



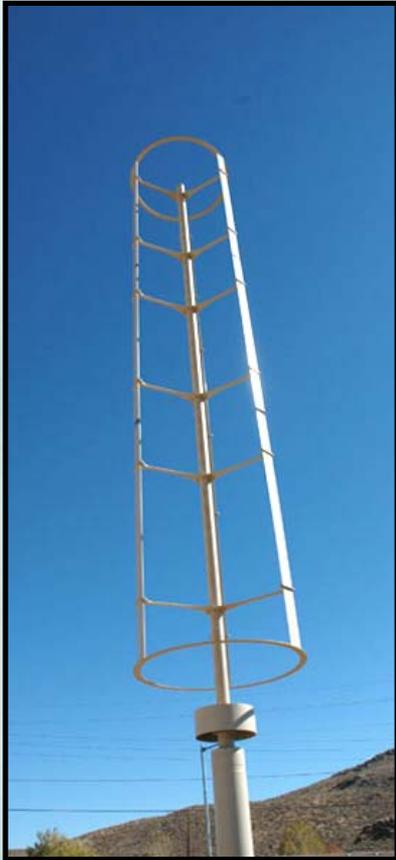
Mariah Power

Introducing the *Windspire™*

Wind to Power

Power to Inspire

Mariah Power provides low-cost, easy to install renewable wind power appliances to residential, business, and government customers.





Funding

- Mariah is seeking \$3-5 million.
\$3M Breakeven 18 months

Use of Funds

- \$500k Set up MFG
- \$1000K Introduce the product
- \$1000K Establish sales channels
- \$500K Introduce additional products



Management Team

- **Mike Hess, Founder, CEO**
 - ❑ Serial Entrepreneur, Co-founded 6 companies
 - ❑ Senior Management Raychem, Spectra Physics, Measurex

- **Chris Gabrys, PhD, Founder, CTO**
 - ❑ Serial entrepreneur
 - ❑ Over 40 patents or patents pending in the energy field

- **Tracy Twist, VP Marketing**
 - ❑ Created CalPERS \$200M clean tech private equity fund
 - ❑ Worked on California million solar roof project and LEED for homes

- **Mick Hansen, VP Engineering & Manufacturing**
 - ❑ Co-founder of Procera Networks
 - ❑ VP Engineering with strong mechanical engineering skills

- **Bob Holland, VP Sales and Service**
 - ❑ Accomplished leader highly scalable sales, services and customer care programs.
 - ❑ Yahoo, Raynet, Ericsson, Telenova

Renewable Energy Problems

- Solar based, dominated by Photovoltaic (PV)
- Wind focused on large propeller based systems for the 'Farm & Barn' community.
- Both approaches are Expensive
- Tall propellers are unsightly and noisy
- Wind systems have not historically delivered their rated power.
- Energy is currently produced away from consumption requiring expensive transmission and creating bottleneck problems.



Renewable Product Comparison at 1kW System – Mariah is lowest price by far

	Mariah Power Windspire	Propeller Based	Photovoltaic (PV)
Type	Vertical Axis Wind	Horizontal Axis Wind	Solar
Size	30 Ft Tall	57 Ft Tall	105 Sq Ft
Noise	< 40 dB	> 75 dB	None
Safety	Low Speed Simple electronics	High Speed	Chem based
Unit Price	\$3,995	\$6,619	\$5,500
Installation	\$1,000	\$2,552	\$3,000
Total Cost	\$4,995	\$9,171	\$11,174



Life Cost of Electricity Generated

1 kW system, no subsidies

	Mariah	Propeller	PV
Installed Cost	\$4,995	\$9,129	\$11,174
kWh Generated	40,000	40,000	30,680
Cost per kWh	12.4 ¢	22.8 ¢	36.4 ¢

Mariah Power is the first wind company to give a five-year power guarantee as part of its warranty.



Unique Features

- ✓ Aesthetically pleasing
- ✓ Very Quiet
- ✓ Low profile, residential scale
- ✓ Durable steel and aluminum construction
- ✓ Powder coat finish white or custom color
- ✓ 20 year design life
- ✓ Simple installation
- ✓ Extremely low maintenance
- ✓ Safe and low speed

Huge Markets

- According to the DOE there are 43 million lots greater than ½ acre of which 50% will be in class 3 wind in the US .
- International markets are equal in size to the US because of poor power grids in development countries like India, China.
- This is a \$10-15 billion market at the right price point that no one is really addressing.

Traction

- 484 units ordered by Individuals
- 316 units ordered by Corporations
- 700 units ordered by Resellers (1000's face value), 46 reseller, 26 states
- 17 Countries, 44 reseller requests

- **1500** units without marketing or product announcement



Mariah Power Cost in California

\$4995 – Installed Cost of Unit

-\$2500 -- California Grant \$2.50 per watt

\$2495 -- Net Cost to Customer Grant

- Payback is 4.2 years at tier 3 utility rate
- Proposed Federal Tax benefit is \$3,000!!!!!!!!!!

