Flower Turbines

Investable Projects in Small Wind for Dividends and Capital Gains

Dr. Daniel Farb, CEO | dfarb@flowerturbines.com

Now you can, at the same time:

-Make money from relatively safe project investment in Flower Turbines Projects

-Support a cleaner environment

Some of the projects series will be crowdfunded. This gives the average person the ability to invest in projects, which traditionally have given high yield returns only to institutional investors.

Validation

Parent Company—Flower Turbines

Pepperdine University Business School picked Flower Turbines as one of the 10 Most Fundable Companies in America in 2020 out of 4500 companies examined.

Source

IMPEL +

Flower Turbines chosen as a 2021 Innovator by Livermore Labs in Berkeley and the US Department of Energy

Source

Solar Impulse Foundation picked Flower Turbines as one of their “1000 Efficient Solutions” for climate change.

Source

Award Winner

Winner of Dutch Sustainability Award Two Separate Years

Dutch Climate Minister at an Installation

Award Winner

A Winner of Yes San Francisco Cleantech Competition
In Association with the World Economic Forum

SAN FRANCISCO
OFFICE OF ECONOMIC & WORKFORCE DEVELOPMENT

Mayor London N. Breed
Executive Director Sarah Dennis Phillips

December 20, 2023

Daniel Farb
CEO
Flower Turbines
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Dear Mr. Farb,

I want to offer my warmest congratulations as being one of the innovators chosen to reimagine and transform San Francisco.

I am glad you are here to help bring sustainable and equitable growth to the City's economy. I look forward to helping you in accelerating your expansion from the startup phase, and hope to assist you in locating in our great City over the long term.

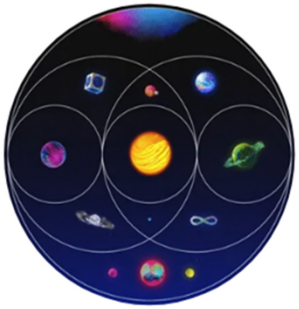
Congratulations again and look forward to connecting soon.

Happy holidays and best wishes for 2024.

Sincerely,

More Credibility

Featured on CBS's "The Henry Ford Innovation Nation"



Our Small units are helping to power Coldplay's Music of the Spheres World Tour

Nominations and wins for various innovation awards. Spoke at US Congress

Problem

Small wind hasn't lived up to its potential as a distributed energy source — Why?

Low noise and efficiency don't mix.

Turbines close together interfere with each other

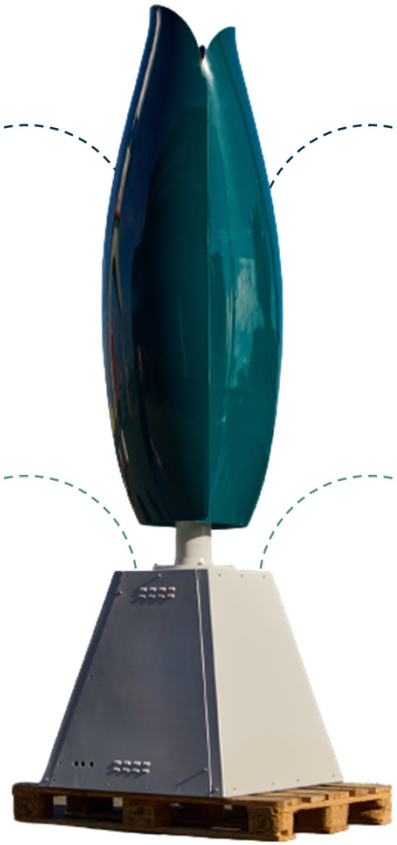
Controversial esthetics

Bird dangerous

Solution

Say Hello to Flower Turbines
It can provide a better solution than any other wind turbine

We patented how to make vertical axis turbines much more efficient. Third party report: noise less than wind



The turbines make their neighbors perform better.

Beautiful yet efficient

Bird friendly

And they start at low speeds and survive high speeds.

