



Friday, September 12, 2008

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

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

Weather Forecast: **Sunny**  
High: **77°F** Low: **50°F**  
Winds: **SW @ 4 mph**  
Precipitation Chances: **0%**

FPL Energy	Otter Tail Power Company	MJ Electric		
<b>Substation</b>	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
	<b>SUBSTATION CONSTRUCTION</b>			<b>% Complete</b>
	Galvanized Steel Structures			100%
	Rigid Bus System (FT)			25%
	Flexible Bus Jumper			0%
	Insulators			83%
	Disconnect Switches			25%
	Surge Protectors			75%
	Circuit Breakers			86%
	CCVT's, Metering CT's and PT's			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%

**Substation**

- Install Buss East yard
- 34.5 above ground conduit, cable pulls in East yard
- Terminate 230 breaker

**Lay-down Yard**

**Electrical Construction**

**Miscellaneous**

**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	123	144	46%
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%

