Electric Generating Unit Standard Permit
Technical Review

Company	**Wattbridge Energy Llc**	Registration Number	**167032**
City	**Huffman**	Project Number	**335111**
County	**Harris**	Regulated Entity Number	**RN111366449**
Project Type	**Standard Permit Application**	Customer Reference Number	**CN605951557**
Project Reviewer	**Arianna Granado**		
Site Name	**Elmax Power Station**		

Project Description
WattBridge Energy LLC is proposing to build and operate the Elmax Power Station plant in Huffman, Harris County, Texas. The Elmax Power station is an electric generating station that will burn natural gas in simple cycle combustion turbines and ancillary equipment to produce electricity. A PI-1S was submitted to authorize Elmax Power Station to produce electricity from 6 natural gas-powered simple cycle combustion turbines and ancillary equipment operated up to 8,760 hours per year. Facilities authorized under this registration include six (6) natural gas fired simple cycle General Electric (GE) LM6000, normally rated at 50 megawatts (MW) output. Turbines will operate under a power purchase agreement (PPA) and the combustion turbines will be dispatched to meet the needs of the contracted power offtaker. Ancillary equipment includes the following: oxidation catalyst (VOC/CO emissions reduction); water injection, SCR, and ammonia handling systems (NOx emissions reduction); lube oil recirculation, hydraulic oil systems; and piping fugitives. Various MSS activities will also be conducted. Operations will comply with NSPS KKKK requirements for turbines, and allocations for the NOx Mass Cap and Trade Program will be obtained as necessary.

Compliance History Evaluation	
A compliance history report was reviewed on:	**November 10, 2021**
Site rating & classification:	**N/A**
Company rating & classification:	**N/A**
If site was rated unsatisfactory, what action(s) occurred as a result: (i.e. changes to permit, reduced renewal period, etc.)	**N/A**

General Rules Check	**Comments**
Does the project trigger PSD or NA review?	* No
Is the facility taking an operational limit to meet the Standard Permit? If yes, describe how this project is not circumventing major NSR permitting. (30 TAC §116.110)	* Yes * No

Standard Permit Rules Check	**Comments**
Type of unit being authorized	*Engine(s) *Turbine(s)
Fees	* < 1 MW $100 * ≥ 1 MW $900
Combined Heat and Power (if taking credit)	N/A
Fuel	* Natural gas (<10 grains total sulfur per 100 dscf) * Landfill gas, digester gas, stranded oilfield gas, gaseous renewable fuel (<30 grains total sulfur per 100 dscf) * Liquid fuel/liquid renewable fuel (no waste oils or solvents, <0.05% by weight sulfur)

NO_x emission limitation (in lb/MWh)	* >10 MW per unit *>300 hrs/yr – 0.14 lb/MWhr
Maintenance, Startup, and Shutdown	Maintenance activities will be authorized either by PBR or De Minimis. Emissions from planned startup and shutdown will be authorized by this permit. Combustion emission factors used when developing the standard permit included enough conservatism to account for incidental increases that could occur during startup and shutdown.



December 15, 2021

Project Reviewer
Arianna Granado

Date



Team Leader
Britany Gilman

December 20, 2021

Date