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January 13, 2015

VIA UPS OVERNIGHT AND ELECTRONIC MAIL

Mr. Robert Stein, Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: Docket No. 192B—Towantic Energy, LLC Motion to Reopen and Modify the June 23, 1999 Certificate of Environmental Compatibility and Public Need Based on Changed Conditions Pursuant to Connecticut General Statutes §4-181a(b) for the Construction, Maintenance and Operation of a 785 MW Dual-Fuel Combined Cycle Electric Generating Facility Located North of the Prokop Road and Towantic Hill Road Intersection in the Town of Oxford, Connecticut—CPV Towantic, LLC's Public Hearing Presentation

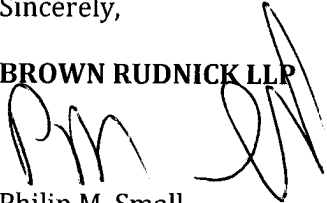
Dear Chairman Stein:

Enclosed are an original and fifteen (15) copies of CPV Towantic, LLC's Public Hearing Presentation for the January 15, 2015 evening public hearing.

Please contact Franca L. DeRosa, Esq. or me at (860) 509-6500 with any questions.

Sincerely,

BROWN RUDNICK LLP



Philip M. Small
Counsel for CPV Towantic, LLC

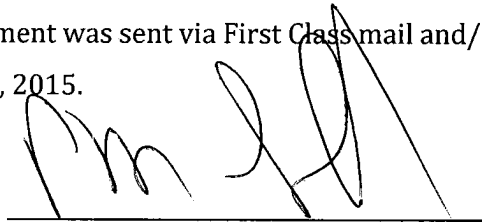
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Enclosures
cc: Service List

61843203 v1-022345/0005



CERTIFICATION

I hereby certify that a copy of the foregoing document was sent via First Class mail and/or electronic mail to the following service list on January 13, 2015.

By: 
Philip M. Small

**LIST OF PARTIES AND INTERVENORS
SERVICE LIST**

Status Granted	Status Holder (name, address & phone number)	Representative (name, address & phone number)
Applicant	CPV Towantic, L.L.C.	Franca L. DeRosa, Esq. Philip M. Small, Esq. Brown Rudnick LLP 185 Asylum Street Hartford, CT 06103 (860) 509-6500 (860) 509-6501 – fax fderosa@brownrudnick.com psmall@brownrudnick.com
Party	Jay Halpern 58 Jackson Cove Road Oxford, CT 06478 h: 203-888-4976 zoarmonster@sbcglobal.net Peter Thomas 72 Towantic Hill Rd. Oxford, CT 06478 203-720-1536	
Intervenor	Town of Middlebury	Attorney Dana A. D'Angelo Law Offices of Dana D'Angelo, LLC 20 Woodside Avenue Middlebury, CT 06762 (203) 598-3336 (203) 598-7283 – fax Dangelo.middlebury@snet.net Stephen L. Savarese, Esq. 103 South Main Street Newtown, CT 06470 203-270-0077 attystephensavarese@gmail.com
Intervenor	The Connecticut Light and Power Company (CL&P)	Stephen Gibelli, Esq. Associate General Counsel The Connecticut Light and Power Company P.O. Box 270 Hartford, CT 06141-0270 (860) 665-5513 (860) 665-5504 –fax gibels@nu.com

Status Granted	Status Holder (name, address & phone number)	Representative (name, address & phone number)
	CL&P continued...	<p>John R. Morissette Manager-Transmission Siting and Permitting The Connecticut Light and Power Company P.O. Box 270 Hartford, CT 06141-0270 (860) 665-2036 morisjr@nu.com</p> <p>Christopher R. Bernard Manager, Regulatory Policy (Transmission) The Connecticut Light and Power Company P.O. Box 270 Hartford, CT 06141-0270 (860) 665-5967 (860) 665-3314 – fax bernacr@nu.com</p> <p>Stella Pace, Senior Engineer The Connecticut Light and Power Company Transmission and Interconnection Dept. P.O. Box 270 Hartford, CT 06141-0270 (860) 665-3569 pacess@nu.com</p> <p>Jeffery D. Cochran Northeast Utilities Service Company 107 Selden Street Berlin, CT 06037 860-665-3548 cochrjd@nu.com</p>
Party	Town of Oxford	<p>Francis A. Teodosio, Esq. Winnick, Vine, Welch & Teodosio, LLC 481 Oxford Road Oxford, CT 06478 fteodosio@wvwtlaw.com (203) 881-3600 (203) 881-3606 fax</p>
Party	Naugatuck Valley Chapter Trout Unlimited	<p>Robert M. Perrella, Vice President TU Naugatuck/Pomperaug Valley Chapter 278 W. Purchase Road Southbury, CT 06488-1004 johnnytroutseed@chartner.net</p>

