PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT
Florida Department of Environmental Protection
Division of Air Resource Management, Office of Permitting and Compliance
Draft Air Permit No. 0170004-047-AC
Duke Energy Florida Citrus Combined Cycle Project
Citrus County, Florida

Applicant: The applicant for this project is Duke Energy Florida, Inc. (DEF). The applicant's authorized representative and mailing address is: Mr. R. Alexander Glenn, Duke Energy Florida, Inc., 299 First Avenue North, St. Petersburg, Florida 33701.

Facility Location: The DEF Crystal River Energy Complex (CREC) is located at 15760 West Power Line Street, Crystal River in Citrus County, Florida. The DEF Citrus Combined Cycle Project (CCCP) will be located North of Crystal River, West of U.S. 19 and east of the DEF CREC.

Project: DEF proposes to construct a nominal 1,640 megawatt (MW) natural gas-fueled combined cycle facility on property adjacent to the existing CREC. The project includes the retirement of Crystal River coal-fueled Units 1 and 2. The CCCP will consist of two power blocks designated as CCCP Units 1 and 2. Each power block will consist of two Mitsubishi 501 GAC combustion turbine-electric generators (CTGs), two heat recovery steam generators (HRSGs) equipped with duct burners and a steam turbine electric generator (STG). Ancillary equipment includes: an auxiliary boiler; two natural gas-fired fuel gas dew point heaters; two ultra-low sulfur diesel (ULSD) fueled emergency generators; one ULSD fueled emergency firewater pump engine; two mechanical draft cooling towers; and two CTG inlet chiller cooling towers. The CCCP will be permitted to operate continuously.

A Prevention of Significant Deterioration (PSD) review and determinations of Best Available Control Technology (BACT) were not required pursuant to the Rule 62-212.400, Florida Administrative Code (F.A.C). Details of the project are provided in the application and the Technical Evaluation and Preliminary Determination available at the following Department link:

www.dep.state.fl.us/Air/emission/construction/Duke-CCCP.htm

The CTGs are subject to the emission standards contained in Title 40 Code of Federal Regulations, Part 60 (40 CFR 60), Subpart KKKK-Standards of Performance for Stationary Combustion Turbines (Department Rule 62-204.800(8)(b)81, F.A.C.)

Nitrogen oxides (NO_X) formation in the CTGs will be minimized through lean premixed fuel combustion (Dry Low NO_X). NO_X emissions will be further controlled by Selective Catalytic Reduction (SCR) systems with ammonia injection. Emissions of carbon monoxide (CO), particulate matter (PM/PM_{10}), sulfuric acid mist (SAM), sulfur dioxide (SO_2), and volatile organic compounds (VOC) will be minimized by the efficient, high-temperature combustion of inherently clean fuels. Continuous emission monitoring systems (CEMS) will be used to continuously measure and demonstrate compliance with the permitted NO_X emission standards.

Emissions from ancillary equipment will be controlled by use of inherently clean fuels and the requirements of the applicable New Source Performance Standards at 40 CFR 60 and the National Emission Standards for Hazardous Air Pollutants at 40 CFR 63.

The lower NO_X emissions will reduce ozone (smog) formation potential and nitrate fallout into local watersheds. The lower $PM/PM_{10}/PM_{2.5}$, SO_2 and SAM emissions will reduce visible stack emissions, acid deposition, and regional haze. There will be significant decreases in hazardous air pollutants (HAP), including hydrogen chloride (HCl), mercury and other metallic HAP. The effects on ambient air quality due to the project are all favorable.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-212, F.A.C. The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Division of Air Resource Management's (DARM) Office of Permitting and Compliance is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 2600 Blair Stone Road, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/717-9000.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may

contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available at the following link: www.dep.state.fl.us/Air/emission/construction/Duke-CCCP.htm

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be *received* by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 14-day period. If timely received comments result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. A petition for administrative hearing must contain the information set forth below and must be filed (received) with the Agency Clerk in the Office of General Counsel, 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000, Agency.Clerk@dep.state.fl.us, before the deadline. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, any email address, telephone number and any facsimile number of the petitioner; the name, address any email address, telephone number, and any facsimile number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Public Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation: Mediation is not available in this proceeding.

(Public Notice to be Published in the Newspaper)