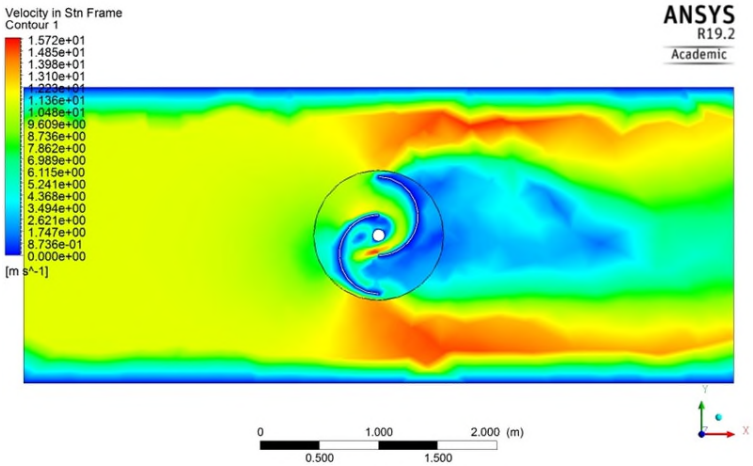
Solution

What is the Flower Turbines Key to Making Cost Effective Small Wind Projects for the First Time?

1. High efficiency; the larger models have an aerodynamic efficiency over 40%, close to that of the modern large ones
2. Low starting speeds so they capture wind energy that other turbines miss
3. The projects are at the point of use—no transmission losses
4. THE BIG ONE: The “bouquet effect” means that each turbine added to a project makes the whole group perform better; each one added improves the investor return!

The patented design decreases turbulence, increases efficiency, and allows turbines to work together.

Wind from left, red highest velocity, yellow is outside wind speed, horizontal slice through the turbine's two blades, shaft in center.

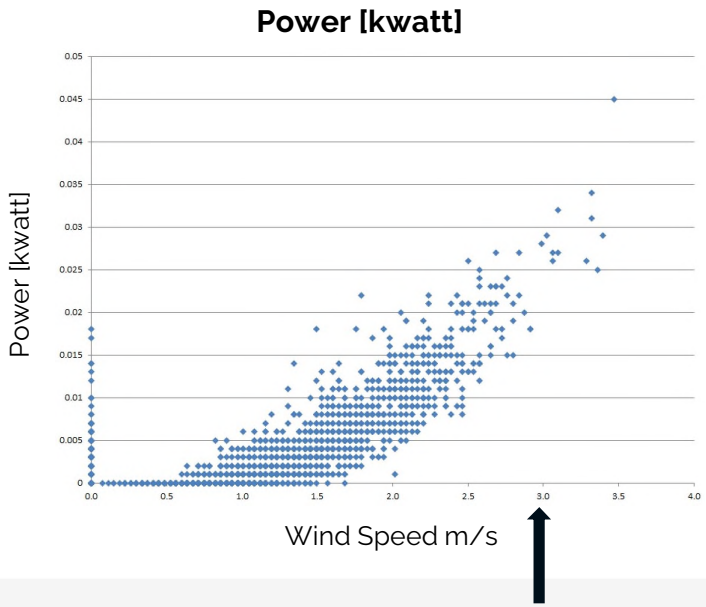


Higher speed red area inside the turbine to hit the second blade and the turbine creates higher speed areas on the side.

Efficiency

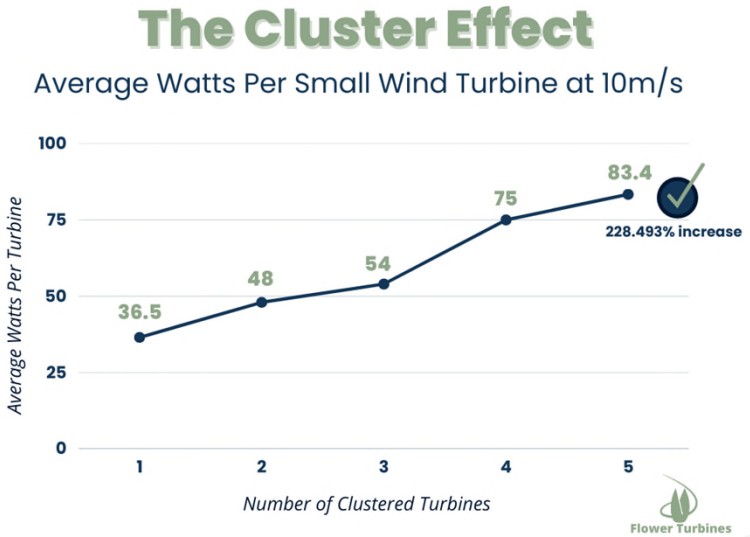
How the Patented Innovations Perform

Efficiency Even at Low Speeds; Actual Data on Earlier Version



Other turbines start turning here, but the Wind Tulips are already producing

Synergistic Clustering



Each turbine produces more and more power the more turbines are in a line in the correct configuration relative to wind direction. 5 turbines correctly placed produce 228% more power than 5 separate turbines.

