



FPL ENERGY HTABULA WIND, LLC
LUVERNE, NORTH DAKOTA

SUBSTATION & TRANSMISSION LINE
Plan of the Day (POD)

Weather Forecast: **Partly Sunny**
High: 68°F Low: 44°F
Winds: WSW @ 2 mph
Precipitation Chances: 0%

Wednesday, September 3, 2008

FPL Energy	Otter Tail Power Company	MJ Electric
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Substation

- **Install insulators on South East yard – Bus work from West to East**
- **Switch gear work**
- **Install 34.5 circuit breakers**
- **Install control house feeder to West**
- **Above grade conduit & cabinets**

Lay-down Yard

Electrical Construction

- **Clip & sag at structure 4 -32**

Miscellaneous

<i>RECEIVING (As of COB yesterday)</i>			
Substation Materials	Total	Rec'd	Balance
Power Transformer 241.5 kV/225 MVA	1	1	0
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	10	0
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			85%
Bus Conductors, Fittings, Insulators & Associated Materials			0%
Disconnect Switches			6%
Surge Protectors			0%
Circuit Breakers			0%
CCVT's, Metering CT's and PT's			0%
Equipment Control Cable, Conduit, Power Cable & 300' of Cable Trenwa System			0%
Conduit, Ground Bank, Fiber Enc., UG Cable, St Srv, Xfmr			92%
Crushed Rock Surfacing			0%
Grounding			25%
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	10	4	71%
Dead-end/angle (steel) structures set	10	4	71%
Spans of 1272 Bitem conductor strung	93	258	35%
Spans of 1272 Bitem 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	5	1	83%
Foundation excavation spoils disposed	88	0	100%
Reclamation	0	100%	0%



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 Ashtabula Wind, Substation, Plan of the Day, Sept. 3, 2008
 Ashtabula Wind, LLC
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