- Requirements:
 - ❑ Must be certified unit
 - ❑ Must track production
 - ❑ Requires a five year warranty
 - ❑ Must be privately owned
 - ❑ Must be professionally installed for full rebate



Sales - Attack the Market

To drive volume and lower manufacturing cost even more

➤ Mariah Power

- ❑ Low Cost Producer - \$1/watt
- ❑ Easy to Install, Appliance Based

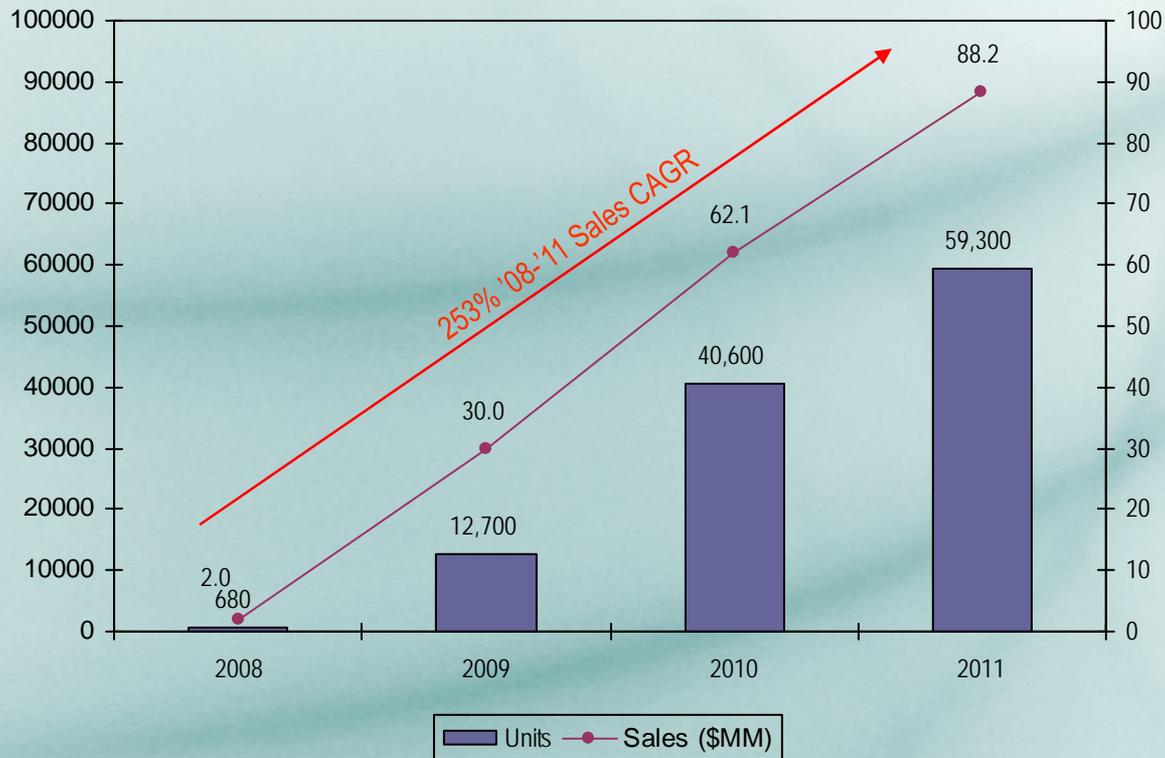
➤ Partner with

- | | |
|--------------------|--|
| ❑ PV resellers | Dual product |
| ❑ Wind Resellers | Low cost product |
| ❑ International | China, India, Australia, SA |
| ❑ Big box retailer | Lowes, Home Depot |
| ❑ Products | Lighting, Grow lighting
Agriculture |

Intellectual Property

- Four pending patents; Four to be filed
 - ❑ Rotor construction
 - Low Cost Construction.
 - High Aspect Ratio.
 - Hinged monopole
 - ❑ Inverter
 - More efficient energy conversion.
 - ❑ Battery Charger
- Two issued patents
 - ❑ Generators Cog-free, high efficiency 98%, low speed.
 - ❑ Small Wind System Turbine

Projected Sales



Financials

	2007	2008	2009	2010	2011
Units	10	680	12,700	40,600	59,300
Sales (\$MM)		2.0	30.0	62.1	88.2
GM (%)		15%	61%	61%	60%
Net Inc. (%)			16.4%	16.9%	16.6%
Cash (\$MM)	0.0	1.2	9.4	29.0	58.8

Windspire™



- Slow speed, TSR = 2.5
- >1.2 kW at 11 m/sec
- >2000 kWh in 13 mph average, (Class 3)
- Integrated product with complete installation kit, (everything but the concrete)



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