



WINDSUN ENERGY SYSTEMS

solar & wind power

www.windsunenergysystems.com

A Division of Joe Moore Construction, Inc.

CA Contractor License #B-1 387345

3612 Valley Street

Carlsbad, CA 92008

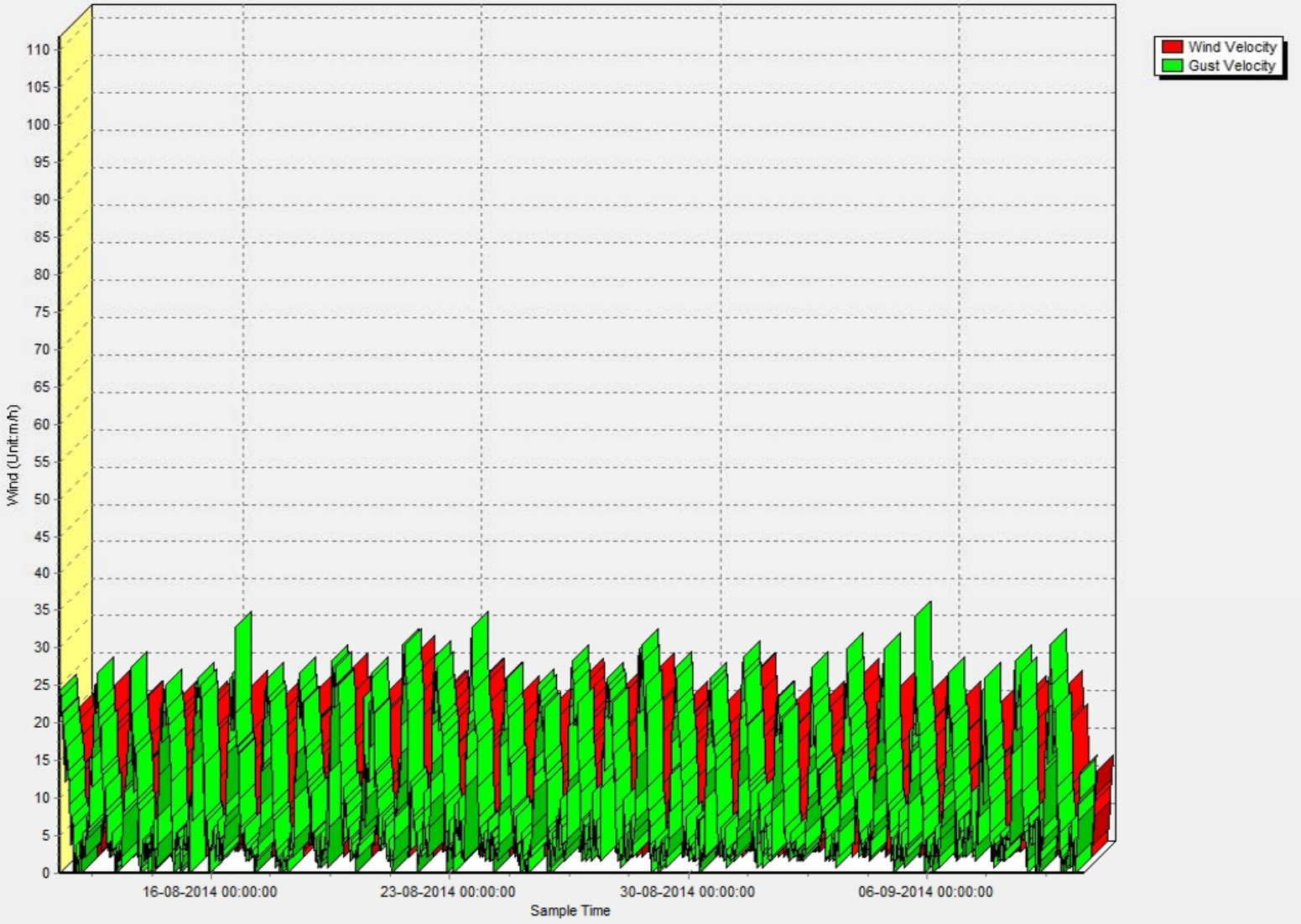
office (760) 434-1203 • fax (760) 720-5257