Flower Turbines (Large Size) Compares Favorably to Solar in Windy Areas: Economic significance of the cluster effect

	Solar	Flower Turbines
Number of kilowatts capacity and kilowatt hours per year	20 and 27,381	20 and 50,000
Space in square meters (example: 10 story apt. building)	148.7	36
Cost of system with 30% Federal tax subsidy	$48,980	$70,000
Value of electricity per year	$4381	$8000
Payback period (years)	11.24	8.75
Revenue per square meter	$29	**$222** **770% Higher**

* Zip Code 02532 on Cape Cod Using $0.16 per kilowatt hour

AL13 Power Tower—The Main Product for Cost-Effective Projects

This product addresses the challenge of making our turbines:

1. Cheaper for all markets due to aluminum blades.
2. Easier and cheaper to transport and assemble. Blades ship flat and are easily inserted on site.
3. Starting at even lower wind speeds.
4. Available for more industrial uses.
5. Improved uptake of wind from all directions due to the stacking constructed at alternating angles.
6. Recyclable
7. Very durable
8. Aluminum is usually corrosion resistant.

Innovative Features of the AL13 Power Tower:

Can stack up to eight 1-meter modules in one tower

Low Noise

Uses wind from any angle

Recyclable Turbine

Bird friendly

Efficient internal aerodynamics

The AL13 Power Tower™ delivers unmatched **effectiveness, cost-efficiency, and space optimization**

Market Opportunity

Target Project: A business or organization in a windy area with a large building and large electricity needs

11M large buildings in North America

X

30% in windy areas

X

40% areas of expensive electricity

X

Average of $250,000 per project

=

$330B

Assume 10% of eligible properties use it

Example 1: Factories in the windy Midwest

Example 2: Hotels in Hawaii (highest cost of electricity in the US)

Example 3: Data centers

What is the Deal for the Project Location?

