# APPLICATION FOR FIRST AMENDMENT TO THE Ohio Power Siting Board

FOR A

# Certificate of Environmental Compatibility and Public Need

FOR THE

# **Trumbull Energy Center**



SUBMITTED BY: Clean Energy Future - Trumbull, LLC





Bricker & Eckler LLP 100 South Third Street Columbus, OH 43215 Office: 614.227.2300 Fax: 614.227.2390 Dylan F. Borchers Direct Dial: 4914 dborchers@bricker.com www.bricker.com info@bricker.com

March 18, 2022

Via Electronic Filing

Ms. Tanowa Troupe Administration/Docketing Ohio Power Siting Board 180 East Broad Street, 11<sup>th</sup> Floor Columbus, Ohio 43215-3793

Re: Clean Energy Future-Trumbull, LLC

Case No. 22-0223-EL-BGA

Dear Ms. Troupe:

Enclosed for filing in the above-referenced case is a copy of the Application for an Amendment of Clean Energy Future—Trumbull, LLC Application for a Certificate of Environmental Compatibility and Public Need for an electric generating facility, Trumbull Energy Center, in the Village of Lordstown, Trumbull County, Ohio. The purpose of this Amendment is to request a one-year extension of the expiration date of the Certificate granted on October 5, 2017 (Case No. 16-2444-EL-BGN), which currently would expire on October 5, 2022. The need for this one-year extension is a direct result of the impacts of the COVID-19 global pandemic to the Project and its construction schedule. Pursuant to Ohio Administrative Code Rule 4906-2-04(A)(3), the Applicant makes the following declarations:

Name of Applicant: Clean Energy Future—Trumbull, LLC,

whose president is Steven Remillard 19 Juniper Road Upton, MA 01568

Telephone: 508.203.7852

E-Mail: steve@cleanenergyfuture.com

Name/Location of

**Proposed Facility:** Clean Energy Future-Trumbull, LLC

Village of Lordstown, Trumbull County, Ohio



Clean Energy Future–Trumbull, LLC Case No. 22-0223-EL-BGA March 18, 2022 Page 2

# **Authorized Representative**

**Legal:** Dylan F. Borchers

Bricker & Eckler LLP 100 South Third Street Columbus, OH 43215 Telephone: (614) 227-4914 Facsimile: (614) 227-2390

E-Mail: dborchers@bricker.com

**Notarized Statement:** The Affidavit of, on behalf of William Siderewcz

Clean Energy Future-Trumbull, LLC is attached.

Sincerely on behalf of

CLEAN ENERGY FUTURE-TRUMBULL, LLC

Dylan F. Borchers

Enclosure

# BEFORE THE OHIO POWER SITING BOARD

In the Matter of the Application of Clean	)	
Energy Future-Trumbull, LLC for an	)	
Amendment to its Certificate of Environmental	)	Case No. 22-0223-EL-BGA
Compatibility and Public Need for an Electric	)	Case No. 22-0223-EE-BGA
Generating Facility in Lordstown, Ohio,	)	
Trumbull County	)	

# AFFIDAVIT OF WILLIAM SIDEREWICZ, CLEAN ENERGY FURTURE-TRUMBULL, LLC

STATE OF NEW YORK

: SS.

COUNTY OF NEW YORK

I, William Siderewicz, being duly sworn and cautioned, state that I am over 18 years of age and competent to testify to the matters stated in this affidavit and further state the following based upon my personal knowledge:

- 1. I am executing this affidavit on behalf of Clean Energy Future-Trumbull, LLC as its President.
- I have reviewed Clean Energy Future-Trumbull, LLC's Amendment to its
   Application to the Ohio Power Siting Board for a Certificate of Environmental Compatibility and
   Public Need for the Trumbull Energy Center project.
- 3. To the best of my knowledge, information, and belief, the information and materials contained in the above-referenced Amendment are true and accurate.
- 4. To the best of my knowledge, information, and belief; the above-referenced Amendment is complete.

William Siderewicz

Sworn to before and signed in my presence this \times day of March 2022.