Customer Wind Data Sheet

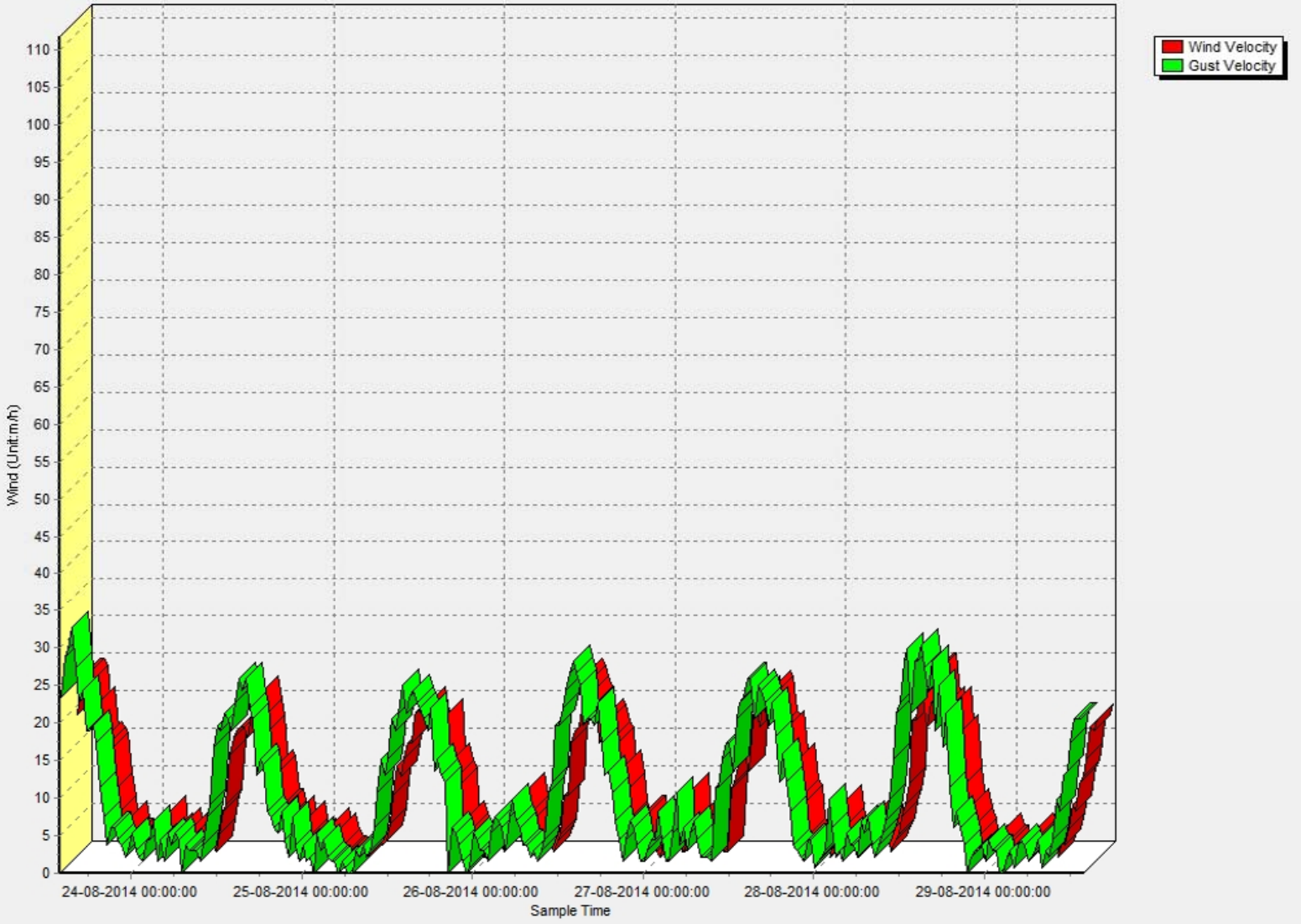
Project:	Alliance Green Builders
Customer Name:	Amy McQuillan & Pete Beauregard
Customer Address:	20391 Rancho Villa Rd. Ramona, CA 92065
Customer Phone Number:	(760) 315-3036 / (760) 519-1243
Estimated Turbine Size Based on Site Review:	VisionAIR 5M
Customer Average Electric Use per Day:	n/a
Site Address:	20391 Rancho Villa Rd. Ramona, CA 92065
Wind Monitor Location: (latitude/longitude or description of monitor location)	33°05' N - 116°53' W Elevation 1690 ft.
Average Wind Speed for Site Zip Code: (based on NREL Website)	3.2 m/s – 7.04 mph
Wind Monitor Data Collection Dates:	8/9/2014 through 9/10/2014
Actual Number of Days Monitored:	33 days
Data Interval Time:	30 min. intervals
Data Inputs per Day:	48 inputs
Average Peak Wind Time:	3:00 pm to 5:00 pm
Average Wind Speed during Monitoring Period:	7.68 mph
Average Gust Speed during Monitoring Period:	9.72 mph
Highest Recorded Wind Speed:	32.7 mph
Average Wind Speed above (8) mph:	15.39 mph
Average Gust Speed above (8) mph:	17.90 mph
Total Hours of Wind above (8) mph Base Wind Speed:	283 total hours
Total Hours of Wind above (8) mph Base Gust Speed:	321 total hours
% of Time Monitored with Average Wind Speed over (8) mph:	37%
% of Time Monitored with Average Gust Speed over (8) mph:	42%
Power Estimate x Average Wind Speed/ Hours = Estimated KWH's for Recorded Time:	275.00 kwh's
Power Estimate x Gust Speed/ Hours = Estimated KWH's for Recorded Time:	295.35 kwh's

These are estimated totals only. Precise wind and power production estimates require (12) month monitoring minimum. This is an averaged estimate for the monitored dates shown above.

Weather--Wind



Weather--Wind



Weather--Wind

