

# SGES TALL TOWER SITE COMMISSIONING FORM



## I. Site Information

Site Number	0705	Project Number	2003-03
Site Name	Elkhorn	Project Name	FOE WIND MONITORING
Site Location	W2732 SR 11, Elkhorn, WI 53121		
Latitude	N42 41.606'	Time Zone	CST
Longitude	W88 26.121	Magnetic Declination	
Datum	NAD27	Prevailing Winds	Westerly
Elevation	1027 ft		
Installation Team Leader	D. Blecker	Installation Crew	Novash, Leinberger
Obstruction(s) to the tower/air flow and distances	Farmstead 500 feet due south. Tall fencerow 1000 feet west. Short fencerow 600 feet east		
Site Description (Topography)	Open farmland. Gently rolling.		
Soil Type	Clay		

## II. Commissioning

Commission Date	12/5/03	Removal Date	
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## III. Host Information

Host	Jim Linsley	Contact Address	
Contact Person			
Phone Number			
Fax Number			
Email Address			

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## IV. Instrumentation

### A. Anemometers (NRG Maximum #40)

	Sensor 1	Sensor 2	Sensor 3	Sensor 4	Sensor 5	Sensor 6
• Serial Number						
• Monitoring Height	164	164	82	33	X	X
• Primary / Redundant	P	R	P	P		
• Mounting Orientation MAG North	W303 (mag)	E112 (mag)	W303	W303		
• Boom Length	43"	43"	43"	43"		
• Mount Above Boom						
• Calibrated by:	NA	NA	NA	NA		
– Calibration Date						
– Slope (mph/Hz)						
– Offset (mph)						
• Logger Terminal #	1	2	3	4		
Comments:						

### B. Wind Vanes (NRG 200P)

	Sensor 1	Sensor 2
• Monitoring Height	164	82
• Mounting Orientation TRUE North	13 deg T	14deg T
• Boom Length	43"	43"
• Mount Above Boom		
• Deadband Orientation (°)	North	North
• Logger Terminal #	7	8
Comments:	Channel 7 failed 7/21/04 before 1 pm.	

### C. Temperature Sensor (NRG 110S)

• Monitoring Height	10	• Slope / Offset (°F)	0.2441/-123.5
• Mounting Orientation	58 deg Mag	• Logger Terminal #	12
Comments:			

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## D. NRG Data Logger

• Logger Type (√)	√ <b>Symphonie Logger</b>		
• Logger Serial Number	30901631 (original) 35263134 installed 2/18/05	• iPack Serial Number	NA
• ESN Number	NA	• Primary Internet Acct.	
• Phone Number	NA	• Password of PIA	
• Phone Company	NA	• Site Internet Acct.	
• SID Number	NA	• Password	
• Home Type	NA	• Average Interval	
• Data Retrieval Method	Manual	• Retrieval Interval	
• Mounting Orientation	East	• Time Update ISP	
Comments:			

## E. Tower Type

• Type	NRG TUT	• Height	50m
• Tower Diameter	6"	• Side Boom Diameter	Std SMB
Comments:			