Intervenor	Town of Southbury	Ed Edelson First Selectman Town of Southbury 501 Main Street Southbury, CT 06488 selectman@southbury-ct.gov (203) 262-0647 (203) 264-9762 – fax
Party	The Pomperaug River Watershed Coalition	Len DeJong, Executive Director Pomperaug River Watershed Coalition 39 Sherman Hill Road, C103 Woodbury, CT 06798 203-263-0076 LDeJong@pomperaug.org
Intervenor (approved 06/07/06)	Raymond Pietrorazio 764 Charcoal Avenue Middlebury, CT 06762-1311 (203) 758-2413 (203) 758-9519 – fax ray@ctcombustion.com	
Intervenor (approved 10/10/06)	GE Energy Financial Services, Inc.	Jay F. Malcynsky The Law Offices of Jay F. Malcynsky, P.C. One Liberty Square New Britain, CT 06051 (860) 229-0301 (860) 225-4627 – fax jmalcynsky@gaffneybennett.com
Intervenor (Approved on November 13, 2014)	Borough of Naugatuck and Borough of Naugatuck Water Pollution Control Authority	Edward G. Fitzpatrick, Esq. Fitzpatrick, Mariano, Santos, Sousa, PC 203 Church Street Naugatuck, CT 06770 203-729-4555 Fitz@fmslaw.org Ronald Merancy, Chairman Water Pollution Control Authority 229 Church Street Naugatuck, CT 06770 203-720-7000 Rjm62159@aol.com

Intervenor (Approved on January 8, 2015)	Wayne McCormack 593 Putting Green Lane Oxford, CT 06478 wayne@waynemccormack.com	
Intervenor (Approved on January 8, 2015)	Naugatuck River Revival Group, Inc.	Kevin R. Zak, President Naugatuck River Revival Group, Inc. 132 Radnor Avenue Naugatuck, CT 06770 kznrrg@sbcglobal.net 203-530-7850
Intervenor (Approved on January 8, 2015)	Westover Hills Subdivision Homeowners	Chester Cornacchia Westover Hills Subdivision Homeowners 53 Graham Ridge Road Naugatuck, CT 06770 203-206-9927 cc@necsonline.com
Intervenor (Approved on January 8, 2015)	Westover School	Kate J. Truini Westover School 1237 Whittemore Road Middlebury, CT 06762 203-758-2423 ktruini@westoverschool.org
Intervenor (Approved on January 8, 2015)	Greenfields, LLC	Edward S. Hill, Esq. Cappalli & Hill, LLC 325 Highland Avenue Cheshire, CT 06410 203-272-2607 ehill@cappalihill.com
Intervenor (Approved on January 8, 2015)	Lake Quassapaug Association, LLC	Ingrid Manning, Vice President Lake Quassapaug Association, LLC P.O. Box 285 Middlebury, CT 06762 203-758-1692 Ingridmanning2@gmail.com

<p>Intervenor (Approved on January 8, 2015)</p>	<p>Middlebury Land Trust, Inc.</p>	<p>W. Scott Peterson, M.D., President Middlebury Land Trust, Inc. 317 Tranquility Road Middlebury, CT 06762 203-574-2020 wsp@aya.yale.edu</p>
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Project Overview

CPV Towntantic is an 805 megawatt ("MW") combined-cycle electric generating facility in Oxford, Connecticut. The project will use clean-burning natural gas and state-of-the-art technology, including two combustion turbines, two heat recovery steam generators and one steam turbine capable of producing electricity in a highly efficient and environmentally friendly manner.

Vicinity Map



CPV TOWANTIC ENERGY CENTER

Project Details

Type of Facility:

805 MW gas-fired, 2 x 1 combined-cycle, electric generating facility

Location:

26-acre industrially-zoned site located in the town of Oxford, Connecticut

Electrical Interconnection:

Connecticut Light & Power ("CL&P") 115KV circuit between Baldwin Junction and Beacon Falls

Capacity:

805 MW

Fuel:

Natural gas from Algonquin Interstate Pipeline, Fuel-Oil Backup

Facility Online:

2018

www.cpvtowanttic.com



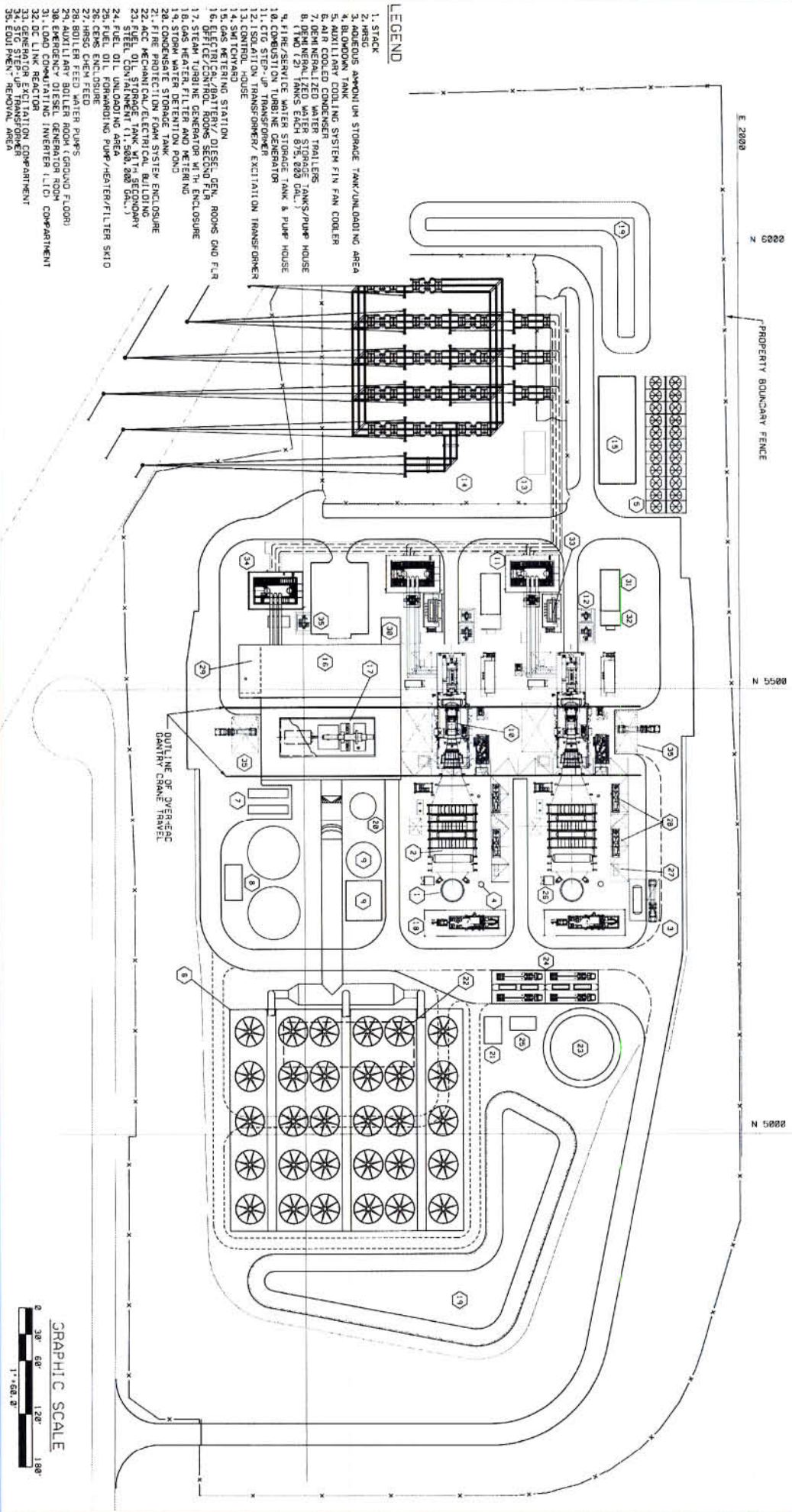
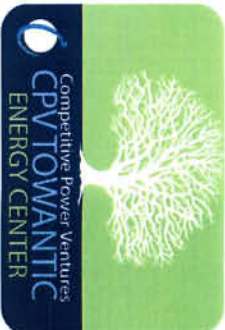
Project Rendering

CPV TOWANTIC



Project Schematic

CPV TOWANTIC



LEGEND

1. STACK
2. AQUEOUS AMMONIUM STORAGE TANK/UNLOADING AREA
3. BLOWDOWN TANK
4. AUXILIARY COOLING SYSTEM FIN FAN COOLER
5. AIR COOLED CONDENSER
6. DEHUMIDIFIED WATER STORAGE TANKS/PUMP HOUSE
7. CONDENSATE STORAGE TANK
8. FINE PROTECTION FAN SYSTEM ENCLOSURE
9. FINE SERVICE WATER STORAGE TANK & PUMP HOUSE
10. COMBUSTION TURBINE GENERATOR
11. CTG STEP-UP TRANSFORMER
12. ISOLATION HOUSE
13. ISOLATION HOUSE
14. SW TOWER
15. GAS METERING STATION
16. ELECTRICAL BATTERY/ DIESEL GEN. ROOMS AND F.R.
17. STEAM TURBINE GENERATOR WITH ENCLOSURE
18. GAS HEATER, FILTER AND METERING
19. STORM WATER DETENTION POND
20. CONDENSATE STORAGE TANK
21. FINE PROTECTION FAN SYSTEM ENCLOSURE
22. FINE PROTECTION FAN SYSTEM ENCLOSURE
23. FINE PROTECTION FAN SYSTEM ENCLOSURE
24. FUEL OIL STORAGE TANK (1,500,000 GAL.)
25. FUEL OIL UNLOADING AREA
26. FUEL OIL FORMULATING PUMP/HEATER/FILTER SHED
27. FUEL OIL STORAGE TANK (1,500,000 GAL.)
28. BOILER FEED WATER PUMPS
29. HRSG CHEM FEED
30. EMERGENCY DIESEL GENERATOR ROOM
31. LOAD COMPENSATING INVERTER (LICI) COMPARTMENT
32. GENERATOR EXCITATION COMPARTMENT
33. CTG STEP-UP TRANSFORMER
34. GENERATOR EXCITATION COMPARTMENT
35. EQUIPMENT REMOVAL AREA