Notary Public Deborah Persaud

NOTARY PUBLIC, STATE OF NEW YORK Registration No. 01PE6204002 Qualified in Queens County Commission Expires April 13, 2025

[SEAL]

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No updated tables.

# LIST OF FIGURES

No updated figures other than:

ï Updated Figure 03-7: Project Schedule

# LIST OF APPENDICES

No updated appendices.

# **ACRONYMS/ABBREVIATIONS**

the Amendment	First Amendment to the Application, Case No. 16-2444-EL-BGN
the Applicant	Clean Energy Future-Trumbull, LLC
the Application	Application for a Certificate of Environmental Compatibility and Public Need, Case No. 16-2444-EL-BGN
Certificate	Opinion, Order and Certificate of Environmental Compatibility and Public Need
O&M	Operations and Maintenance
OPSB	Ohio Power Siting Board
РЈМ	PJM Interconnection LLC, the regional electric transmission Independent System Operator
the Project	Trumbull Energy Center

4906-4-02 Project Summary and Applicant Information

Clean Energy Future-Trumbull, LLC (the Applicant) is aware that new rules are in effect

in the application to the Ohio Power Siting Board (OPSB) for a Certification of Environmental

Compatibility and Public Need (Certificate) prepared for Trumbull Energy Center (the

Application, Case No. 16-2444-EL-BGN). However, this first amendment to the Application (the

Amendment) tracks the designation of the rules under which the Application was filed. The

Applicant believes that it has addressed anything relative to the Amendment that is substantively

necessary in the most current rules.

(A) SUMMARY OF THE PROPOSED PROJECT

No change in introductory language from the most recent filing.

(1) General Purpose of the Project

No change from the most recent filing.

(2) Project Description

The Application, Case No. 16-2444-EL-BGN, proposed the construction and

operation of the Trumbull Energy Center (the Project), a new 940-megawatt natural gas-

fired combined-cycle electric generating facility to be developed, built, owned, and

operated by the Applicant. The Project is proposed and approved on an approximately 23-

acre parcel located east of State Route 45 in the Village of Lordstown, Trumbull County,

Ohio. A total of approximately 117 acres was studied in the Application, reflecting areas

planned for laydown use as well as components of the electrical interconnection. The

OPSB issued a Certificate on October 5, 2017 approving the Application. Condition No. 7

in the Certificate reflected that a continuous course of construction was required to

commence within five years of journalization of the Certificate.

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This amendment request is for a one-year extension of the Certificate expiration date,

which currently would expire on October 5, 2022. The need for this one-year extension is

a direct result of the impacts of the COVID-19 global pandemic to the Project and its

construction schedule. Where minor, non-material updates have occurred, those are also

noted in the Amendment. The following provides more detail on the impacts of COVID-

19 on the Project.

Global Shutdown and Quarantine: The impacts of COVID-19 have had long-

lasting global impacts that have significantly delayed the commencement of construction.

At the outset of the pandemic, many countries imposed "lock downs" which prohibited

travel, imposed quarantines, and triggered a capital market meltdown. The inability to

travel prevented investors, engineers, consultants, and other Project stakeholders from

meeting to complete the necessary transaction documentation or visiting the Project site

perform site work and due diligence. Additionally, the capital markets experienced turmoil

which prompted financial parties from making commitments or transactions, not only of

this Project, but across the market. Permitting reviews and processes were slowed as a

result of state and federal agencies dealing with a lack of staff due to office closures and

the quarantine. Many businesses (include factories and manufacturing facilities) shut down

during this period. During this period, the Project was not able to advance the necessary

project financing activities.

**Supply Chain Impacts:** As the world emerged from the initial impacts of the

pandemic, the deeper impacts of COVID-19 and the shutdown began to be realized in the

supply chains around the globe. As restrictions were relaxed and factories began to open

back up, many factories and manufacturers found it difficult to procure raw materials for

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their operations. Labor was also in short supply. The result was that many factories and

manufacturers folded while others are only able to operate at reduced capacity due to the

lack of raw materials and labor.

