

**SKYSTREAM** 3.7<sup>®</sup>

1.9 KW RESIDENTIAL POWER APPLIANCE

Produce electricity  
in your own backyard.



MADE IN THE **USA**

WIND POWER FOR  
THE REST OF US



There's a great big electricity source up in the sky. Wind. It's free, non-polluting, and endless. But until now only a few could tap into it.

## Now You Have the Power to Choose

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Introducing Skystream 3.7® – a new generation Residential Power Appliance that hooks up to your home to help you reduce or eliminate your monthly electricity costs. It's the first compact, user-friendly, all-inclusive wind generator (with controls and inverter built in) designed to provide quiet, clean electricity in very low winds.

With Skystream, homeowners and small business owners now have the power to choose their electricity source.

*I thought we needed to take advantage of the wind. If it's there, we should capture it and use it. Then you came out with Skystream. It is the perfect solution, the perfect blend of features for the average homeowner. I couldn't be happier with it.*

–Rena Wilson Jones, Urbana, IL

## The iPod® of Wind Power

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That's how a leading publication describes Skystream. Developed in collaboration with the U.S. Department of Energy's National Renewable Energy Laboratory, Skystream was designed from the start for homeowners looking for a quiet, convenient, affordable way to protect themselves from ever increasing electricity costs.

How it works is simple. With no batteries\*, Skystream connects directly to your home. When the wind is blowing, your home is powered (in part) by Skystream; when it's not, your home is seamlessly powered by your utility as usual. During periods of strong winds, Skystream can actually produce excess electricity. Depending on your utility, your meter will spin backwards—giving you credit for a later date.

\*Battery charging for home energy back-up systems is also available.

iPod is a registered trademark of Apple Computer, Inc. Unlike the iPod, the Skystream is very quiet.




## Graceful, Yet Powerful

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With a rated capacity of 1.9 kW, Skystream can provide anywhere from 40%-100%\* of a household or small business's total energy needs. Its sleek, distinctive swept-wing blades and elegant form make Skystream an attractive addition to any home. With a guyless tower, Skystream blends in like a neighborhood street lamp. And because it operates at a low RPM, Skystream is as quiet as the trees blowing in the wind.

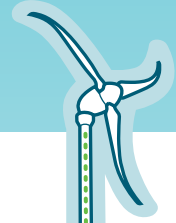
\*Actual savings is based on windspeed at the site and monthly energy consumption.



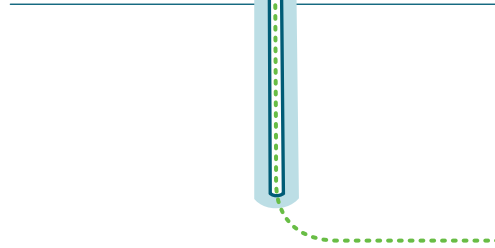
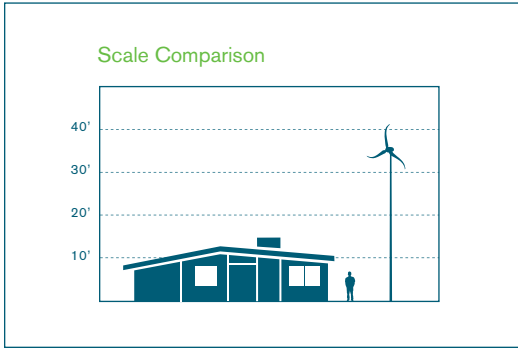
Optional remote monitoring of Skystream performance data is available.

Advanced blade and vibration technology assures your Skystream always produces energy efficiently and quietly.

Redundant safety features protect Skystream from high winds without the need for mechanical overrides.