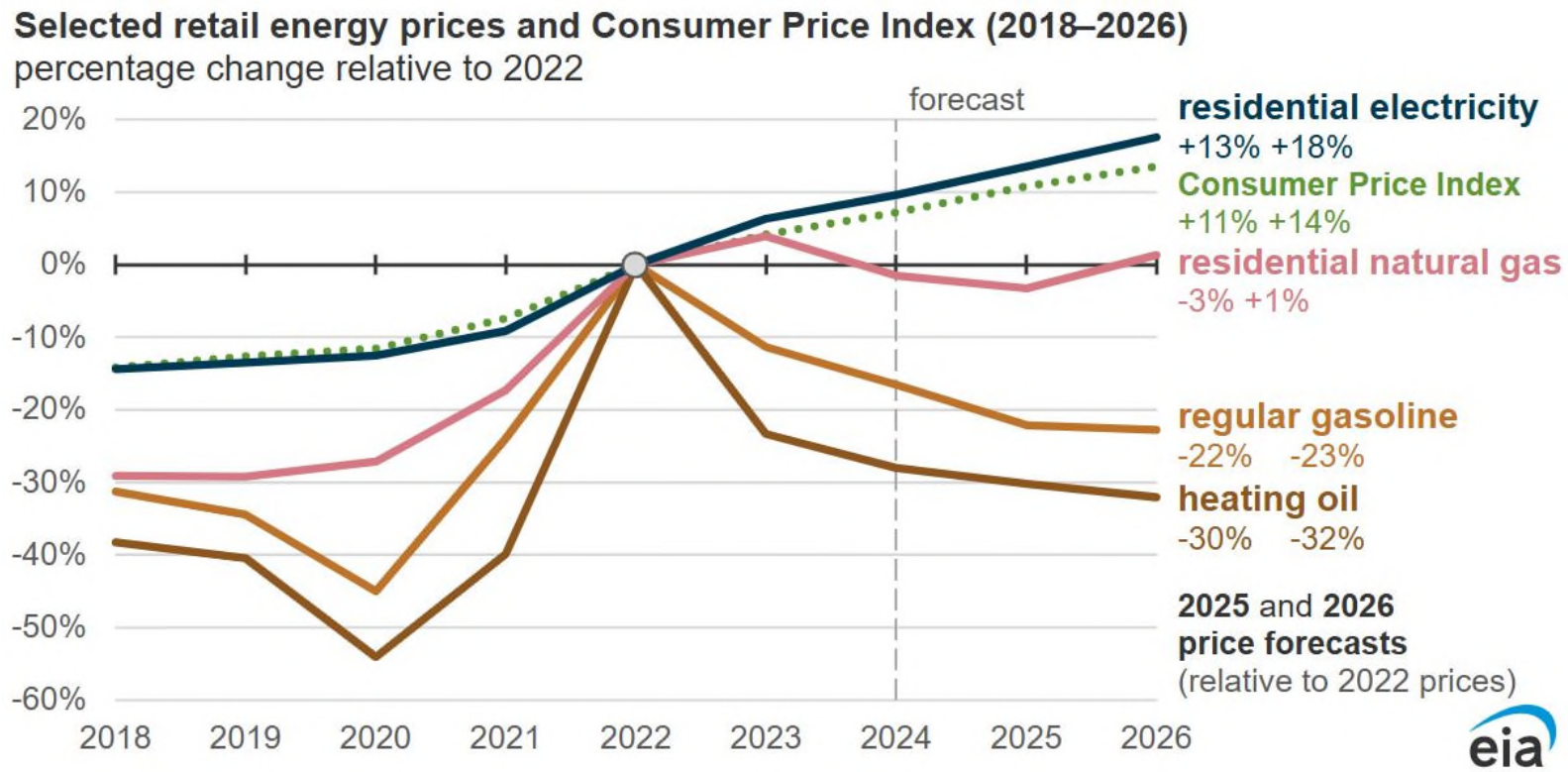
1. They pay us $0.02 per kilowatt hour less than what they pay their utility—they can't lose.
2. They have the option to purchase after 7 years at original cost plus the inflation rate.

What Does the Investor Get?

1. Income from a green energy investment, likely to be greater than the return from bonds.
2. An asset-backed investment; you own part of several wind farms
3. Potential for inflation-protected income
4. Potential for capital gains from sale of the projects in around 7 years.
5. A portfolio of highly curated projects in locations of high wind and high electricity prices.

A key to the likely high returns is that almost all analysts believe that electricity prices will rise due to AI

Reason for Likely Increasing Dividends and Capital Gains: Cost of Electricity Rising Faster than Other Inflation



Data source: U.S. Energy Information Administration, *Short-Term Energy Outlook*, May 2025

Trends in Utility Costs

Deloitte: https://www.deloitte.com/us/en/insights/industry/power-and-utilities/power-and-utilities-industry-outlook.html

"Rising wholesale prices, projected to increase by 19% on average between 2025 and 2028, combined with escalating distribution expenses, are likely to result in higher electricity bills for consumers."

Factors in rising prices:

- **Data Centers**
- **Extreme weather events**
- **Supply chain disruptions**
- **Natural gas (40% of US electricity) prices rising**

How do you invest?

Go to https://www.flowerturbines.com/projectseries1 and learn more and sign up. Your signing up before going to the investment page ensures you will get updates.

For smaller investors, you can invest as little as $500 in one of our crowdfunding rounds that offers low minimums.

Large investors such as family offices should contact us separately at support.us@flowerturbines.com

Strong Leadership

Dr. Daniel Farb

CEO and Founder, IP Manager

Startup experience in software, clean energy, medical. Won recognition in forums from US Congress to Israeli tech (top 45 in Israel's history) to CBS TV. Degrees in humanities, business, science.
Has over 80 patents.

Warren Stoll

COO

Lawyer by training. In addition to other work in operations and investing, exited four startups, one to Microsoft.

Ika Baitish

Mechanical Engineer

Graduate of Technion, expert in engineering software for complex shapes, engineered startup products for manufacturing for high-level clients

Flower Turbines

Join us to change the world!

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