This supply chain issue has impacted the Project significantly due to the significant

amount of equipment (i.e., gas turbines, steam turbine, HRSGs, pump, motors, etc.) and

construction material and commodities (i.e., piping, steel, copper, cement, etc.) needed for

construction. Much of the equipment and materials are sourced globally. The construction

company and equipment manufacturers were having difficulty sourcing the material

required to build the facility. Even today, the EPC contractor and power equipment supplier

are experiencing difficulties securing the materials. The supply chain issues are expected

to subside; however, the subsidence will occur over time. This requested one-year

extension is to afford additional time to work through the global supply chain issues.

**Transportation**: To further complicate matters, as production has started to ramp

back up, suppliers cannot commit to delivery dates due to global transportation bottlenecks.

Similar to the supply chain issues mentioned above, it is expected that over time this will

subside. This is another reason for the requested one-year extension.

Nearly two years after the beginning of the pandemic, the world is still dealing with

the compounding nature and lingering effects of COVID-19. The Project is not immune

from these effects, which has ultimately delayed the financing and start of construction of

the Project. The Project is currently progressing toward financial closure and anticipates

initiation of construction within the requested extended Certificate time frame.

(3) Site Suitability

No change from the most recent filing.

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# (4) Project Schedule

The Project schedule has been somewhat delayed, however, construction is currently scheduled to commence by the fall of 2022, with commercial operation anticipated by January 2026 to meet the anticipated summer peak load demands within the PJM Interconnection LLC (PJM) marketplace. An efficient review of the Amendment is requested to support Project financing in a timely manner. An Updated Figure 03-7 reflects the current planned schedule.

#### (B) ADDITIONAL INFORMATION

#### (1) Description of Future Plans/Plans for Future Additions

No change from the most recent filing.

# (2) Applicant Information

No change from the most recent filing, with the exception of a change in construction contractor from Fluor Corporation to Black & Veatch.

# 4906-4-03 Project Description and Schedule

#### (A) DETAILED DESCRIPTION OF THE PROJECT

#### (1) Project Map

No change from the most recent filing.

#### (2) Project Area

No change from the most recent filing.

#### (B) PROPOSED PROJECT DESCRIPTION

No change from most recent filing.

#### (1) Project Details

No change from most recent filing.

#### (a) Generation Units

No change from most recent filing.

#### (b) Wind Turbine Blade Dimensions

No change from most recent filing.

#### (c) Fuel Quantity and Quality

No change from most recent filing.

#### (d) Pollutant Emissions

No change from most recent filing.

#### (e) Water Volume Requirement

No change from most recent filing.

#### (2) Description of Construction Method and Project Components

#### (a) Generation Equipment

#### (b) Storage Facilities

No change from most recent filing.

# (c) Processing Facilities

No change from most recent filing.

# (d) Water Supply and Discharge

No change from most recent filing; as reflected in the Certificate, discharge to Mud Creek has been authorized under the National Pollutant Discharge Elimination System permit program.

#### (e) Transmission Facilities

No change from most recent filing.

#### (f) On-Site Electric Components

No change from most recent filing.

### (g) Ancillary Facilities

No change from most recent filing.

#### (h) Meteorological Towers

No change from most recent filing.

#### (i) Transportation Facilities

No change from most recent filing.

#### (j) Laydown Areas

No change from most recent filing.

#### (k) Security

No change from most recent filing.

#### (l) Other Installations

# (3) Description of New Transmission Facilities

#### (a) Electric Transmission Line

No change from most recent filing.

#### (b) Natural Gas Pipelines

No change from most recent filing.

#### (4) Map of Project Site

No change from most recent filing.

#### (C) DETAILED PROJECT SCHEDULE

#### (1) Schedule

The Project currently anticipates start of construction in fall of 2022. The Project is expected to be placed into commercial operation by January 2026.

# (2) Construction Sequence

No change from most recent filing.

### (3) Delays

With an anticipated construction start in fall 2022, an efficient review of the Amendment is requested to support financial close and initiation of construction in a timely manner.