Updates to the Existing Approved Project

- ✓ GE Technology Update
 - *Increased output within same basic footprint – including incorporating duct firing*
 - *Energy efficiency and associated emissions improvements*
 - *Improved startup, ramp rates and fuel switching for flexibility while maintaining optimal performance*
- ✓ Stack Location Re-Positioning
- ✓ Addition of Parcel 9A
- ✓ Elimination of Large Over-Building and Reduced ACC Height
- ✓ Updates reflecting regulatory and other changes



New England's Power Needs

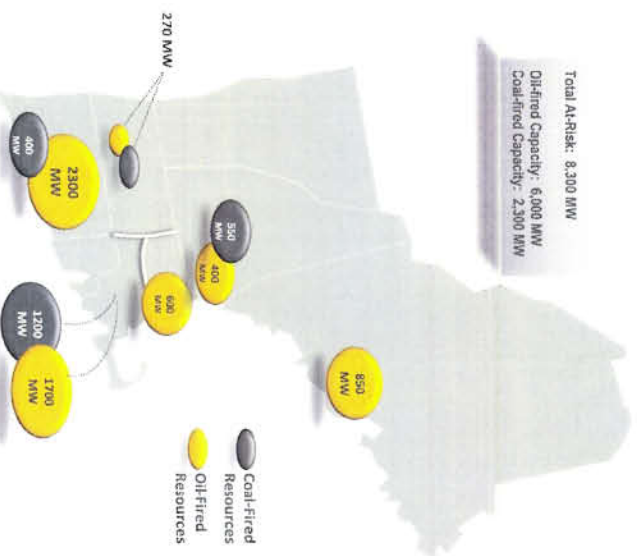
CPV TOWANTIC



Potential Retirements

- ✓ ISO-New England is the grid operator that manages Connecticut's electric system.
- ✓ ISO-New England's Generation Retirement Study identifies significant electric generation at-risk of retirement by 2020.
- ✓ 28 generating units at 14 power plants totaling 8,281 MW are at-risk or have announced retirement by 2020 in New England.
- ✓ In Connecticut, ten generating units at five power plants totaling 2,715 MW are at-risk or have announced retirement by 2020.
- ✓ Connecticut at-risk generating units will average over 55 years in age by 2020.
- ✓ Under current assumptions, at least 2,350 MW would need to be replaced in Connecticut to maintain reliability.
- ✓ 2,350 MW is enough to power over 2 million homes.
- ✓ ISO-New England's recent rule changes will accelerate the retirement of aging, inefficient generating units unable to support the needs of a 21st century electric grid, and incent the construction of new flexible electric generation.

At-Risk Capacity Resources in New England



* 2014 Regional Electricity Outlook
Independent System Operator of New England

What is the Grid Operator Saying?

"The challenges to grid reliability are not a question of if they will arise, but when - and when is now."

"The large number of resource retirements-nearly 10% of the region's total capacity-announced in just the past few months has caused a dramatic shift in the region's power supply landscape. The region abruptly went from a capacity surplus and low prices in previous auctions to a capacity shortfall and relatively high prices. The slim capacity margin and the resulting auction prices are a clear signal to the marketplace that the region needs more power generation and demand reduction capacity."

- Gordon van Welie, CEO, ISO-NE

Retirements Driving High Prices

Recent retirements of aging power plants such as Brayton Point Power Station (MA), Vermont Yankee Nuclear Power Plant (VT) and Norwalk Harbor Power Station (CT) contributed to the cost of electric capacity purchased in regional auctions increased by over 200%, from \$1.06 billion in 2013 to over \$3 billion in 2014.

Prepare Now

The challenging nature of power plant development has resulted in a severe shortfall of advanced development projects ready to respond to retirements and fulfill Connecticut and New England's electricity demand.

The timelines associated with developing and constructing new generation facilities necessitate that projects be put in motion well in advance of expected retirements and demand growth.