

## LaFountain, Dakota

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**From:** Steve Pearson <spearson@vfsmi.com>  
**Sent:** Friday, November 3, 2023 10:32 AM  
**To:** LaFountain, Dakota  
**Cc:** mayor@danbury-ct.gov; Irene Aspras; Todd Lukas; Burke, Stephen; Joe Dillon; CSC-DL Siting Council  
**Subject:** RE: Condition Outstanding: EM-VFS-034-230620e – Western Connecticut State University, 181 White Street, Danbury  
**Attachments:** IMG\_0839.jpg; IMG\_0849.jpg; IMG\_0838.jpg; IMG\_0842.jpg; COD Checklist 11263 WCSU\_S.pdf

Hi, Dakota, and again, thanks for the assistance. We have attached the required pictures. As you see, the fuel cell has a beautiful new vinyl wrap and fits nicely into the WCSU campus environment:

1. The picture attached is the fuel cell straight on in the location.
2. Picture attached two is the fuel cell vinyl wrap closeup.
3. Picture attached three is the fuel cell from a distance in the Science Building location.
4. Picture attached four is the fuel cell's new nameplate from HyAxiom.
5. Attachment 5 is the HyAxiom COD checklist executed.

WCSU is an excellent green energy university. Please let me know if you have any questions. Thanks a lot, Steve

We are producing 400 kW with the hydrogen fuel cell.

**Not less than 45 days after completion of construction, the Council shall be notified i that construction has been completed **along with a representative photograph of th modification;****

### STEVE PEARSON

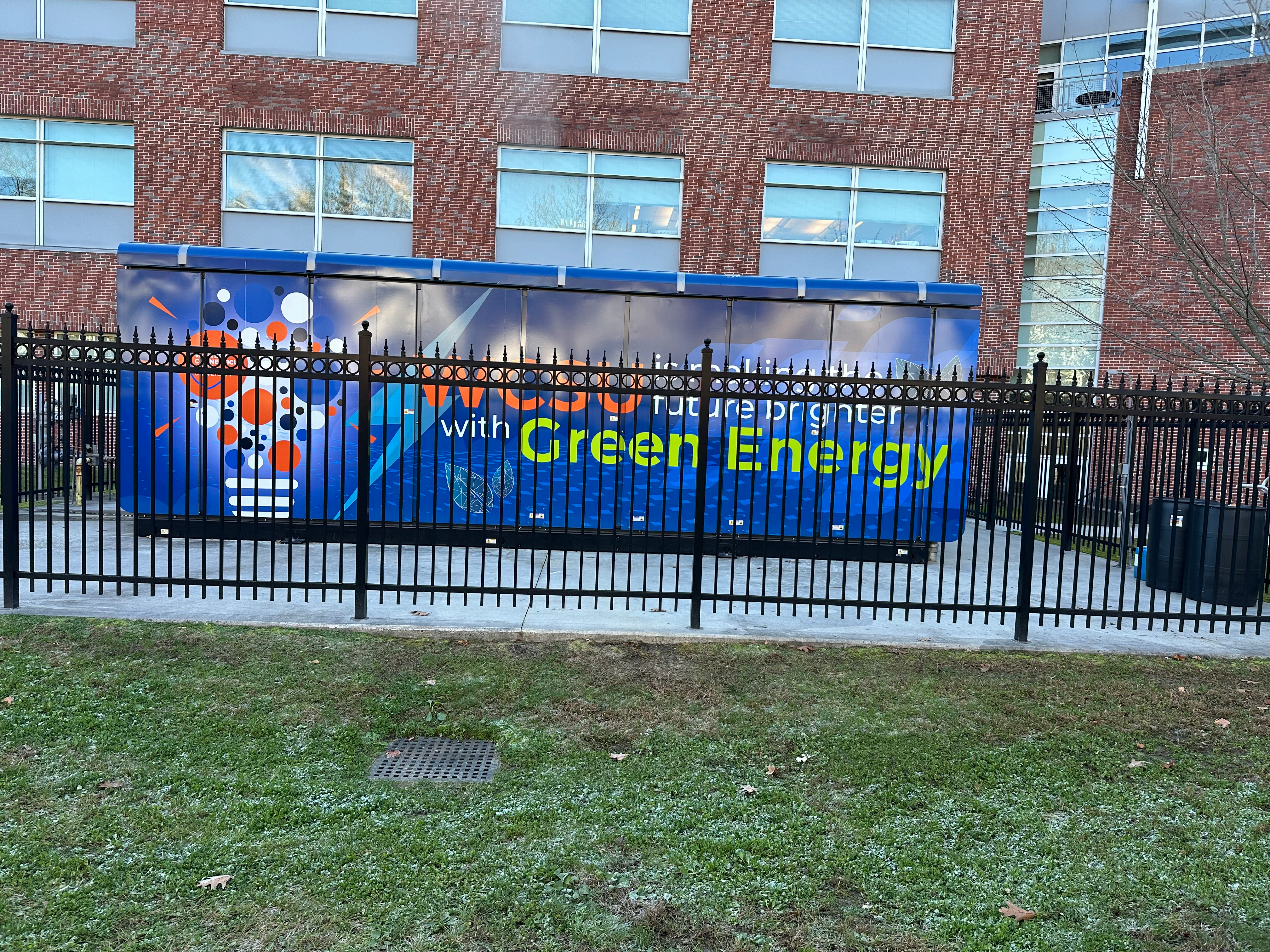
Green Energy Customer Financing Executive  
248-657-4600 ext. 105  
[spearson@vfsmi.com](mailto:spearson@vfsmi.com)