# 4906-4-04 Project Area Selection and Site Design

#### (A) SITE SELECTION PROCESS

#### (1) Description of Study Area

No change from most recent filing.

# (2) Maps of Evaluated Alternate Sites

No change from most recent filing.

#### (3) Siting Criteria

No change from most recent filing.

# (4) Process for Identifying the Proposed Site

No change from most recent filing.

#### (5) Factors in Selecting the Proposed Site

No change from most recent filing.

#### (B) PROJECT LAYOUT DESIGN

No change from most recent filing.

#### (1) Constraints Map

No change from most recent filing.

#### (2) Project Layout and Alternatives Considered

No change from most recent filing.

#### (3) Comments Received

# 4906-4-05 Electric Grid Interconnection

# (A) INTERCONNECTION TO THE REGIONAL ELECTRIC POWER SYSTEM

No change from most recent filing.

# (B) INTERCONNECTION REQUEST

# (1) Feasibility Study

No change from most recent filing.

# (2) System Impact Study

# 4906-4-06 Economic Impact and Public Interaction

#### (A) OWNERSHIP

No change from most recent filing,

#### (B) CAPITAL AND INTANGIBLE COSTS

#### (1) Estimated Capital and Intangible Costs

No change from most recent filing.

#### (2) Capital Cost Comparison

No change from most recent filing.

#### (3) Present Worth and Annualized Capital Costs Comparison to Alternatives

No change from most recent filing.

#### (C) OPERATION AND MAINTENANCE EXPENSES

#### (1) Estimated Annual Operation and Maintenance Expenses

No change from most recent filing.

#### (2) Operation and Maintenance Expenses Comparison

No change from most recent filing.

#### (3) Present Worth and Annualized O&M Expenses Comparison to Alternatives

No change from most recent filing

#### (D) COST OF DELAYS

No change from most recent filing, with the exception that commercial operation is now planned prior to January 2027.

#### (E) ECONOMIC IMPACT

#### (1) Annual Total Present Worth of Construction and Operation Payroll

No material change from most recent filing.

#### (2) Construction and Operation Employment

No material change from most recent filing.

#### (3) Increase in Local Revenue

No change from most recent filing.

# (4) Economic Impact on Local Commercial and Industrial Activities

No change from most recent filing.

# (F) NO CHANGE FROM MOST RECENT FILING. RESPONSIBILITY TO THE PUBLIC

#### (1) **Public Information Program**

No change from most recent filing.

#### (2) Liability Compensation Plans

No change from most recent filing.

# (3) Impact to Surrounding Infrastructure

No change from most recent filing.

#### (4) Transportation Permits

No change from most recent filing.

#### (5) Plan for Decommissioning

# 4906-4-07 Air, Water, Solid Waste, and Aviation Regulations

#### (A) COMPLIANCE WITH APPLICABLE REGULATIONS

No change from most recent filing to introductory language.

#### (B) AIR QUALITY

No change in air quality from most recent filing.

#### (C) WATER QUALITY

No change in water quality from most recent filing.

#### (D) NO CHANGE FROM MOST RECENT FILING. SOLID WASTE

#### (1) Preconstruction

#### (a) Debris and Solid Waste

No change from most recent filing.

### (b) Waste Management Plan

No change from most recent filing.

#### (2) Construction

#### (a) Debris and Solid Waste

No change from most recent filing.

# (b) Waste Management Plan

No change from most recent filing.

### (3) Operations

#### (a) Solid Waste

No change from most recent filing.

#### (b) Waste Management Plan

# (4) Licenses and Permits

No change from most recent filing.

# (E) AVIATION

# (1) Surrounding Air Navigation Facilities

No change from most recent filing.

# (2) Federal Aviation Administration Filings

# 4906-4-08 Health and Safety, Land Use, and Ecological Information

#### (A) HEALTH AND SAFETY

#### (1) Equipment Safety

#### (a) Public Safety Equipment

No change from most recent filing.

