



**GOVERNMENT OF PUERTO RICO
PUBLIC SERVICE REGULATORY BOARD
PUERTO RICO ENERGY BUREAU**

**IN RE: HIGHLY EFFICIENT FOSSIL
GENERATION DEFINITION**

CASE NO.: CEPR-MI-2016-0001

SUBJECT: Resolution updating emission standards.

RESOLUTION

I. Introduction

On March 20, 2019, the Energy Bureau of the Puerto Rico Public Service Regulatory Board (“Energy Bureau”) issued a Resolution in the instant case (“March 20, 2019 Resolution”) through which it adopted the definition of the term “Highly Efficient Fossil Fuel Generation”, as required by Article 6.29 of Act 57-2014.¹

According to the definition, a generation unit is considered “Highly Efficient” if it meets two requirements: (1) the yearly unit total cost of generating electricity cannot exceed \$100/MWh (i.e. \$0.10/kWh) adjusted to 2018 dollars (“Cost Requirement”); and (2) the average annual rate of carbon dioxide emissions from the generating unit, as measured in pounds per megawatt-hour (lbs/MWh), is lower than the United States nationwide average for plants with the same primary fuel and primary fuel generation category as reported in the U.S. Environmental Protection Agency’s (“EPA”) Emissions & Generation Resource Integrated Database (“eGRID”) (or successor source) for the most recent year in which data is available (“Emissions Requirement”).

The Energy Bureau also established that, at that time, the average annual rate of carbon dioxide emissions for the most recent year in which data is available were as follows:

Fuel Type	Average annual rate of CO₂ emissions (lbs/MWh)
Coal	1,998
Residual Fuel Oil	1,720
Diesel Fuel	2,161
Natural Gas	1,201

These limits were based on the eGRID data corresponding to the year 2016.² In the March 20, 2019 Resolution, the Energy Bureau stated that it may modify the referenced limits based on updates to the eGRID (or successor) data.

¹ Known as *The Puerto Rico Energy Transformation and RELIEF Act*, as amended.

² See <https://www.epa.gov/energy/emissions-generation-resource-integrated-database-egrid>.

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On January 28, 2020 the EPA issued the eGRID corresponding to the year 2018 (“eGRID 2018 Report”).³ On March 9, 2020, the EPA updated the eGRID 2018 Report (“Updated Report”).⁴ Based on the Updated Report, the Energy Bureau **DETERMINES** that it is necessary to modify the emission limits that fossil generation units must meet in order to be considered “Highly Efficient”.

II. New Emission Limits

The Energy Bureau hereby modifies, as follows, the emission limits that generation units must meet in order to comply with the Emissions Requirement of the definition of the term “Highly Efficient Fossil Fuel Generation”:

Fuel Type	Average annual rate of CO ₂ emissions (lbs/MWh) ⁵
Coal	2,187
Residual Fuel Oil	1,930
Diesel Fuel	2,681
Natural Gas	1,433

These limits will apply to the report corresponding to the year 2019 and subsequent years. The Energy Bureau may update the above limits based on updates to the eGRID (or successor) data. The remaining components of the definition of the term “Highly Efficient Fossil Fuel Generation” remain unaltered.


Be it published.



³ See <https://www.epa.gov/energy/emissions-generation-resource-integrated-database-egrid>.

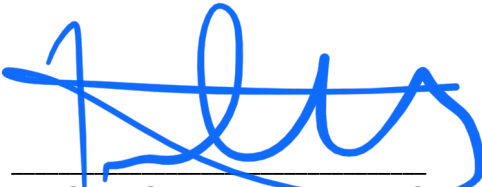
⁴ See <https://www.epa.gov/egrid/download-data>, visited on October 6, 2020.

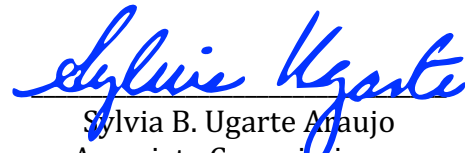
⁵ Source: “egrid2018_data_v2.xlsx”, Tab “PLNT18”, Column “BA”, “Plant annual CO₂ total output emission rate (lb/MWh)”, available at <https://www.epa.gov/egrid/download-data>, visited on October 20, 2020.


Edison Avilés Deliz
Chair


Ángel R. Rivera de la Cruz
Associate Commissioner


Lillian Mateo Santos
Associate Commissioner


Ferdinand A. Ramos Soegaard
Associate Commissioner


Sylvia B. Ugarte Araujo
Associate Commissioner

CERTIFICATION

I hereby certify that the majority of the members of the Puerto Rico Energy Bureau has so agreed on November 6, 2020 and I have proceeded with the filing of the Resolution. For the record, I sign this in San Juan, Puerto Rico, today November 6, 2020.


Wanda I. Cordero Morales
Clerk

