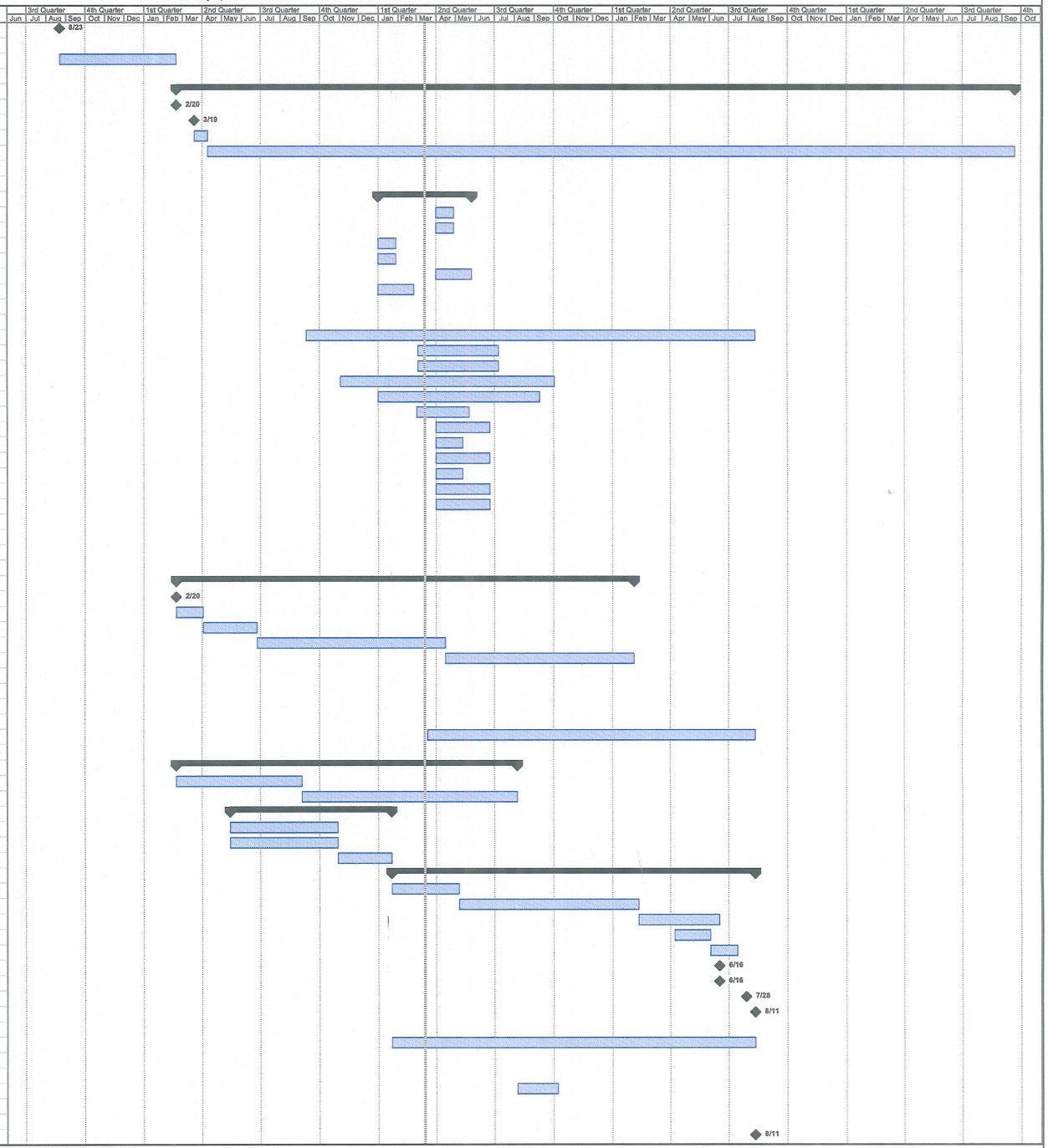
APPENDIX E
PROJECT SCHEDULE

New Ulm Wind Energy Project
Preliminary Implementation Schedule

ID	Task Name	Duration	Start	Finish	Predecessors
1	**Go / No-Go Decision**	0 days	Thu 8/23/07	Thu 8/23/07	
2					
3	**Land rights**	130 days	Thu 8/23/07	Wed 2/20/08	1
4					
5	**MET Tower Data Collection & Study**	**935 days**	**Wed 2/20/08**	**Wed 9/21/11**	3
6	MET Tower Procurement Complete	0 days	Wed 2/20/08	Wed 2/20/08	
7	Nicollett County Permit Approval for Tower	0 days	Wed 3/19/08	Wed 3/19/08	3FF+20 days
8	MET Tower Installation	15 days	Thu 3/20/08	Wed 4/9/08	7
9	MET Tower Data Collection	900 days	Thu 4/10/08	Wed 9/21/11	8
10					
11					
12	**Studies**	**104 days**	**Thu 1/1/09**	**Tue 5/26/09**	
13	Avian & Bat Study	20 days	Wed 4/1/09	Tue 4/28/09	
14	Phase I Environmental Study	20 days	Wed 4/1/09	Tue 4/28/09	3
15	Communication/Beam Interference Study	20 days	Thu 1/1/09	Wed 1/28/09	3
16	Noise Emissions Study	20 days	Thu 1/1/09	Wed 1/28/09	3
17	Geotechnical Soil Testing	40 days	Wed 4/1/09	Tue 5/26/09	3
18	Land Survey	40 days	Thu 1/1/09	Wed 2/25/09	1,3
19					
20					
21	**Permits & Approvals**	500 days	Thu 9/11/08	Wed 8/11/10	73FF
22	Federal Aviation Administration - Notice of proposed construction or alteration det	90 days	Wed 3/4/09	Tue 7/7/09	21SS
23	Federal Energy Regulatory Commission - Exempt wholesale generator status anc	90 days	Wed 3/4/09	Tue 7/7/09	21SS
24	Minnesota PUC - LWECS Site Permit	240 days	Mon 11/3/08	Fri 10/2/09	21SS
25	Minnesota PUC - Route Permit	180 days	Thu 1/1/09	Wed 9/9/09	21SS
26	Minnesota PUC - Certificate of Need Determination for LWECS	60 days	Mon 3/2/09	Fri 5/22/09	21SS
27	Minnesota Pollution Control Agency - NPDES Permit: Construction	60 days	Wed 4/1/09	Tue 6/23/09	21SS
28	Minnesota Pollution Control Agency - License for Very-Small Quantity Generator (	30 days	Wed 4/1/09	Tue 5/12/09	21SS
29	Nicollet County - Building Permit	60 days	Wed 4/1/09	Tue 6/23/09	21SS
30	Nicollet County - Individual Septic Tank Permit	30 days	Wed 4/1/09	Tue 5/12/09	21SS
31	Nicollet County - Driveway and Utility Permits	60 days	Wed 4/1/09	Tue 6/23/09	21SS