# (b) Equipment Reliability

No change from most recent filing.

#### (c) Safety Manuals

No change from most recent filing.

#### (d) Public Access

No change from most recent filing.

#### (e) Emergency Plans

No change from most recent filing.

#### (2) Impact of Air Pollution Control Equipment Failures

No change from most recent filing.

#### (3) Noise

No change from most recent filing.

#### (a) Construction Noise

No change from most recent filing.

#### (b) Operational Noise

No change from most recent filing.

#### (c) Noise-Sensitive Areas

#### (d) Noise Mitigation Measures

Construction Noise

No change from most recent filing.

Operational Noise

No change from most recent filing.

# (e) Existing Ambient Conditions

No change from most recent filing.

#### (4) Water

No change from most recent filing.

# (a) Impact of Pollution Control Equipment Failure

No change from most recent filing.

#### (b) Proximate Water Sources

No change from most recent filing.

#### (c) Compliance with Water Source Protection Plans

No change from most recent filing.

#### (d) Potential for Flooding

No change from most recent filing.

#### (5) Geological Features

#### (a) Site Geology

No change from most recent filing.

#### (b) Soils and Soil Suitability

No change from most recent filing.

#### (c) Geotechnical Evaluation Plan

#### (6) Potential for High Wind Conditions

No change from most recent filing.

### (7) Potential Impact from Blade Shear

No change from most recent filing.

#### (8) Potential Impact from Ice Throw

No change from most recent filing.

#### (9) Potential Impact from Shadow Flicker

No change from most recent filing.

# (10) Potential Impact to Radio and TV Reception

No change from most recent filing.

#### (11) Potential Impact to Radar Systems

No change from most recent filing.

#### (12) Potential Impact to Microwave Communications

No change from most recent filing.

#### (B) ECOLOGICAL RESOURCES

#### (1) Existing Ecological Resources

#### (a) Nearby Resources

No change from most recent filing.

#### (b) Wetland and Surface Water Survey

No change from most recent filing.

#### (c) Species Literature Survey

No change from most recent filing.

#### (d) Species Field Survey

#### (e) Additional Ecological Studies

No change from most recent filing.

# (2) Potential Construction Impact

#### (a) Ecological Resource Impact Evaluation

No change from most recent filing.

#### (b) Mitigation

No change from most recent filing.

#### (3) Potential Operation and Maintenance Impact

#### (a) Ecological Resource Impact Evaluation

No change from most recent filing.

#### (b) Mitigation

No change from most recent filing.

# (c) Post-Construction Monitoring of Wildlife Impacts

No change from most recent filing.

#### (C) LAND USE AND COMMUNITY DEVELOPMENT

#### (1) Land Use

#### (a) Land Use Mapping

No change from most recent filing.

# (b) Existing Structures

No change from most recent filing.

#### (c) Land Use Impacts

No change from most recent filing.

# (d) Structures to be Removed or Relocated

#### (2) Wind Turbine Structure Locations

No change from most recent filing.

#### (3) Land Use Plans

#### (a) Formally Adopted Plans for Future Use

No change from most recent filing.

#### (b) Applicant Plans for Concurrent or Secondary Use of the Site

No change from most recent filing.

# (c) Impact to Regional Development

No change from most recent filing.

# (d) Compatibility with Current Regional Plans

No change from most recent filing.

# (e) Demographic Characteristics

#### (D) CULTURAL AND ARCHAEOLOGICAL RESOURCES

No change from most recent filing.

#### (1) Cultural Resource Mapping

No change from most recent filing.

#### (2) Cultural Resource Impacts

No change from most recent filing.

#### (3) Recreational Areas

No change from most recent filing.

#### (4) Visual Impacts

# (a) Project Visibility

No change from most recent filing.

# (b) Existing Landscape

No change from most recent filing.

#### (c) Landscape Alterations

No change from most recent filing.

#### (d) Visual Impacts

No change from most recent filing.

# (e) Photographic Simulations

No change from most recent filing.

