance	% Complete
Tangent (laminated) foundations excavated	74	0	100%
Tangent (laminated) structures framed	74	1	100%
Tangent (laminated) structures set	73	1	99%
Dead-end/angle foundations excavated	12	2	86%
Dead-end/angle foundations poured	12	2	86%
Dead-end/angle (steel) structures framed	6	8	43%
Dead-end/angle (steel) structures set	6	8	43%
Spans of 1272 Bitterm conductor strung	9	258	3%
Spans of 1272 Bitterm sagged and clipped	3	264	1%
Spans of OPGW strung, attached and grounded	0	89	0%
OPGW splices/terminations completed	0	4	0%
Miles of distribution line leaned	6	0	100%
Miles of distribution line dismantled & removed	0	6	0%
Foundation excavation spoils disposed	46	56	52%
Reclamation	0	100%	0%



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 Ashtabula Wind, Substation, Plan of the Day, Aug. 21, 2008

Ashtabula Wind, LLC