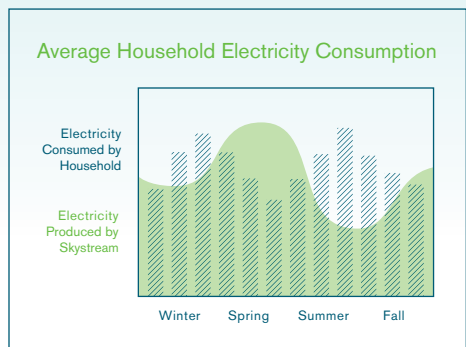
## How Skystream Works



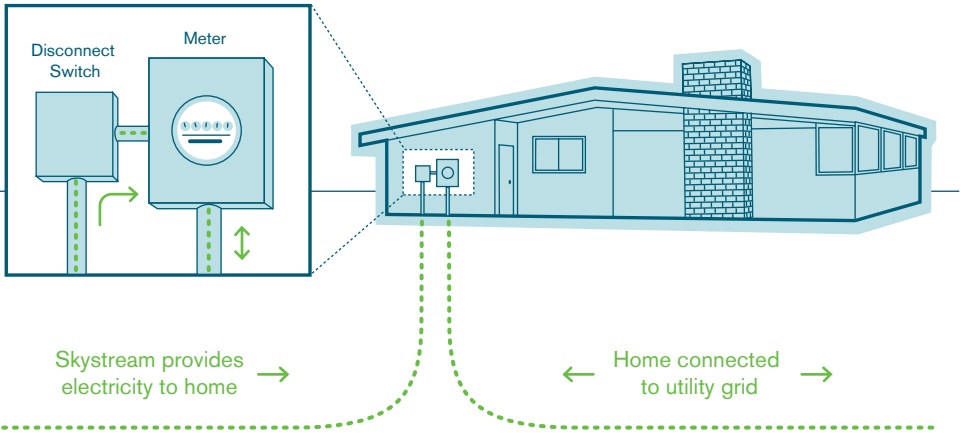
## Reduce Or Eliminate Your Electricity Bill

Skystream is the first wind-powered, grid-connected Residential Power Appliance that produces electricity for less than the retail rate of many utilities. Since everything is built in and there are no significant maintenance costs, once your Skystream is operating and the wind is blowing, you'll see an immediate reduction in electricity costs.

Depending on your installed cost, cost of electricity, and average wind speed, Skystream can pay for itself in as little as five years. Some states offer investment incentives in the form of rebates that improve the cost payback. Visit [www.skystreamenergy.com](http://www.skystreamenergy.com) or contact your local dealer for more information.



Energy outputs based on average seasonal wind speed fluctuations and average household energy consumption. Individual sites will vary.



## Will Skystream Work For You?

Our goal from the start was to make the free energy in the wind accessible to more people than ever before. Skystream's compact design and high-efficiency energy

production has opened up that opportunity to millions of homes around the world. If your site fits the following criteria, chances are Skystream will work for you:

- ✔ At least 10 mph (4.5 m/s) average wind speed. Best results at 12 mph (5.4 m/s) or more\*
- ✔ Your property is at least 0.5 acre (0.2 hectare) and has unobstructed views
- ✔ The local zoning allows a structure that is at least 42 ft (13 m) tall
- ✔ Your local utility has an existing interconnection agreement for homeowners (Your local Skystream dealer can help determine this)

\* Visit [www.skystreamenergy.com](http://www.skystreamenergy.com) for wind maps for your area, or consult your local Skystream dealer.

# Southwest Windpower: the People Behind Skystream.

For 20 years, Southwest Windpower, Inc., in Flagstaff, Arizona, has brought low-cost, reliable, clean energy to the world. As the world's largest producer of small wind generators, we've pioneered new technologies to make renewable energy simple. Visit us at [www.windenergy.com](http://www.windenergy.com).

## Technical Specifications

**Model:** Skystream 3.7

**Rated Capacity:** 1.9 kW continuous output; 2.6 kW peak

**Weight:** 170 lbs / 77 kg

**Rotor Diameter:** 12 ft / 3.72 m **Swept Area:** 115.7 ft<sup>2</sup> / 10.87 m<sup>2</sup>

**Type:** Downwind rotor with stall regulation control

**Direction of Rotation:** Clockwise looking upwind

**Blade Material:** Fiberglass reinforced composite **Number of Blades:** 3

**Rated Speed:** 50-325 rpm **Tip Speed:** 213 ft/s / 66 m/s

**Alternator:** Slotless permanent magnet brushless **Yaw Control:** Passive

**Grid Feeding:** Southwest Windpower inverter 120/240 VAC 50-60 Hz

**Braking System:** Electronic stall regulation with redundant relay switch control

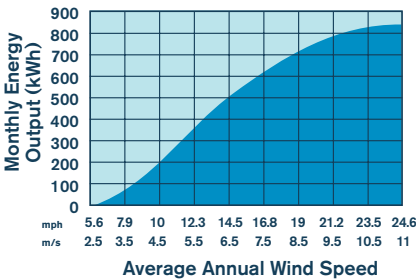
**Cut-in Wind Speed:** 8 mph / 3.5 m/s **Rated Wind Speed:** 20 mph / 9 m/s

**User Control:** Wireless 2-way interface remote system

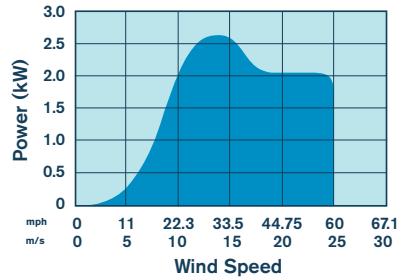
**Survival Wind Speed:** 140 mph / 63 m/s **Sound:** 45 decibels @ 40 ft / 12 m

**FIVE YEAR WARRANTY**

### Energy



### Performance



Data measured and compiled by USDA-ARS Research Lab, Bushland, TX

Your local Skystream dealer

Patented and Patent Pending



3-CMLT-1344-01 REV D 5-08



Printed with vegetable inks on FSC-certified paper (50% recycled, 25% post-consumer).

[www.skystreamenergy.com](http://www.skystreamenergy.com)

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