

Our Company



Eocycle - Founded 2001

International Group

• USA: Eocycle America Corporation

• Canada: Eocycle Technologies Incorporated

• Europe/UK: Eocycle Europe

3rd party certified products

ISO 9001 Quality Management System

Backed by strong financial partners

Strategy dedicated to the C&I and Ag. Sector

Products

o **EOX S-16**: 20 - 30W turbine, 80' hydraulic tower, 25' blades

o **EOX M-26**: 90kW turbine, 125' tower, 41' blades



Product Portfolio



The EOX S-16

The S-16's extraordinarily simple design—with very few moving parts—results in high reliability and low maintenance costs.

With no gearbox, your turbine will operate simply, reliably and with minimal maintenance for its 30-year life.

The S-16 wind turbine has been recognized by the Solar Impulse Foundation as one of the top 1,000 solutions in the world that can protect the environment in a profitable way.

Wind Turbine Specs

30 years

Turbine Life

20 - 30 kW

Rated Power

Class IIIA

16m Rotor Diameter

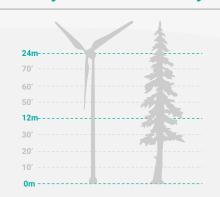
Tilt Up Tower

Fiber concrete Foundation

80' Height (ground to hub)

105' Height (ground to blade tip)

5 years Warranty





Installation details - Challenges





- No challenges to report
- o Put in service November 2022









Crane-Less Hydraulic Tower





Performance prediction - Tool(s) & method



- Global Wind Atlas + 3rd party certified power curve = Accurate AEP prediction
- In-house financial model used to calculate financial return (payback, IRR, LCOE, NPV)
- In-house WindQUOTE Tool for automated detailed proposal delivery



Installed cost breakdown (per unit)



	TOTAL:	\$1	86,400
0	Interconnection, permitting:	\$	1,400
0	Electrical, assembly & erection:	\$	20,500
0	Foundations:	\$	25,000
0	Shipping & delivery:	\$	12,000
0	Equipment:	\$1	27,500

Project economics (for 2 x 19.9 kW units)



o CAPEX:

OPEX (annual):

Net <u>curtailed</u> AEP:

REAP Grant (25%):

o ITC:

\$372,800

\$2,250

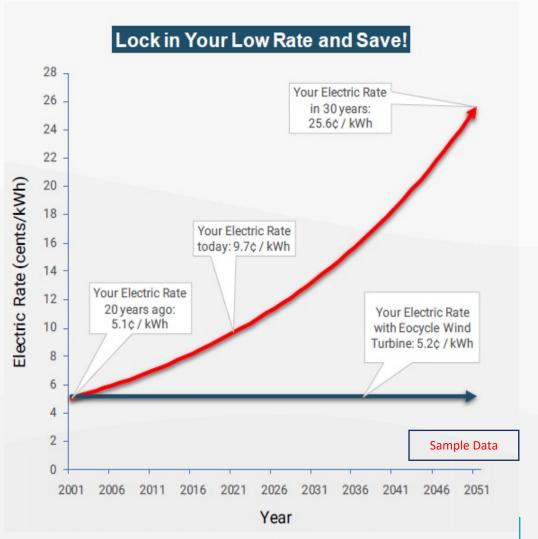
120,000 kWh

\$82,500

30%

o Financial return:

- Payback
- AT Internal rate of return
- Net Present Value
- Levelized cost of energy



Operating history

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For the period Jan. 1st to Dec. 31, 2023

- o Linsmeier 1
 - 99.6% availability
 - 56.3 MWh
 - (curtailed to 19.9kW)
- o Linsmeier 2
 - 98.7% availability
 - 58.89 MWh
 - (curtailed to 19.9kW)

Combined turbines (2)

- 99.1% availability
- 97% of predicted Annual Energy Production (AEP)



Project shows new trend for curtailment & multiple units

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Curtailed projects

- o (running): 2 x 19.9 kW of wind Linsmeier
- o (running): 19.9 kW of wind + 19.9 kW of solar
- Some others curtailed to 25 kW to meet grid limitation

Multiple unit projects completed or under construction

(running): 2 x 25 kW (running): 2 x 25 kW

(running): 2 x 25 kW

(under construction): 4 x 25 kW

(under construction): 4 x 25 kW

(under construction): 2 +1 x 25 kW

Numerous twin projects in Europe











Thank You.

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