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**From:** LaFountain, Dakota <Dakota.LaFountain@ct.gov>  
**Sent:** Tuesday, October 24, 2023 3:14 PM  
**To:** Steve Pearson <spearson@vfsmi.com>  
**Cc:** mayor@danbury-ct.gov; Irene Aspras <asprasi@wcsu.edu>; Todd Lukas <lukast@wcsu.edu>; Burke, Stephen <Sburke@commnet.edu>; Joe Dillon <jdillon@vfsmi.com>; CSC-DL Siting Council <Siting.Council@ct.gov>  
**Subject:** Condition Outstanding: EM-VFS-364-230620e – Western Connecticut State University, 181 White Street, Danbury



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**WCSU** is making the  
future brighter  
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# Commercial Operation Checklist PureCell® System Model 400

Customer: Fuel Cell ESA WCSU LLC    Location: 181 White Street, Danbury, CT, 06810  
Powerplant S/N: 11263



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### Checklist

Cognizant customer information needed.

Page 2

### Startup Activities

These activities are required for commercial operation.

Page 3

# PureCell<sup>®</sup> System Model 400

## STARTUP ACTIVITIES REQUIRED FOR COMMERCIAL OPERATION

**Customer Name: Fuel Cell ESA WCSU II, LLC**

**System Serial Number: 11263**

**System Location (City, State): 181 White Street, Danbury, CT, 06810**

**System Communications Information: Digi 5G**

**Powerplant Controller Phone Number or Static IP Address: -**

Name of Installers Office: HyAxiom Inc, South Windsor, CT

Installers Office Phone Number: 860-727-2847

Installers Emergency Point of Contact: HyAxiom's Control Center

860-727-2847 (24/7/365)

Name of HyAxiom field service technician: Justin Murray

**Please fill in the information below and email it to [DoosanCC@doosan.com](mailto:DoosanCC@doosan.com)**

Responsible Site Customer/Operator to be contacted for Service Access and Notifications:

Luigi Marcone

Responsible Site Customer Phone Number (Office and Mobile):

marconel@wcsu.edu (203) 837-9314

HyAxiom, Inc.

The HyAxiom technician is to complete each of the following activities and indicate completion by signing and dating each activity. The actual number of activities required will vary by site.

- \* 9/26/2023 – JS                      CONFIRM THAT THE PHONE LINE OR STATIC IP ADDRESS IS FULLY FUNCTIONAL (The phone line/static IP address must be installed and operational prior to initiating any further start-up activities)
- \* 10/27/2023 – JS                      Demonstrated steady state max power output with attached screen shot
- \* 10/28/2023 - JS                      72 Hour Hold at Full Power/Nominal Power with attached screen shot
- \* N/A                                      Power Factor Testing as Required by Site
- \* N/A                                      Grid Independent Testing (if required)
- \* N/A                                      Low Grade Heat Recovery Testing (if required)
- \* 10/27/2023 - JS                      High Grade Heat Recovery Testing (if required)
- \* N/A                                      High Grade max set-point(°F)
- \* N/A                                      Ancillary Equipment Testing (if required)  
Note: Chiller and cooling tower startups will be completed during the appropriate season, which may not be at the time of powerplant startup.
- \* N/A                                      Beckwith Relay Testing (if required)
- \* 10/10/2023 – JS                      Utility Interconnect Testing (if required)
- \* 9/26/2023 – JS                      Verify Proper Operation of Remote Monitoring System
- \* N/A                                      Verify Proper Operation of Efficiency Monitoring System (if required)
- \* N/A                                      Verify Proper Operation of Shark Meter or equivalent (if required)

**10/28/2023**

**Commercial Operation Date**

**Provider Signoff:**

  
Signature

10/28/2023  
Date

Steady state max power:

PPU ID: 11283    CONFIG: M400+
PPC Version: 1.2.3.5

## POWERPLANT OPERATIONS

LOCAL OPERATOR CONTROL

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### POWER PLANT STATUS

#### MAJOR DATA

ELECTRICAL EFFICIENCY	45.1942 %	OPERATING TIME	1308598 hr	CUMULATIVE POWER SET POWER	372884 MWh	REFORMER TEMP	854.9 °C
STACK/GOP TEMP	162 °C	POWER FACTOR	1	SET POWER	400	ACTUAL POWER	400 kW

#### SID TYPE

ASD	BSD	CSD	FSD	HSD	ISD	LORSID
NORMALS	RSD	SSD	TSD	W/SID	YSD	<span style="color: blue;">Clear SD</span>

**TOTAL ALARMS**    11    Clear Alarms

Start PP    Plant Shutdown

Power Reset    Burner Relight

Watchdog Reset

Current Active Events    Events Log

OPERATION MODE    KW DISPATCH    EXT DISPATCH

#### EVENTS LOG

P	R	S	W	A	N	C	L	I	KW/CNH	IDENORM	VOCTOI	TE400FT	TE072FT		
130	160	60	20	30	60	30	20	50	400	436/608	960.5	162	854.9		
Date: 10-27-2023										Time: 10:33:54		Total Alarms: 11		Overrides: 0	



72-hour hold:

