

Partnership with UCONN

Our partnership with UCONN started in 2012 and is expanding further with clean energy projects slated for 2024-2026

2012



First fuel cell
installed at C2E2
400 kW

2022



10-year fuel cell upgrade
at C2E2
460 kW

2024



Battery Energy
Storage 860 kW (C2E2)



Fuel cells 920 kW
(Putnam)

2025



Fuel cells 920 kW
(UConn Health -
Bldg. R)



Fuel cells 460 kW
(Mansfield
Apartments)

2026



Fuel cells 920 kW
(UConn Health -
Bldg. S)



Battery Energy
Storage (Mansfield
Apartments)

Environment and Economics

One (1) HyAxiom Fuel Cell - 460kW

Economic Benefits
5-year savings vs.
Grid

\$465,819 / year
\$2,329,095 / 5 years
\$0.11 / kWh / year



Environmental Benefits

5-year savings vs. traditional
energy sources

CO₂ - 6.3 Million lbs. / 667 Acres
of Trees

NO_x - 18,975 lbs. / 500 Cars

H₂O - 8.05 Million gal. / 13

Ol i P l



Customer: University of Connecticut
Location: Storrs, CT

HyAxiom PureCell® System Performance & Savings Report

Time Period - 9/1/2022 thru 2/29/2024



Sales Lead: Gerry Conboy
Date: 19-Mar-24

Avg Monthly Project Savings 2/29/2024	\$ 61,738
Project Cumulative Savings	\$ 1,111,277

Fuel Cell System Overview

Qty of PureCell® Model 400:	1
Electrical Output (Net):	460 kW
High Grade Heat Output:	0.72 /MMBtu/h
Low Grade Heat Output:	1.03 /MMBtu/h
Gas Consumption Rate (HHV):	4.04 /MMBtu/h
Max Annual Capacity	4,029,600 kWh
GMO Annual Capacity (92%)	3,707,232 kWh

Contributing Savings Factors - To Date

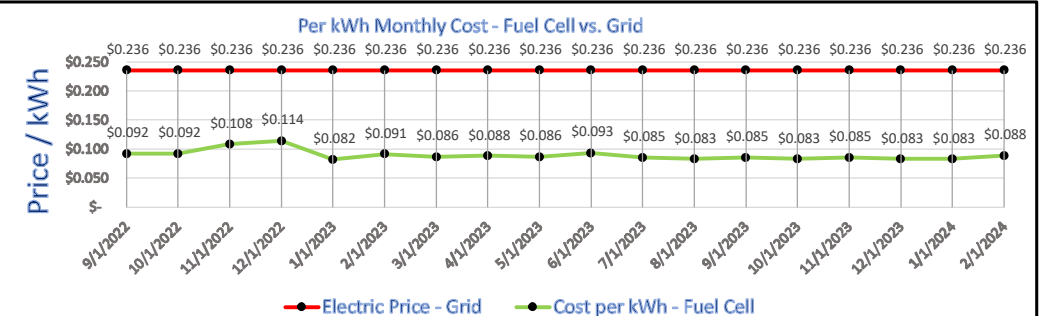
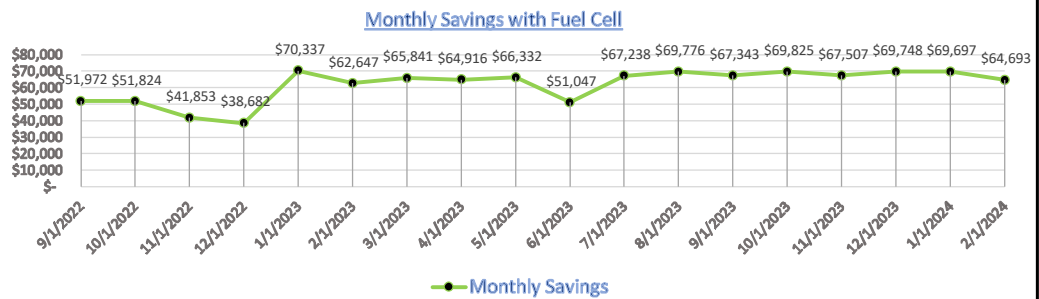
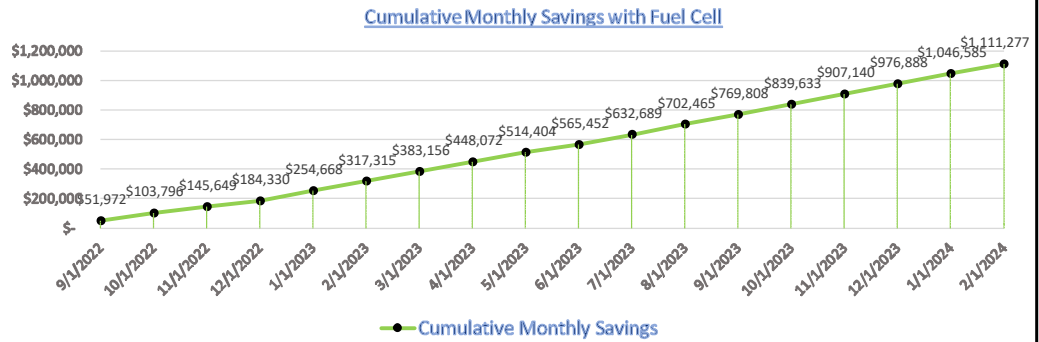
LRECs Earned	\$ 213,050.05
Thermal Recovery Savings	\$ 54,900.00
Demand Charge Avoidance	\$ 130,005.20
ICAP Savings	\$ 48,000.00
DG Rider	\$ 93,000.00

Utility & Facility Data

Utility Electric Price:	0.2360 \$/kWhr
Avoided Heating Fuel Price:	\$7.50 /MMBTU
Fuel Cell Natural Gas Price:	\$7.00 /MMBTU
System Degradation	0.5% / Year

Financial Factors

Commercial Operation Date:	8/16/2022
Operating Term (years):	15
Fuel Cell Price - \$/kWh	\$ 0.092



CUMULATIVE ENVIRONMENTAL IMPACT / SAVINGS OF UCONN FUEL CELL

CO₂



1,794,145.33 lbs.** saved
189.20 acres of trees

NO_x



5,382.44 lbs.** saved
141.90 cars

H₂O



2,283,457.69 Gallons** saved
3.59 Olympic Pools

NOISE



65 dBA @ 10 m
No louder than piano music

** PureCell Model 400 (460kW) compared to traditional energy sources.