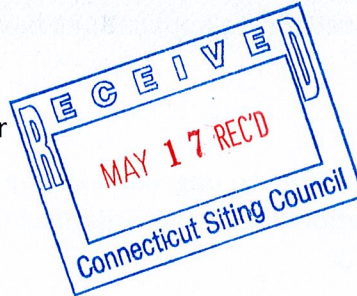


QUANTUM BIOPOWER, LLC
RESPONSE TO THE CONNECTICUT SITING COUNCIL
CONNECTICUT SITING COUNCIL REVIEW OF THE TEN-YEAR FORECAST OF CONNECTICUT
ELECTRIC LOADS AND RESOURCES. 2021 FORECAST REPORTS – ELECTRIC GENERATING
FACILITIES

April 27, 2021

Melanie A. Bachman, Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051



Executive Director Bachman:

This is in response to the Siting Council's *Connecticut Siting Council Review of the Ten-Year Forecast of Connecticut Electric Loads and Resources*. 2021 Forecast Reports – Electric Generating Facilities issued on March 26, 2021 and pursuant to Connecticut General Statutes (CGS) §16-50r. Quantum Biopower, LLC constructed, built and operates a one megawatt (or 1.2 megawatt?) anaerobic digestion facility located in Southington, Connecticut.

Quantum Biopower is operates a 1.2MW Combined Heat and Power Unit that is fueled from methane created from recycled food waste through its anaerobic digestion process. Quantum processes 40,000 tons per year of food waste created methane under natural conditions. Quantum's facility is both an energy generating facility and a critical recycling facility designed to tackle the State of Connecticut's food waste recycling needs.

Following are Quantum Biopower's responses to questions posed in the Notice:

(1) A tabulation of estimated peak loads, resources and margins for each year

Please see the attached Appendix A

(2) data on energy use and peak loads for the five preceding calendar years

Please see the attached Appendix A

(3) a list of existing generating facilities in service

Anaerobic Digestion facility and CHP – 49 DePaolo Drive, Southington, CT 06489

(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.

APPENDIX A

Date		Monthly Average CHP Generation (KW)	Peak Load on CHP (KW)	Monthly Margin to Grid (KW)
2018	Apr	551	826	337
2018	May	445	1038	319
2018	Jun	487	1086	362
2018	Jul	665	1044	505
2018	Aug	134	819	93
2018	Sep	492	1151	374
2018	Oct	798	1155	589
2018	Nov	607	1117	414
2018	Dec	582	875	355
2019	Jan	625	971	359
2019	Feb	808	1104	545
2019	Mar	789	1125	544
2019	Apr	727	1066	518
2019	May	934	1188	711
2019	Jun	589	1017	408
2019	Jul	607	916	406
2019	Aug	591	886	386
2019	Sep	579	762	370
2019	Oct	693	1028	493
2019	Nov	926	1147	659
2019	Dec	606	890	346
2020	Jan	751	847	458
2020	Feb	690	876	396
2020	Mar	458	711	249
2020	Apr	752	985	483
2020	May	394	807	238
2020	Jun	151	679	151
2020	Jul	200	652	116
2020	Aug	710	1041	500
2020	Sep	505	787	301
2020	Oct	568	905	333
2020	Nov	591	836	345
2020	Dec	467	768	252