



February 12, 2021

Melanie Bachman,
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Wheelabrator Lisbon Inc. –Wheelabrator Lisbon Resource Recovery Facility Ten-Year Forecast of Connecticut Electric Loads and Resources for the CT Siting Council Review - 2020 Report

Dear Ms. Bachman:

Wheelabrator Lisbon Inc. hereby submits information to the Connecticut Siting Council as described in Connecticut General Statute 16-50r as defined in section 16-1. As described in past reports, we are a Waste to Energy facility that produces power supplied to the grid operated by the regulated utility companies. Thus we are not responsible for the transmission lines and load. Our responses are limited to the power we produce through our Operations here at the Facility.

1. A tabulation of estimated peak loads, resources and margins.

We are a 16 MW (nominal) electric generating facility located in Lisbon, Connecticut. The facility supplies power to the grid from one steam powered turbine from the combustion of Municipal Solid Waste (MSW). The alternate fuel is propane that is used for startup/shutdown and as needed to improve combustion during MSW Fuel deficiencies. Propane usage is limited to not exceed 10% in accordance to our air permit. The byproducts of the power generated include Ash that is shipped to the Putnam Ash Monofil, air emission that are regulated by CTDEEP under our Title V permit and ferrous metal that is recovered and sold to a recycler.

Wheelabrator Lisbon's twenty-five year Power Purchase Agreement with Eversource expired on December 18, 2020. On December 19, 2020, the facility started participating in the ISONE market selling in the day ahead market under Wheelabrator North Andover Certification as Lead Market participant. We have two boilers rated at 72,000 lbs/hr @ 900 psig and 830°F. The power generated at the facility is synchronized to the grid and we are subject to 750 hours/year of curtailed power load restrictions.

2. Data on use and peak loads for the preceding years.

Wheelabrator sales of wholesale energy are as follows:

Year	Energy produced (MWhr)		
2011	111,176	2016	111,433
2012	110,453	2017	108,366
2013	109,974	2018	95,565
2014	109,387	2019	97,994
2015	107,328	2020	102,073

3. A list of existing facilities in service.

One 16 MW facility in at 425 South Burnham Hwy, Lisbon CT.

4. A list of scheduled generating facilities for which property has been acquired, for which certificates have been issued and for which certificate applications have been filed.

None

5. A list of planned generating units at the plant locations for which property has been acquired.

None

6. A list of planned transmission lines on which proposed route reviews are being undertaken or for which certificates applications have already been filed.

None

7. A description of the steps taken to upgrade existing facilities.

None, other than planned maintenance

8. For each private power producer having a facility generating more than one megawatt and from whom the person furnishing the report has purchased electricity during the preceding calendar year, a statement including the name, location, size and type of generating facility, the fuel consumed by the facility and the byproduct of combustion.

Not applicable

If you have any questions or require additional information, please do not hesitate to me at 860-885-3512 x 212

Sincerely,


John Horgan
Plant Manager