#### (f) Proposed Mitigation Measures

# (E) AGRICULTURAL DISTRICTS

# (1) Agricultural Land Mapping

No change to most recent filing.

# (2) Potential Impact to Agricultural Land

# (a) Acreage Impacted

No change to most recent filing.

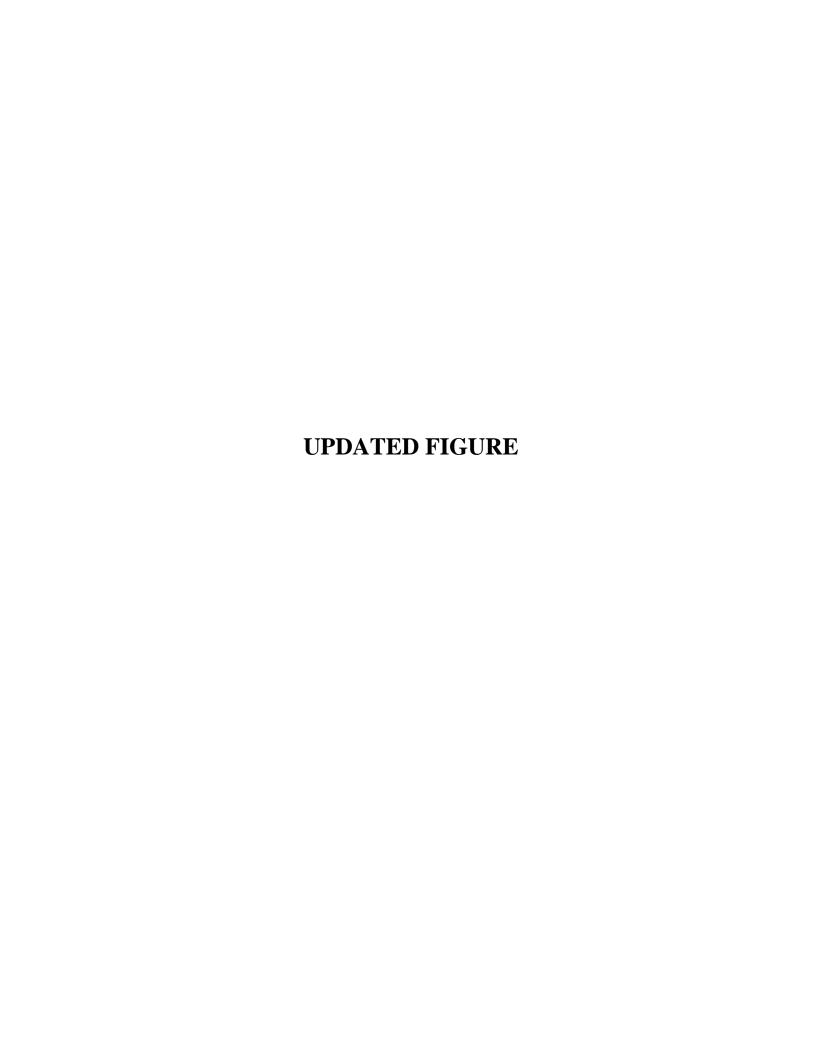
# (b) Impact of Project Activities

No change to most recent filing.

# (c) Agricultural Mitigation Practices

No change to most recent filing.

# (d) Other Considerations in Preparing the Application



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Description	Alenuer Prior to 2022	February	March April YeM	Annt Annt	†su§uA	September October	November	January December	February	linqA	May	ylut fsuguA	September	November	January	February	linqA ysM	əunr	Ylut	September October	November	January	February	lingA ysM	June	†su§uA	September October	November	January	Гергиагу Магсh	linqA ysM	June	fsuguA	September October	November
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PJM Interconnection Process																																			
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System Impact Study	^																				L														
Service Agreement	`												L								L														
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Ohio Power Siting Board Process									_				L				-				L														
Application Preparation	`												L								L														
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Summary: Application Amendment of Clean Energy Future—Trumbull, LLC electronically filed by Teresa Orahood on behalf of Dylan F. Borchers