



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

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

**Weather Forecast: Cloudy
High: 70°F Low: 48°F
Winds: NNE @ 6 mph
Precipitation Chances: 33%**

Thursday, September 11, 2008

FPL Energy	Otter Tail Power Company	MJ Electric	
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Substation

- **Pumping water to dry up yard**
- **Hanging insulators**
- **Hookup Switches**

Lay-down Yard

Electrical Construction

- **Installing blocks & rope**

Miscellaneous

- **Guard structures**

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)			25%
Flexible Bus Jumper			0%
Insulators			83%
Disconnect Switches			25%
Surge Protectors			75%
Circuit Breakers			86%
CCVTs, Metering CTs and PTs			33%
Conduit - Below Grade			100%
Conduit - Above Grade			92%
Cable Trenwa System			100%
Equipment Cable Installation (# of runs)			19%
Equipment Cable Termination			0%
Conduit, Ground Bank, Fiber Enc., UG Cable, St Srvc, Xfmr			75%
Crushed Rock Surfacing			0%
Grounding - Below Grade			80%
Grounding - Above Grade			0%
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	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	12	2	86%
Dead-end/angle (steel) structures set	12	2	86%
Spans of 1272 Bitterm conductor strung	123	144	46%
Spans of 1272 Bitterm 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%



Plan of the Day contents shall not be forwarded or distributed without prior written consent of FPLE

167 PU-08-32 Filed: 9/11/2008 Pages: 1
 Ashtabula Wind, Substation, Plan of the Day, Sept.
 11, 2008
 Ashtabula Wind, LLC