32	Lafayette Township - Road Access Permit	60 days	Wed 4/1/09	Tue 6/23/09	21SS
33					
34					
35					
36					
37	**MISO application**	**510 days**	**Wed 2/20/08**	**Wed 2/3/10**	3
38	Request Application Form	1 day	Wed 2/20/08	Thu 2/21/08	
39	Return Feasibility Study agreement	30 days	Wed 2/20/08	Wed 4/2/08	
40	Return System Impact Study agreement	60 days	Wed 4/2/08	Wed 6/25/08	39
41	Return Facility Study agreement	210 days	Wed 6/25/08	Wed 4/15/09	40
42	Return Interconnection Agreement	210 days	Wed 4/15/09	Wed 2/3/10	41
43					
44					
45					
46					
47	**Technical support for financing**	365 days	Thu 3/19/09	Wed 8/11/10	1,73FF
48					
52	**Bidding & Contracts**	**380 days**	**Thu 2/21/08**	**Wed 8/5/09**	
53	Turbine Contract	140 days	Thu 2/21/08	Wed 9/3/08	3
54	Turbine Delivery	240 days	Wed 9/3/08	Wed 8/5/09	53
55	**Engineering**	**180 days**	**Thu 5/15/08**	**Wed 1/21/09**	
56	Civil/Structural Engineering	120 days	Thu 5/15/08	Wed 10/29/08	53FF+40 days
57	Electrical Engineering	120 days	Thu 5/15/08	Wed 10/29/08	53FF+40 days
58	GWC Procurement	60 days	Wed 10/29/08	Wed 1/21/09	56,57
59	**Construction**	**405 days**	**Wed 1/21/09**	**Wed 8/11/10**	
60	EPC Engineering of Substation	75 days	Wed 1/21/09	Wed 5/6/09	58
61	Substation Equipment Procurement	200 days	Wed 5/6/09	Wed 2/10/10	60
62	Road, Electrical Collection, Substation Construction	90 days	Wed 2/10/10	Wed 6/16/10	58,61
63	Foundation Construction	40 days	Wed 4/7/10	Wed 6/2/10	60,62SS+40 days
64	Turbine & Tower Construction	30 days	Wed 6/2/10	Wed 7/14/10	63,54
65	Energize Substation	0 days	Wed 6/16/10	Wed 6/16/10	62
66	Energize Collection System	0 days	Wed 6/16/10	Wed 6/16/10	62
67	Substantial Completion	0 days	Wed 7/28/10	Wed 7/28/10	64FF+10 days
68	Commission Turbines	0 days	Wed 8/11/10	Wed 8/11/10	67FF+10 days
69					
70	**Construction Oversight & Support**	405 days	Wed 1/21/09	Wed 8/11/10	59SS
71					
49					
50	**Insurance**	45 days	Wed 8/5/09	Wed 10/7/09	52,3
51					
72					
73	**Commercial Operation**	0 days	Wed 8/11/10	Wed 8/11/10	68



Project: New Ulm Wind Energy Project
Date: Fri 3/13/09

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline