



Dianne M. Triplett

ASSOCIATE GENERAL COUNSEL
Duke Energy Florida, Inc.

April 1, 2015

via electronic delivery

Ms. Carlotta Stauffer, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

*Re: Petition for Approval of Amended Standard Offer Contract (Schedule COG-2) and
Amended Interconnection Agreement; Docket No. _____*

Dear Ms. Stauffer:

Pursuant to Rules 25-17.0832(4), and 25-17.087(10), F.A.C., enclosed for filing on behalf of Duke Energy Florida, Inc., is a Petition for Approval of Amended Standard Offer Contract (Schedule COG-2) based on a combustion turbine avoided unit, and Amended Interconnection Agreement.

Thank you for your assistance in this matter. Should have any questions, please feel free to contact me at (727) 820-4692.

Sincerely,

s/ Dianne M. Triplett
Dianne M. Triplett

DMT/at
Enclosures

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Petition of Duke Energy
Florida for approval of amended
standard offer contract (Schedule
COG-2) and amended
interconnection agreement.

Docket No. _____

Submitted for filing:
April 1, 2015

PETITION

Duke Energy Florida, Inc. (“DEF” or “the Company”), pursuant to Sections 366.051 and 366.91(3), F.S., and Rules 25-17.0832(4) and 25-17.087(10), F.A.C., hereby petitions the Florida Public Service Commission (“the Commission”) for approval of DEF’s Amended Standard Offer Contract and Amended Interconnection Agreement. The Amended Standard Offer Contract is attached hereto in standard format as Exhibit A and in legislative format as Exhibit B. The Amended Interconnection Agreement is attached hereto in standard format as Exhibit D and in legislative format as Exhibit E. In support of this petition, DEF submits the following:

1. DEF is a public utility subject to the regulatory jurisdiction of the Commission pursuant to Chapter 366, F.S. The Company’s principal place of business is located at 299 First Avenue North, St. Petersburg, Florida 33701.

2. All notices, pleadings and correspondence required to be served on the petitioner should be directed to:

Dianne M. Triplett
Post Office Box 14042
St. Petersburg, FL 33733-4692
(727) 820-4692

Matthew R. Bernier
106 East College Avenue, Suite 800
Tallahassee, FL 32301
(850) 521-1428

For express deliveries by private carrier, please use the address in paragraph 1 above.

3. The Amended Standard Offer Contract attached hereto is consistent with Commission Rule 25-17.0832(4)-(6), F.A.C., governing standard offer

contracts and tariffs. The avoided unit, on which the proposed standard offer contract is based, is an undesignated 811 MW combustion turbine fueled by natural gas with a scheduled in-service date of June 1, 2024. The changes from the most recent standard offer are shown in underline and strike-through format in Exhibit B and affects the following sheets: 9.406, 9.407, 9.408, 9.410, 9.411, 9.412, 9.413, 9.415, 9.416, 9.422, 9.425, 9.426, 9.427, 9.428, 9.440, 9.442, 9.445, 9.455, 9.457, 9.458, 9.467 and 9.468. The attached Exhibit C contains the economic and financial assumptions for the cost parameters and the K Factor of the combustion turbine unit on which the amended standard offer contract is based.

4. The proposed Amended Standard Offer Contract is required to be filed pursuant to Section 366.91(3), F.S., which states that “[o]n or before January 1, 2006, each public utility must continuously offer a purchase contract to producers of renewable energy.” Pursuant to Chapter 366.91(3), F.S., DEF hereby submits its Amended Standard Offer Contract attached as Exhibit A for approval. The Amended Standard Offer Contract will be continuously offered, will have a term of 10 to 35 years, and will not have a subscription limit. The Amended Standard Offer Contract meets the requirements set forth in Section 366.91(3), F.S.

5. Also included with this filing is an Amended Interconnection Agreement pursuant to Rule 25-17.087(10), F.A.C., which requires utilities to file a standard interconnection agreement as part of their standard offer contract required by Rule 25-17.0832(3), F.A.C. The Amended Interconnection Agreement is attached hereto in standard format as Exhibit D. The changes from the most recent interconnection agreement are shown in underline and strike-through format in Exhibit E and affects the following sheets: 9.703, 9.704, 9.705, 9.706, 9.707, 9.708, 9.709 and 9.710.

WHEREFORE, for the above-stated reasons, DEF respectfully requests that the Commission grant this petition and approve the Amended Standard Offer Contract in Exhibit A, and the Amended Interconnection Agreement in Exhibit D, filed with this petition.

Respectfully Submitted,

/s/ Dianne M. Triplett

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**AMENDED STANDARD OFFER CONTRACT
(Clean copy)**

Tariff Sheets:

9.406, 9.407, 9.408, 9.410, 9.411, 9.412, 9.413, 9.415, 9.416, 9.422, 9.425,
9.426, 9.427, 9.428, 9.440, 9.442, 9.445, 9.455, 9.457, 9.458, 9.467 and 9.468

“Base Capacity Payment” or “BCP” means capacity payment rates defined in Appendix D and further defined by the selection of Option A,B,C or D in Section 9.2 or in Appendix E if applicable.

“Base Year” means the year that this Contract was approved by the FPSC.

“Business Day” means any day except a day upon which banks licensed to operate in the State of Florida are authorized, directed or permitted to close, Saturday, Sunday or a weekday that is observed as a public holiday in the State of Florida.

“CAMD” means the Clean Air Markets Division of the Environmental Protection Agency or successor administrator (collectively with any local, state, regional, or federal entity given jurisdiction over a program involving transferability of Environmental Attributes).

“Capacity” means the minimum average hourly net capacity (generator output minus auxiliary load) measured over the Committed Capacity Test Period.

“Capacity Delivery Date” means the first calendar day immediately following the date of the Facility's successful completion of the first Committed Capacity Test.

“Capacity Payment” means the payment defined in Section 9.2 and Appendix A.

“Committed Capacity” or “CC” means the capacity in MW that the RF/QF commits to sell to DEF, the amount of which shall be determined in accordance with Section 7.

“Committed Capacity Test” means the testing of the capacity of the Facility performed in accordance with the procedures set forth in Section 8.

“Committed Capacity Test Period” means a test period of twenty-four (24) consecutive hours.

“Completed Permits Date” means the date by which the RF/QF must complete licensing and certification, and obtain all federal, state and local governmental, environmental, and licensing approvals required to initiate construction of the Facility including Qualifying Facility status. This date is specified in Section 4.

“Completion/Performance Security” means the security described in Section 11.

“Conditions Precedent” shall have the meaning assigned to it in Section 5.

“Contract” means this standard offer contract for the purchase of Firm Capacity and Energy from a Renewable Energy Producer or Qualifying Facility with a nameplate capacity of less than 100 kW.

“Credit Support Provider” means any Person that has provided an RF/QF Guarantee in connection with this Agreement.

“Creditworthy” with respect to a Party or its Credit Support Provider, as applicable, means a party is rated at least BBB by Standard & Poor’s (S&P), or at least Baa3 by Moody’s Investor Services (Moody’s). Rating shall be the unsecured, senior long-term debt rating, (not supported by third party credit enhancement) or the issuer rating will be used if not available. If a Party or its Credit Support Provider, as applicable, is rated by both S&P and Moody’s, then the lower of the two ratings will apply.

“DEF” has the meaning assigned to it in the opening paragraph of this Contract.

“DEF Entities” has the meaning assigned to it in Section 16.

“Demonstration Period” means a sixty-hour period in which the Committed Capacity Test must be completed.

“Distribution System” means the distribution system consisting of electric lines, electric plant, transformers and switchgear used for conveying electricity to ultimate consumers, but not including any part of the Transmission System.

“Dispute” shall have the meaning assigned to it in Section 20.9.

“Drop Dead Date” means the date which is twelve (12) months following the Execution Date.

“Eastern Prevailing Time” or “EPT” means the time in effect in the Eastern Time Zone of the United States of America, whether Eastern Standard Time or Eastern Daylight Savings Time.

“Effective Date” has the meaning assigned to it in Section 5.

“Electrical Interconnection Point” means the physical point at which the Facility is connected with the Transmission System or, if RF/QF interconnects with a Transmission System other than DEF’s, DEF’s interconnection with the Transmission Provider’s Transmission System, or such other physical point on which RF/QF and DEF may agree.

“Eligible Collateral” means (i) a Letter of Credit from a Qualified Institution (ii) a cash deposit provided to DEF by RF/QF or a combination of (i), and/or (ii) as outlined in Section 11.

“Energy” means megawatt-hours generated by the Facility of the character commonly known as three-phase, sixty hertz electric energy that is delivered at a nominal voltage at the Electrical Interconnection Point.

“Environmental Attributes” means all attributes of an environmental or other nature that are created or otherwise arise from the Facility’s generation of electricity from a renewable energy source in contrast with the generation of electricity using nuclear or fossil fuels or other traditional resources. Forms of such attributes include, without limitation, any and all environmental air quality credits, green credits, renewable energy credits (“RECs”), carbon credits, emissions reduction credits, certificates, tags, offsets, allowances, or similar products or rights, howsoever entitled, (i) resulting from the avoidance of the emission of any gas, chemical, or other substance, including but not limited to, mercury, nitrogen oxide, sulfur dioxide, carbon dioxide, carbon monoxide, particulate matter or similar pollutants or contaminants of air, water or soil gas, chemical, or other substance, and (ii) attributable to the generation, purchase, sale or use of Energy from or by the Facility, or otherwise attributable to the Facility during the Term. Environmental Attributes include, without limitation, those currently existing or arising during the Term under local, state, regional, federal, or international legislation or regulation relevant to the avoidance of any emission described in this Contract under any governmental, regulatory or voluntary program, including, but not limited to, the United Nations Framework Convention on Climate Change and related Kyoto Protocol or other programs, laws or regulations involving or administered by the Clean Air Markets Division of the Environmental Protection Agency (“CAMD”) or successor administrator (collectively with any local, state, regional, or federal entity given jurisdiction over a program involving transferability of Environmental Attributes.).

“Event of Default” has the meaning assigned to it in Section 14.

“Execution Date” has the meaning assigned to it in the opening paragraph of this Contract.

“Exemplary Early Capacity Payment Date” means the exemplary date used to calculate Capacity Payments for Option B and D. This date is specified in Section 4. The actual Capacity Payments for Option B and D will be calculated based upon the Required Capacity Delivery Date.

“Expiration Date” means the final date upon which this Contract can be executed. This date is specified in Section 4.

“Facility” means all equipment, as described in this Contract, used to produce electric energy and, and all equipment that is owned or controlled by the RF/QF required for parallel operation with the Transmission System. In the case of a cogenerator the Facility includes all equipment that is owned or controlled by the RF/QF to produce useful thermal energy through the sequential use of energy.

“IEEE” means the Institute of Electrical and Electronics Engineers, Inc.

“Indemnified Party” has the meaning assigned to it in Section 16.

“Indemnifying Party” has the meaning assigned to it in Section 16.

“Initial Reduction Value” has the meaning assigned to it in Appendix B.

“Insurance Services Office” has the meaning assigned to it in Section 17.

“KVA” means one or more kilovolts-amperes of electricity, as the context requires.

“kW” means one or more kilowatts of electricity, as the context requires.

“kWh” means one or more kilowatt-hours of electricity, as the context requires.

“Letter of Credit” means a stand-by letter of credit from a Qualified Institution that is acceptable to DEF whose approval may not be unreasonably withheld. The Letter of Credit must provide that DEF has the right to draw on the Letter of Credit in the event that less than twenty (20) Business Days remain until its expiration and RF/QF has failed to renew the Letter of Credit or provide replacement Eligible Collateral as required under this Agreement.

“LOI” means a letter of intent for fuel supply.

“Material Adverse Change” means any of the following events; (a) the RF/QF or its Credit Support Provider, if applicable, is no longer Creditworthy or (b) the RF/QF or its Credit Support Provider, if applicable, defaults on an aggregate of fifty million dollars (\$50,000,000) or five percent (5%) of equity, whichever is less.

“MCPC” means the Monthly Capacity Payment for Option A.

“Monthly Billing Period” means the period beginning on the first calendar day of each calendar month, except that the initial Monthly Billing Period shall consist of the period beginning 12:01 a.m., on the Capacity Delivery Date and ending with the last calendar day of such month.

“Monthly Availability Factor” or “MAF” means the total energy received during the Monthly Billing Period for which the calculation is made, divided by the product of Committed Capacity and the total hours during the Monthly Billing Period.

“Monthly Capacity Payment” or “MCP” means the payment for Capacity calculated in accordance with Appendix A.

“MW” means one or more megawatts of electricity, as the context requires.

“MWh” means one or more megawatt-hours of electricity, as the context requires.

“Option A” means normal Capacity Payments as described in Appendix D.

“Option B” means early Capacity Payments as described in Appendix D.

“Option C” means levelized Capacity Payments as described in Appendix D.

“Option D” means early levelized Capacity Payments as described in Appendix D.

“Party” or “Parties” has the meaning assigned to it in the opening paragraph of this Contract.

“Person” means any individual, partnership, corporation, association, joint stock company trust, joint venture, unincorporated organization, or Governmental Agency (or any department, agency, or political subdivision thereof).

“Project Consents” mean the following Consents, each of which is necessary to RF/QF for the fulfillment of RF/QF’s obligations hereunder:

- (a) the Authorization to Construct;
- (b) planning permission and consents in respect of the Facility, and any electricity substation located at the Facility site, including but not limited to, a prevention of significant deterioration permit, a noise, proximity and visual impact permit, and any required zoning permit; and
- (c) any integrated pollution control license.

“Project Contracts” means this Contract, and any other contract required to construct, operate and maintain the Facility. The Project Contracts may include, but are not limited to, the turnkey engineering, procurement and construction contract, the electrical interconnection and operating agreement, the fuel supply agreement, the facility site lease, and the operation and maintenance agreement.

“Prudent Utility Practices” means any of the practices, methods, standards and acts (including, but not limited to, the practices, methods and acts engaged in or approved by a significant portion of owners and operators of power plants of technology, complexity and size similar to the Facility in the United States) that, at a particular time, in the exercise of reasonable judgment in light of the facts known or that should reasonably have been known at the time a decision was made, could have been expected to accomplish the desired result and goals (including such goals as efficiency, reliability, economy and profitability) in a manner consistent with applicable facility design limits and equipment specifications and applicable laws and regulations. Prudent Utility Practice is not intended to be limited to the optimum practice, method or act to the exclusion of all others, but rather to be a spectrum of acceptable practices, methods or acts in each case taking into account the Facility as an independent power project.

“Qualifying Facility” or “QF” means a cogenerator, small power producer, or non-utility generator that has been certified or self-certified by the FERC as meeting certain ownership, operating and efficiency criteria established by the Federal Energy Regulatory Commission pursuant to the Public Utility Regulatory Policies Act of 1978 (“PURPA”), the criteria for which are currently set forth in 18 C.F.R. § 292, *et seq.* (2006), Section 210 of PURPA, 16 U.S.C. § 824a-3 (2005), 16 U.S.C. 796 *et seq.* (2006), and Section 1253 of EPAct 2005, Pub. L. No. 109-58, § 1253, 119 Stat. 594 (2005) or, alternatively, analogous provisions under the laws of the State of Florida.

“Qualified Institution” means the domestic office of a United States commercial bank or trust company or the United States branch of a foreign bank having total assets of at least ten billion dollars (\$10,000,000,000) (which is not an affiliate of either party) and a general long-term senior unsecured debt rating of A- or higher (as rated by Standard & Poor’s Ratings Group), or A3 or higher (as rated by Moody’s Investor Services).

“Rate Schedule COG-1” means DEF’s Agreement for Purchase of As-Available Energy and/or Parallel Operation with a Qualifying Facility as approved by the FPSC and as may be amended from time to time.

“REC” means renewable energy credits, green tags, green tickets, renewable certificates, tradable renewable energy credits (“T-REC”) or any tradable certificate that is produced by a renewable generator in addition to and in proportion to the production of electrical energy.

“Reduction Value” has the meaning assigned to it in Appendix B.

“Renewable Facility” or “RF/QF” means an electrical generating unit or group of units at a single site, interconnected for synchronous operation and delivery of electricity to an electric utility, where the primary energy in British Thermal Units used for the production of electricity is from one or more of the following sources: hydrogen produced from sources other than fossil fuels, biomass, solar energy, geothermal energy, wind energy, ocean energy, hydroelectric power or waste heat from a commercial or industrial manufacturing process.

“Required Capacity Delivery Date” means the date specified in Appendix E. In the event that no Required Capacity Delivery Date is specified in Appendix E then the RF/QF shall achieve the Capacity Delivery Date on or before the Avoided Unit In-Service Date

“RF/QF Entities” has the meaning assigned to it in Section 16.

“RF/QF Insurance” has the meaning assigned to it in Section 17.

“RF/QF Performance Security” has the meaning assigned in Section 11.

“Security Documentation” has the meaning assigned to it in Section 12.

“Term” has the meaning assigned to it in Section 3.

“Termination Date” means the date upon which this Contract terminates unless terminated earlier in accordance with the provisions hereof. This date is specified in Section 4.

“Termination Fee” means the fee described in Appendix B as it applies to any Capacity Payments made under Option B, C or D.

“Termination Security” has the meaning assigned to it in Section 12.

“Transmission Provider” means the operator(s) of the Transmission System(s) or any successor thereof or any other entity or entities authorized to transmit Energy on behalf of RF/QF from the Electrical Interconnection Point.

“Transmission System” means the system of electric lines comprised wholly or substantially of high voltage lines, associated system protection, system stabilization, voltage transformation, and capacitance, reactance and other electric plant used for conveying electricity from a generating station to a substation, from one generating station to another, from one substation to another, or to or from any Electrical Interconnection Point or to ultimate consumers and shall include any interconnection owned by the Transmission Provider or DEF, but shall in no event include any lines which the Transmission Provider has specified to be part of the Distribution System except for any distribution facilities required to accept capacity and energy from the Facility.



3. Term of Contract

Except as otherwise provided herein, this Contract shall become effective immediately upon its execution by the Parties and shall end at 12:01 a.m. on the Termination Date, (the “Term”) unless terminated earlier in accordance with the provisions hereof. Notwithstanding the foregoing, if the Capacity Delivery Date of the Facility is not accomplished by the RF/QF before the Required Capacity Delivery Date (or such later date as may be permitted by DEF pursuant to Section 7), this Contract shall be rendered null and void and DEF's shall have no obligations under this Contract.

4. Minimum Specifications and Milestones

As required by FPSC Rule 25-17.0832(4)(e), the minimum specifications pertaining to this Contract and milestone dates are as follows:

Avoided Unit	Undesignated Combustion Turbine
Avoided Unit Capacity	811 MW
Avoided Unit In-Service Date	June 1, 2024
Avoided Unit Heat Rate	10,399 BTU/kWh
Avoided Unit Variable O&M	0.0919¢ per kWh in mid-2015 dollars escalating annually at 2.50%
Avoided Unit Life	35 years
Capacity Payments begin	Avoided Unit In-Service Date unless Option B, or D is selected or amended in Appendix E
Termination Date	May 31, 2034 (10 years) unless amended in Appendix E
Minimum Performance Standards – On Peak Availability Factor*	94%
Minimum Performance Standards – Off Peak Availability Factor	94%
Minimum Availability Factor Required to qualify for a Capacity payment	74%
Expiration Date	April 1, 2016
Completed Permits Date	June 1, 2021
Exemplary Early Capacity Payment Date	January 1, 2022

* RF/QF performance shall be as measured and/or described in Appendix A.

5. Conditions Precedent

- (a) Unless otherwise waived in writing by DEF, on or before the Drop Dead Date, RF/QF shall satisfy the following Conditions Precedent:
- (i) RF/QF shall have obtained firm transmission service necessary to deliver Capacity and energy from the Facility to the Electrical Interconnection Point, in a form and substance satisfactory to RF/QF in its sole discretion;
 - (ii) RF/QF shall have obtained the Project Consents and any other Consents for which it is responsible under the terms hereof in a form and substance satisfactory to RF/QF in its sole discretion;
 - (iii) RF/QF shall have entered into Financing Documents relative to the construction of the Facility and have achieved Financial Closing in a form and substance satisfactory to RF/QF in its sole discretion;
 - (iv) RF/QF shall have entered into the Project Contracts in a form and substance satisfactory to RF/QF in its sole discretion;
 - (v) RF/QF shall have obtained insurance policies or coverage in compliance with Section 17;
 - (vi) Each Party shall have delivered to the other Party (i) a copy of its constitutional documents (certified by its corporate secretary as true, complete and up-to-date) and (ii) a copy of a corporate resolution approving the terms of this Contract and the transactions contemplated hereby and authorizing one or more individuals to execute this Contract on its behalf (such copy to have been certified by its corporate representative as true, complete and up-to-date);
 - (vii) RF/QF shall have obtained Qualifying Facility status from either the FPSC or FERC.
- (b) Promptly upon satisfaction of the Conditions Precedent to be satisfied, the Party having satisfied the same shall deliver to the other Party a certificate evidencing such satisfaction. DEF may waive the satisfaction of a Condition Precedent at its sole discretion. Such waiver must be made in writing. Subject to there being no Event of Default which has occurred and/or is continuing as of the date upon which the last of such certificates is delivered, the date of such last certificate shall constitute the effective date of this Contract (the “Effective Date”).
- (c) Unless all Conditions Precedent are satisfied on or before the Drop Dead Date or such Conditions Precedent are waived in writing, this Contract shall terminate on such date and neither Party shall have any further liability to the other Party hereunder.
- (d) RF/QF shall achieve the Capacity Delivery Date on or before the Required Capacity Delivery Date.

- 10.4** The Parties recognize that the intent of the availability factor in Section 4 of this Contract includes an allowance for scheduled outages, forced outages and forced reductions in the output of the Facility. Therefore, the RF/QF shall provide DEF with notification of any forced outage or reduction in output which shall include the time and date at which the forced outage or reduction occurred, a brief description of the cause of the outage or reduction and the time and date when the forced outage or reduction ceased and the Facility was able to return to normal operation. This notice shall be provided to DEF within seventy-two (72) hours of the end of the forced outage or reduction.

The RF/QF is required to provide the total electrical output to DEF except (i) during a period that was scheduled in Section 10.2, (ii) during a period in which notification of a forced outage or reduction was provided, (iii) during an event of Force Majeure or (iv) during a curtailment period as described in Section 10.5.5. In no event shall the RF/QF deliver any portion of their electrical output to a third party.

10.5 Dispatch and Control

10.5.1 Power supplied by the RF/QF hereunder shall be in the form of three-phase 60 hertz alternating current, at a nominal operating voltage of _____ volts (_____ kV) and power factor dispatchable and controllable in the range of 90% lagging to 90% leading as measured at the interconnection point to maintain system operating parameters, including power factor, as specified from time to time by DEF.

10.5.2 The RF/QF shall operate the Facility with all system protective equipment in service whenever the Facility is connected to, or is operated in parallel with, DEF's system, except for normal testing and repair in accordance with good engineering and operating practices as agreed by the Parties. The RF/QF shall provide adequate system protection and control devices to ensure safe and protected operation of all energized equipment during normal testing and repair. All RF/QF facilities shall meet IEEE and utility standards. The RF/QF shall have independent, third party qualified personnel test, calibrate and certify in writing all protective equipment at least once every twelve (12) months in accordance with good engineering and operating practices. A unit functional trip test shall be performed after each overhaul of the Facility's turbine, generator or boilers and results provided to DEF in writing prior to returning the equipment to service. The specifics of the unit functional trip test will be consistent with Prudent Utility Practices.

- 11.4** In the event that the (a) Capacity Delivery Date occurs before the Required Capacity Delivery Date and (b) the ACBF is equal to or greater than 94% for the first twelve (12) months following the Capacity Delivery Date then DEF will return the Completion/Performance Security to the RF/QF within ninety (90) days of the first anniversary of the Capacity Delivery Date. In the event that the Capacity Delivery Date does not occur before the Required Capacity Delivery Date then DEF shall immediately be entitled to draw down the Completion/Performance Security in full. In the event that the ACBF is less than 94% for any of the first twelve (12) months following the Capacity Delivery Date then DEF shall retain the Completion/Security until the ACBF is equal to or greater than 94% for 12 consecutive months. Upon the completion of twelve (12) consecutive months with the ACBF greater than or equal to 94% then DEF will return the Completion/Performance Security within ninety (90) days.
- 11.7** Reporting - RF/QF shall promptly notify DEF of any circumstance that results in RF/QF's failure to be in compliance with the RF/QF Performance Security Requirements of this Section 11. From time to time, at DEF's written request, RF/QF shall provide DEF with such evidence as DEF may reasonably request, that RF/QF Letter of Credit is in full compliance with this Contract.

12. Termination Fee and Security

- 12.1** In the event that the RF/QF receives Capacity Payments pursuant to Option B, Option C, or Option D of Appendix D or any Capacity Payment schedule in Appendix E that differs from a Normal Capacity Payment Rate as calculated in FPSC Rule 25-17.0832(6)(a), then upon the termination of this Contract, the RF/QF shall owe and be liable to DEF for the Termination Fee. The RF/QF's obligation to pay the Termination Fee shall survive the termination of this Contract. DEF shall provide the RF/QF, on a monthly basis, a calculation of the Termination Fee.
- 12.1.1** The Termination Fee shall be secured by the RF/QF by: (i) an unconditional, irrevocable, standby letter(s) of credit issued by a Qualified Institution in form and substance acceptable to DEF (including provisions (a) permitting partial and full draws and (b) permitting DEF to draw upon such Letter of Credit, in full, if such Letter of Credit is not renewed or replaced at least twenty (20) Business Days prior to its expiration date); (ii) a bond issued to DEF by a financially sound company in form and substance acceptable to DEF in its sole discretion; or (iii) a cash deposit with DEF (any of (i), (ii), or (iii), the "Termination Security").

12.1.2 DEF shall have the right and the RF/QF shall be required to monitor the financial condition of (i) the issuer(s) in the case of any Letter of Credit and (ii) the insurer(s), in the case of any bond. In the event the senior debt rating of any issuer(s) or insurer(s) has deteriorated to the extent that they fail to meet the requirements of a Qualified Institution, DEF may require the RF/QF to replace the letter(s) of credit or the bond, as applicable. In the event that DEF notifies the RF/QF that it requires such a replacement, the replacement letter(s) of credit or bond, as applicable, must be issued by a Qualified Institution, and meet the requirements of Section 12.1.1 within thirty (30) calendar days following such notification. Failure by the RF/QF to comply with the requirements of this Section 12.1.2 shall be grounds for DEF to draw in full on any existing Letter of Credit or bond and to exercise any other remedies it may have hereunder.

12.1.3 After the close of each calendar quarter (March 31, June 30, September 30, and December 31) occurring subsequent to the Capacity Delivery Date, upon DEF's issuance of the Termination Fee calculation as described in Section 12.1, the RF/QF must provide DEF, within ten calendar (10) days, written assurance and documentation (the "Security Documentation"), in form and substance acceptable to DEF, that the amount of the Termination Security is sufficient to cover the balance of the Termination Fee through the end of the following quarter. In addition to the foregoing, at any time during the term of this Contract, DEF shall have the right to request and the RF/QF shall be obligated to deliver within five (5) calendar days of such request, such Security Documentation. Failure by the RF/QF to comply with the requirements of this Section 12.1.3 shall be grounds for DEF to draw in full on any existing Letter of Credit or bond or to retain any cash deposit, and to exercise any other remedies it may have hereunder.

12.1.4 Upon any termination of this Contract following the Required Capacity Delivery Date, DEF shall be entitled to receive (and in the case of the Letter(s) of Credit or bond, draw upon such Letter(s) of Credit or bond) and retain one hundred percent (100%) of the Termination Security.

13. Performance Factor

DEF desires to provide an incentive to the RF/QF to operate the Facility during on-peak and off-peak periods in a manner that approximates the projected performance of the Avoided Unit. A formula to achieve this objective is attached as Appendix A.

14. Default

Notwithstanding the occurrence of any Force Majeure as described in Section 18, each of the following shall constitute an Event of Default:

- (a) the RF/QF changes or modifies the Facility from that provided in Section 2 with respect to its type, location, technology or fuel source, without the prior written approval of DEF;
- (b) after the Capacity Delivery Date, the Facility fails for twelve (12) consecutive months to maintain an Annual Capacity Billing Factor, as described in Appendix A, of at least seventy four percent (74%);
- (c) the RF/QF fails to satisfy its obligations to maintain sufficient fuel on the site of the Facility to deliver the capacity and energy associated with the Committed Capacity for an uninterrupted seventy-two-(72) hour period under Section 10.5.6 hereof;
- (d) the failure to make when due, any payment required pursuant to this Contract if such failure is not remedied within three (3) Business Days after written notice.
- (e) either Party, or the entity which owns or controls either Party, ceases the conduct of active business; or if proceedings under the federal bankruptcy law or insolvency laws shall be instituted by or for or against either Party or the entity which owns or controls either Party; or if a receiver shall be appointed for either Party or any of its assets or properties, or for the entity which owns or controls either Party; or if any part of either Party's assets shall be attached, levied upon, encumbered, pledged, seized or taken under any judicial process, and such proceedings shall not be vacated or fully stayed within thirty (30) calendar days thereof; or if either Party shall make an assignment for the benefit of creditors, or admit in writing its inability to pay its debts as they become due;
- (f) the RF/QF fails to give proper assurance of adequate performance as specified under this Contract within thirty (30) calendar days after DEF, with reasonable grounds for insecurity, has requested in writing such assurance;
- (g) the RF/QF fails to achieve licensing, certification, and all federal, state and local governmental, environmental, and licensing approvals required to initiate construction of the Facility by no later than the Completed Permits Date;
- (h) the RF/QF fails to comply with the provisions of Section 11 hereof;
- (i) any of the representations or warranties, including the certification of the completion of the Conditions Precedent, made by either Party in this Contract is false or misleading in any material respect as of the time made;

- (j) if, at any time after the Capacity Delivery Date, the RF/QF reduces the Committed Capacity due to an event of Force Majeure and fails to repair the Facility and reset the Committed Capacity to the level set forth in Section 7.2 (as such level may be reduced by Section 7.4) within twelve (12) months following the occurrence of such event of Force Majeure; or
- (k) either Party breaches any material provision of this Contract not specifically mentioned in this Section 14;
- (l) the RF/QF fails to maintain its status as a Qualifying Facility.

15. Rights in the Event of Default

15.1 Upon the occurrence of any of the Events of Default in Section 14, the DEF may, at its option:

15.1.1 immediately terminate this Contract, without penalty or further obligation, except as set forth in Section 15.2, by written notice to the RF/QF, and offset against any payment(s) due from DEF to the RF/QF, any monies otherwise due from the RF/QF to DEF;

15.1.2 enforce the provisions of the Completion/Performance Security pursuant to Section 11 and/or the Termination Security requirement pursuant to Section 12 hereof, as applicable; and

15.1.3 exercise any other remedy(ies) which may be available to DEF at law or in equity.

15.2 Termination shall not affect the liability of either Party for obligations arising prior to such termination or for damages, if any, resulting from any breach of this Contract.

16. Indemnification

16.1 DEF and the RF/QF shall each be responsible for its own facilities. DEF and the RF/QF shall each be responsible for ensuring adequate safeguards for other DEF customers, DEF's and the RF/QF's personnel and equipment, and for the protection of its own generating system. Each Party (the "Indemnifying Party") agrees, to the extent permitted by applicable law, to indemnify, pay, defend, and hold harmless the other Party (the "Indemnified Party") and its officers, directors, employees, agents and contractors (hereinafter called respectively, "DEF Entities" and "RF/QF Entities") from and against any and all claims, demands, costs or expenses for loss, damage, or injury to persons or property of the Indemnified Party (or to third parties) directly caused by, arising out of, or resulting from:

- (d) If an Avoided Unit Cost Change meets the threshold set forth in Section 20.17(c) above, the affected Party may request the avoided cost payments under this Contract be recalculated and that the avoided cost payments for the remaining term of the Contract be adjusted based on the recalculation, subject to the approval of the FPSC. Any dispute regarding the application of this Section 20.17 shall be resolved in accordance with Section 20.9.

20.18 Provision of Information.

Within a reasonable period of time after receiving a written request therefore from the requesting Party, the other Party hereto shall provide the requesting Party with information that is reasonable and related to the non-requesting Party and/or the facilities or operations of the non-requesting Party that the requesting Party reasonably requires in order to comply with a Requirement of Law or any requirement of Generally Accepted Accounting Principles promulgated by the Financial Accounting Standards Board (or any successor thereto), (including, but not limited to, FIN 46-R) applicable to the requesting Party. In the event that a party requires information or reports that are not within its possession to meet financial reporting requirements, the parties will work in good faith to enable the requesting party to meet its financial reporting requirements.

APPENDIX A
TO
DUKE ENERGY FLORIDA
RENEWABLE OR QUALIFYING FACILITY LESS THAN 100 KW
STANDARD OFFER CONTRACT

MONTHLY CAPACITY PAYMENT CALCULATION

Capitalized terms not otherwise defined herein have the meaning ascribed to them in the Standard Offer Contract for the Purchase of Firm Capacity and Energy from a Renewable Energy Producer or a Qualifying Facility less than 100 kW.

- A. In the event that the ACBF is less than or equal to 74%, then no Monthly Capacity Payment shall be due. That is:

$$\text{MCP} = 0$$

- B. In the event that the ACBF is greater than 74% but less than 94%, then the Monthly Capacity Payment shall be calculated by using the following formula:

$$\text{MCP} = \text{BCP} \times [1 - [5 \times (.94 - \text{ACBF})] \times \text{CC}]$$

- C. In the event that the ACBF is equal to or greater than 94%, then the Monthly Capacity Payment shall be calculated by using the following formula:

$$\text{MCP} = \text{BCP} \times \text{CC}$$

Where:

MCP = Monthly Capacity Payment in dollars.

BCP = Base Capacity Payment in \$/kW/Month as specified in Appendix D or E.

CC = Committed Capacity in kW.

In the event that for any Monthly Billing Period, the computation of the value of the Termination Fee for such Monthly Billing Period (as set forth above) yields a value less than zero, the amount of the Termination Fee shall be decreased by the amount of such value expressed as a positive number (the "Initial Reduction Value"); provided, however, that such Initial Reduction Value shall be subject to the following adjustments (the Initial Reduction Value, as adjusted, the "Reduction Value"):

- a. In the event that in the applicable Monthly Billing Period the Annual Capacity Billing Factor, as defined in Appendix A is less than or equal to 74%, then the Initial Reduction Value shall be adjusted to equal zero (Reduction Value = 0), and the Termination Fee shall not be reduced for the applicable Monthly Billing Period.
- b. In the event that in the applicable Monthly Billing Period the Annual Capacity Billing Factor , as defined in Appendix A, is greater than 74% but less than 94%, then the Reduction Value shall be determined as follows:

$$\text{Reduction Value} = \text{Initial Reduction Value} \times [5 \times (\text{ACBF} - .94)]$$

For the applicable Monthly Billing period, the Termination Fee shall be reduced by the amount of such Reduction Value.

- c. In the event that in the applicable Monthly Billing Period the Annual Capacity Billing Factor, as defined in Appendix A, is equal to or greater than 94%, then the Initial Reduction Value shall not be adjusted (Reduction Value = Initial Reduction Value), and the Termination Fee shall be reduced for the applicable Monthly Billing period by the amount of the Initial Reduction Value.

In no event shall DEF be liable to the RF/QF at any time for any amount by which the Termination Fee, adjusted in accordance with the foregoing, is less than zero (0).



TABLE 3
EXAMPLE MONTHLY CAPACITY PAYMENT IN \$/kW/MONTH
DEF'S June 1, 2024 Undesignated CT
Renewable or Qualifying Facility Standard Offer Contract Avoided Capacity Payments

(\$/kW/MONTH)

Contract Year	<u>Option A</u>	<u>Option B</u>	<u>Option C</u>	<u>Option D</u>
	Normal Capacity Payment Starting on the Avoided Unit In-Service Date	Early Capacity Payment Starting on the Exemplary Capacity Payment Date	Levelized Capacity Payment Starting on the Avoided Unit In-Service Date	Early Levelized Capacity Payment Starting on the Exemplary Capacity Payment Date
2021				
2022		3.57		4.01
2023		3.66		4.02
2024	4.64	3.75	5.12	4.03
2025	4.76	3.84	5.13	4.04
2026	4.87	3.94	5.15	4.05
2027	5.00	4.04	5.16	4.06
2028	5.12	4.14	5.17	4.07
2029	5.25	4.24	5.19	4.08
2030	5.38	4.35	5.20	4.09
2031	5.52	4.46	5.22	4.10
2032	5.65	4.57	5.23	4.12
2033	5.79	4.68	5.24	4.13
2034	5.94	4.80	5.26	4.14

- The Capacity Payment schedules contained in this Contract assume a term of ten years from the Avoided Unit In-Service Date. In the event the RF/QF requests a term greater than ten years but less than the Avoided Unit Life then DEF shall prepare a schedule of Capacity Payments for the requested term. Such Capacity Payment rates shall be calculated utilizing the value-of-deferral methodology described in FPSC Rule 25-17.0832(6).



For any period during which energy is delivered by the RF/QF to DEF, the Firm Energy Rate in cents per kilowatt hour (¢/kWh) shall be the following on an hour-by-hour basis: the lesser of (a) the As-Available Energy Rate and (b) the Avoided Unit Energy Cost. The Avoided Unit Energy Cost, in cents per kilowatt - hour (¢/kWh) shall be defined as the product of (a) the Avoided Unit Fuel Cost and (b) the Avoided Unit Heat Rate; plus (c) the Avoided Unit Variable O&M.

For the purposes of this agreement, the Avoided Unit Fuel Cost shall be determined from gas price published in Platts Inside FERC, Gas Market Report, first of the month posting for Florida Gas Transmission (“FGT”) Zone 3, plus other charges, surcharges and percentages that are in effect from time to time.

The Parties may mutually agree to fix a minority portion of the base energy payments associated with the Avoided Unit and amortize that fixed portion, on a present value basis, over the term of the Contract. Such fixed energy payments may, at the option of the RF/QF, start as early as the Avoided Unit In-Service Date. For purposes of this paragraph, “base energy payments associated with the Avoided Unit” means the energy costs of the Avoided Unit to the extent that the Avoided Unit would have been operated. If this option is mutually agreed upon, it will be attached to this Contract in Appendix E.

ESTIMATED AS-AVAILABLE ENERGY COST

For informational purposes only, the estimated incremental avoided energy costs for the next five years are as follows. The following estimates include variable operation and maintenance expenses.

<u>Applicable Period</u>	<u>Average ¢/KWH</u>	<u>On-Peak ¢/KWH</u>	<u>Off-Peak ¢/KWH</u>
2015	3.6	3.9	3.4
2016	3.6	3.8	3.5
2017	3.7	3.8	3.5
2018	3.8	4.0	3.6
2019	4.1	4.4	3.9



ESTIMATED UNIT FUEL COST

The estimated unit fuel costs listed below are associated with the Avoided Unit and are based on current estimates of the price of natural gas.

\$/MMBTU

<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
4.00	4.11	4.49	5.15	6.17	6.40	6.65	6.91	7.18

DELIVERY VOLTAGE ADJUSTMENT

DEF's average system line losses are analyzed annually for the prior calendar year, and delivery efficiencies are developed for the transmission, distribution primary, and distribution secondary voltage levels. This analysis is provided in the DEF's Procedures For Changing The Real Power Loss Factor (currently Attachment Q) in its Open Access Transmission Tariff and DEF's fuel cost recovery filing with the FPSC. An adjustment factor, calculated as the reciprocal of the appropriate delivery efficiency factor, is applicable to the above determined energy costs if the RF/QF is within DEF's service territory to reflect the delivery voltage level at which RF/QF energy is received by the DEF.

The current delivery voltage adjustment factors are:

<u>Delivery Voltage</u>	<u>Adjustment Factor</u>
Transmission Voltage Delivery	1.0134
Primary Voltage Delivery	1.0234
Secondary Voltage Delivery	1.0536

PERFORMANCE CRITERIA

Payments for firm Capacity are conditioned on the RF/QF's ability to maintain the following performance criteria:

A. Capacity Delivery Date

The Capacity Delivery Date shall be no later than the Required Capacity Delivery Date.

B. Availability and Capacity Factor

The Facility's availability and capacity factor are used in the determination of firm Capacity Payments through a performance based calculation as detailed in Appendix A to the Contract.

**SCHEDULE 2
 TO RATE SCHEDULE COG-2CAPACITY OPTION PARAMETERS**

**FIXED VALUE OF DEFERRAL PAYMENTS -
 NORMAL CAPACITY OPTION PARAMETERS**

Where, for one year deferral:

		<u>Value</u>
VAC_m	= DEF's value of avoided capacity and O&M, in dollars per kilowatt per month, during month m;	4.64
K	= present value of carrying charges for one dollar of investment over L years with carrying charges computed using average annual rate base and assumed to be paid at the middle of each year and present valued to the middle of the first year;	1.298
I_n	= total direct and indirect cost, in mid-year dollars per kilowatt including AFUDC but excluding CWIP, of the Avoided Unit with an in-service date of year n;	713.38
O_n	= total fixed operation and maintenance expense, for the year n, in mid-year dollars per kilowatt per year, of the Avoided Unit:	5.90
i_p	= annual escalation rate associated with the plant cost of the Avoided Unit;	2.50%
i_o	= annual escalation rate associated with the operation and maintenance expense of the Avoided Unit;	2.50%
r	= annual discount rate, defined as DEF's incremental after-tax cost of capital;	6.95%
L	= expected life of the Avoided Unit;	35
n	= year for which the Avoided Unit is deferred starting with the Avoided Unit In-Service Date and ending with the Termination Date.	2024

**FIXED VALUE OF DEFERRAL PAYMENTS -
EARLY CAPACITY OPTION PARAMETERS**

A_m	=	monthly avoided capital cost component of Capacity Payments to be made to the RF/QF starting as early as two years prior to the Avoided Unit In-Service Date, in dollars per kilowatt per month;	3.19
i_p	=	annual escalation rate associated with the plant cost of the Avoided Unit;	2.50%
n	=	year for which early Capacity Payments to a RF/QF are to begin;	2022
F	=	the cumulative present value of the avoided capital cost component of Capacity Payments which would have been made had Capacity Payments commenced with the anticipated in-service date of the Avoided Unit and continued for a period of 10 years;	244.04
r	=	annual discount rate, defined as DEF's incremental after-tax cost of capital;	6.95%
t	=	the Term, in years, of the Contract for the purchase of firm capacity commencing prior to the in-service date of the Avoided Unit;	13
G	=	the cumulative present value of the avoided fixed operation and maintenance expense component of Capacity Payments which would have been made had Capacity Payments commenced with the anticipated in-service date of the Avoided Unit and continued until the Termination Date.	28.93

**AMENDED STANDARD OFFER CONTRACT
(Legislative format)**

Tariff Sheets:

9.406, 9.407, 9.408, 9.410, 9.411, 9.412, 9.413, 9.415, 9.416, 9.422, 9.425,
9.426, 9.427, 9.428, 9.440, 9.442, 9.445, 9.455, 9.457, 9.458, 9.467 and 9.468



“Base Capacity Payment” or “BCP” means capacity payment rates defined in Appendix D and further defined by the selection of Option A,B,C or D in Section 9.2 or in Appendix E if applicable.

“Base Year” means the year that this Contract was approved by the FPSC.

“Business Day” means any day except a day upon which banks licensed to operate in the State of Florida are authorized, directed or permitted to close, Saturday, Sunday or a weekday that is observed as a public holiday in the State of Florida.

“CAMD” means the Clean Air Markets Division of the Environmental Protection Agency or successor administrator (collectively with any local, state, regional, or federal entity given jurisdiction over a program involving transferability of Environmental Attributes).

“Capacity” means the minimum average hourly net capacity (generator output minus auxiliary load) measured over the Committed Capacity Test Period.

“Capacity Delivery Date” means the first calendar day immediately following the date of the Facility's successful completion of the first Committed Capacity Test.

“Capacity Payment” means the payment defined in Section 9.2 and Appendix A.

“Committed Capacity” or “CC” means the capacity in MW that the RF/QF commits to sell to DEF, the amount of which shall be determined in accordance with Section 7.

“Committed Capacity Test” means the testing of the capacity of the Facility performed in accordance with the procedures set forth in Section 8.

“Committed Capacity Test Period” means a test period of twenty-four (24) consecutive hours.

“Completed Permits Date” means the date by which the RF/QF must complete licensing and certification, and obtain all federal, state and local governmental, environmental, and licensing approvals required to initiate construction of the Facility including Qualifying Facility status. This date is specified in Section 4.

“Completion/Performance Security” means the security described in Section 11.

“Conditions Precedent” shall have the meaning assigned to it in Section 5.

“Contract” means this standard offer contract for the purchase of Firm Capacity and Energy from a Renewable Energy Producer or Qualifying Facility with a nameplate capacity of less than 100 kW.

“Credit Support Provider” means any Person that has provided an RF/QF Guarantee in connection with this Agreement.



“Creditworthy” with respect to a Party or its ~~credit-Credit support-Support provider~~Provider, as applicable, means a party is rated at least BBB by Standard & Poor’s (S&P), or at least Baa3 by Moody’s Investor Services (Moody’s). Rating shall be the unsecured, senior long-term debt rating, (not supported by third party credit enhancement) or the issuer rating will be used if not available. If a Party or its Credit Support Provider, as applicable, is rated by both S&P and Moody’s, then the lower of the two ratings will apply.

“DEF” has the meaning assigned to it in the opening paragraph of this Contract.

“DEF Entities” has the meaning assigned to it in Section 16.

“Demonstration Period” means a sixty-hour period in which the Committed Capacity Test must be completed.

“Distribution System” means the distribution system consisting of electric lines, electric plant, transformers and switchgear used for conveying electricity to ultimate consumers, but not including any part of the Transmission System.

“Dispute” shall have the meaning assigned to it in Section 20.9.

“Drop Dead Date” means the date which is twelve (12) months following the Execution Date.

“Eastern Prevailing Time” or “EPT” means the time in effect in the Eastern Time Zone of the United States of America, whether Eastern Standard Time or Eastern Daylight Savings Time.

“Effective Date” has the meaning assigned to it in Section 5.

“Electrical Interconnection Point” means the physical point at which the Facility is connected with the Transmission System or, if RF/QF interconnects with a Transmission System other than DEF’s, DEF’s interconnection with the Transmission Provider’s Transmission System, or such other physical point on which RF/QF and DEF may agree.



“Eligible Collateral” means (i) a Letter of Credit from a Qualified Institution (ii) a cash deposit ~~or~~ provided to DEF by RF/QF or a combination of (i), and/or (ii) as outlined in Section 11.

“Energy” means megawatt-hours generated by the Facility of the character commonly known as three-phase, sixty hertz electric energy that is delivered at a nominal voltage at the Electrical Interconnection Point.

“Environmental Attributes” means all attributes of an environmental or other nature that are created or otherwise arise from the Facility’s generation of electricity from a renewable energy source in contrast with the generation of electricity using nuclear or fossil fuels or other traditional resources. Forms of such attributes include, without limitation, any and all environmental air quality credits, green credits, renewable energy credits (“RECs”), carbon credits, emissions reduction credits, certificates, tags, offsets, allowances, or similar products or rights, howsoever entitled, (i) resulting from the avoidance of the emission of any gas, chemical, or other substance, including but not limited to, mercury, nitrogen oxide, sulfur dioxide, carbon dioxide, carbon monoxide, particulate matter or similar pollutants or contaminants of air, water or soil gas, chemical, or other substance, and (ii) attributable to the generation, purchase, sale or use of Energy from or by the Facility, or otherwise attributable to the Facility during the Term. Environmental Attributes include, without limitation, those currently existing or arising during the Term under local, state, regional, federal, or international legislation or regulation relevant to the avoidance of any emission described in this Contract under any governmental, regulatory or voluntary program, including, but not limited to, the United Nations Framework Convention on Climate Change and related Kyoto Protocol or other programs, laws or regulations involving or administered by the Clean Air Markets Division of the Environmental Protection Agency (“CAMD”) or successor administrator (collectively with any local, state, regional, or federal entity given jurisdiction over a program involving transferability of Environmental Attributes.).

“Event of Default” has the meaning assigned to it in Section 14.

“Execution Date” has the meaning assigned to it in the opening paragraph of this Contract.

“Exemplary Early Capacity Payment Date” means the exemplary date used to calculate Capacity Payments for Option B and D. This date is specified in Section 4. The actual Capacity Payments for Option B and D will be calculated based upon the Required Capacity Delivery Date.

“Expiration Date” means the final date upon which this Contract can be executed. This date is specified in Section 4.

“Facility” means all equipment, as described in this Contract, used to produce electric energy and, and all equipment that is owned or controlled by the RF/QF required for parallel operation with the Transmission System. In the case of a cogenerator the Facility includes all equipment that is owned or controlled by the RF/QF to produce useful thermal energy through the sequential use of energy.

“IEEE” means the Institute of Electrical and Electronics Engineers, Inc.

“Indemnified Party” has the meaning assigned to it in Section 16.

“Indemnifying Party” has the meaning assigned to it in Section 16.

“Initial Reduction Value” has the meaning assigned to it in Appendix B.

“Insurance Services Office” has the meaning assigned to it in Section 17.

“KVA” means one or more kilovolts-amperes of electricity, as the context requires.

“kW” means one or more kilowatts of electricity, as the context requires.

“kWh” means one or more kilowatt-hours of electricity, as the context requires.

“Letter of Credit” means a stand-by letter of credit from a Qualified Institution that is acceptable to DEF whose approval may not be unreasonably withheld. The Letter of Credit must provide that DEF has the right to draw on the Letter of Credit in the event that less than twenty (20) Business Days remain until its expiration and RF/QF has failed to renew the Letter of Credit or provide replacement Eligible Collateral as required under this Agreement.

“LOI” means a letter of intent for fuel supply.

“Material Adverse Change” means any of the following events; (a) the RF/QF or its ~~guarantor~~Credit Support Provider, if applicable, is no longer Creditworthy or (b) the RF/QF or its ~~guarantor~~Credit Support Provider, if applicable, defaults on an aggregate of fifty million dollars (\$50,000,000) or five percent (5%) of equity, whichever is less.

“MCPC” means the Monthly Capacity Payment for Option A.

“Monthly Billing Period” means the period beginning on the first calendar day of each calendar month, except that the initial Monthly Billing Period shall consist of the period beginning 12:01 a.m., on the Capacity Delivery Date and ending with the last calendar day of such month.

“Monthly Availability Factor” or “MAF” means the total energy received during the Monthly Billing Period for which the calculation is made, divided by the product of Committed Capacity and the total hours during the Monthly Billing Period.

“Monthly Capacity Payment” or “MCP” means the payment for Capacity calculated in accordance with Appendix A.

“MW” means one or more megawatts of electricity, as the context requires.

“MWh” means one or more megawatt-hours of electricity, as the context requires.

~~“Option A” means normal Capacity Payments as described in Appendix D.~~



SECTION No. IX
~~SECOND-THIRD~~ REVISED SHEET NO. 9.410
CANCELS ~~FIRST-SECOND~~ REVISED SHEET NO.
9.410

~~“Option B” means early Capacity Payments as described in Appendix D.~~

~~–“Option A” means normal Capacity Payments as described in Appendix D.~~

~~“Option B” means early Capacity Payments as described in Appendix D.~~

~~–“Option C” means levelized Capacity Payments as described in Appendix D.~~

“Option D” means early levelized Capacity Payments as described in Appendix D.

“Party” or “Parties” has the meaning assigned to it in the opening paragraph of this Contract.

“Person” means any individual, partnership, corporation, association, joint stock company trust, joint venture, unincorporated organization, or Governmental Agency (or any department, agency, or political subdivision thereof).

“Project Consents” mean the following Consents, each of which is necessary to RF/QF for the fulfillment of RF/QF’s obligations hereunder:

- (a) the Authorization to Construct;
- (b) planning permission and consents in respect of the Facility, and any electricity substation located at the Facility site, including but not limited to, a prevention of significant deterioration permit, a noise, proximity and visual impact permit, and any required zoning permit; and
- (c) any integrated pollution control license.

“Project Contracts” means this Contract, and any other contract required to construct, operate and maintain the Facility. The Project Contracts may include, but are not limited to, the turnkey engineering, procurement and construction contract, the electrical interconnection and operating agreement, the fuel supply agreement, the facility site lease, and the operation and maintenance agreement.

“Prudent Utility Practices” means any of the practices, methods, standards and acts (including, but not limited to, the practices, methods and acts engaged in or approved by a significant portion of owners and operators of power plants of technology, complexity and size similar to the Facility in the United States) that, at a particular time, in the exercise of reasonable judgment in light of the facts known or that should reasonably have been known at the time a decision was made, could have been expected to accomplish the desired result and goals (including such goals as efficiency, reliability, economy and profitability) in a manner consistent with applicable facility design limits and equipment specifications and applicable laws and regulations. Prudent Utility Practice is not intended to be limited to the optimum practice, method or act to the exclusion of all others, but rather to be a spectrum of acceptable practices, methods or acts in each case taking into account the Facility as an independent power project.

“Qualifying Facility” or “QF” means a cogenerator, small power producer, or non-utility generator that has been certified or self-certified by the FERC as meeting certain ownership, operating and efficiency criteria established by the Federal Energy Regulatory Commission pursuant to the Public Utility Regulatory Policies Act of 1978 (“PURPA”), the criteria for which are currently set forth in 18 C.F.R. § 292, *et seq.* (2006), Section 210 of PURPA, 16 U.S.C. § 824a-3 (2005), 16 U.S.C. 796 *et seq.* (2006), and Section 1253 of EPAct 2005, Pub. L. No. 109-58, § 1253, 119 Stat. 594 (2005) or, alternatively, analogous provisions under the laws of the State of Florida.

“Qualified Institution” means the domestic office of a United States commercial bank or trust company or the United States branch of a foreign bank having total assets of at least ten billion dollars (\$10,000,000,000) (which is not an affiliate of either party) and a general long-term senior unsecured debt rating of A- or higher (as rated by Standard & Poor’s Ratings Group), or A3 or higher (as rated by Moody’s Investor Services).

“Rate Schedule COG-1” means DEF’s Agreement for Purchase of As-Available Energy and/or Parallel Operation with a Qualifying Facility as approved by the FPSC and as may be amended from time to time.

“REC” means renewable energy credits, green tags, green tickets, renewable certificates, tradable renewable energy credits (“T-REC”) or any tradable certificate that is produced by a renewable generator in addition to and in proportion to the production of electrical energy.

“Reduction Value” has the meaning assigned to it in Appendix B.

“Renewable Facility” or “RF/QF” means an electrical generating unit or group of units at a single site, interconnected for synchronous operation and delivery of electricity to an electric utility, where the primary energy in British Thermal Units used for the production of electricity is from one or more of the following sources: hydrogen produced from sources other than fossil fuels, biomass, solar energy, geothermal energy, wind energy, ocean energy, hydroelectric power or waste heat from a commercial or industrial manufacturing process.

“Required Capacity Delivery Date” means the date specified in Appendix E. In the event that no Required Capacity Delivery Date is specified in Appendix E then the RF/QF shall achieve the Capacity Delivery Date on or before the Avoided Unit In-Service Date

“RF/QF Entities” has the meaning assigned to it in Section 16.

~~“RF/QF Guarantee” means a guarantee provided by RF/QF Guarantor that is acceptable to DEF whose approval may not be unreasonably withheld.~~

~~“RF/QF Guarantor” means a party that, at the time of execution and delivery of its RF/QF Guarantee is a direct or indirect owner of RF/QF and is (a) Creditworthy or is (b) reasonably acceptable to DEF as having verifiable Creditworthiness and a net worth sufficient to secure RF/QF’s obligations.~~



“RF/QF Insurance” has the meaning assigned to it in Section 17.

“RF/QF Performance Security” has the meaning assigned in Section 11.

“Security Documentation” has the meaning assigned to it in Section 12.

~~“Supplemental Eligible Collateral” means additional collateral in the form of Letter of Credit or cash to augment the RF/QF Performance Security in the event of a Material Adverse Change.~~

-“Term” has the meaning assigned to it in Section 3.

“Termination Date” means the date upon which this Contract terminates unless terminated earlier in accordance with the provisions hereof. This date is specified in Section 4.

“Termination Fee” means the fee described in Appendix B as it applies to any Capacity Payments made under Option B, C or D.

“Termination Security” has the meaning assigned to it in Section 12.

“Transmission Provider” means the operator(s) of the Transmission System(s) or any successor thereof or any other entity or entities authorized to transmit Energy on behalf of RF/QF from the Electrical Interconnection Point.

“Transmission System” means the system of electric lines comprised wholly or substantially of high voltage lines, associated system protection, system stabilization, voltage transformation, and capacitance, reactance and other electric plant used for conveying electricity from a generating station to a substation, from one generating station to another, from one substation to another, or to or from any Electrical Interconnection Point or to ultimate consumers and shall include any interconnection owned by the Transmission Provider or DEF, but shall in no event include any lines which the Transmission Provider has specified to be part of the Distribution System except for any distribution facilities required to accept capacity and energy from the Facility.



3. Term of Contract

Except as otherwise provided herein, this Contract shall become effective immediately upon its execution by the Parties and shall end at 12:01 a.m. on the Termination Date, (the “Term”) unless terminated earlier in accordance with the provisions hereof. Notwithstanding the foregoing, if the Capacity Delivery Date of the Facility is not accomplished by the RF/QF before the Required Capacity Delivery Date (or such later date as may be permitted by DEF pursuant to Section 7), this Contract shall be rendered null and void and DEF's shall have no obligations under this Contract.

4. Minimum Specifications and Milestones

As required by FPSC Rule 25-17.0832(4)(e), the minimum specifications pertaining to this Contract and milestone dates are as follows:

Avoided Unit	Undesignated Combustion <u>Turbine</u>
Avoided Unit Capacity	793-811 MW
Avoided Unit In-Service Date	June 1, 2021 <u>2024</u>
Avoided Unit Heat Rate	6,741 <u>10,399</u> BTU/kWh
Avoided Unit Variable O&M	0.545 <u>0.919</u> ¢ per kWh in mid- 2014 <u>2015</u> dollars escalating annually at 2.50%
Avoided Unit Life	35 years
Capacity Payments begin	Avoided Unit In-Service Date unless Option B, or D is selected or amended in Appendix E
Termination Date	May 31, 2031 <u>2034</u> (10 years) unless amended in Appendix E
Minimum Performance Standards – On Peak Availability Factor*	87 <u>94</u> %
Minimum Performance Standards – Off Peak Availability Factor	87 <u>94</u> %
Minimum Availability Factor Required to qualify for a Capacity payment	67 <u>74</u> %
Expiration Date	April 1, 2015 <u>2016</u>
Completed Permits Date	June 1, 2017 <u>2021</u>
Exemplary Early Capacity Payment Date	January 1, 2016 <u>2022</u>

* RF/QF performance shall be as measured and/or described in Appendix A.

5. Conditions Precedent

- (a) Unless otherwise waived in writing by DEF, on or before the Drop Dead Date, RF/QF shall satisfy the following Conditions Precedent:
- (i) RF/QF shall have obtained firm transmission service necessary to deliver Capacity and energy from the Facility to the Electrical Interconnection Point, in a form and substance satisfactory to RF/QF in its sole discretion;
 - (ii) RF/QF shall have obtained the Project Consents and any other Consents for which it is responsible under the terms hereof in a form and substance satisfactory to RF/QF in its sole discretion;
 - (iii) RF/QF shall have entered into Financing Documents relative to the construction of the Facility and have achieved Financial Closing in a form and substance satisfactory to RF/QF in its sole discretion;
 - (iv) RF/QF shall have entered into the Project Contracts in a form and substance satisfactory to RF/QF in its sole discretion;
 - (v) RF/QF shall have obtained insurance policies or coverage in compliance with Section 17;
 - (vi) Each Party shall have delivered to the other Party (i) a copy of its constitutional documents (certified by its corporate secretary as true, complete and up-to-date) and (ii) a copy of a corporate resolution approving the terms of this Contract and the transactions contemplated hereby and authorizing one or more individuals to execute this Contract on its behalf (such copy to have been certified by its corporate representative as true, complete and up-to-date);
 - (vii) RF/QF shall have obtained Qualifying Facility status from either the FPSC or FERC.
- (b) Promptly upon satisfaction ~~(or waiver in writing)~~ of the Conditions Precedent to be satisfied, the Party having satisfied the same shall deliver to the other Party a certificate evidencing such satisfaction. DEF may waive the satisfaction of a Condition Precedent at its sole discretion. Such waiver must be made in writing. Subject to there being no Event of Default which has occurred and/or is continuing as of the date upon which the last of such certificates is delivered, the date of such last certificate shall constitute the effective date of this Contract (the “Effective Date”).
- (c) Unless all Conditions Precedent are satisfied on or before the Drop Dead Date or such Conditions Precedent are waived in writing, this Contract shall terminate on such date and neither Party shall have any further liability to the other Party hereunder.
- (d) RF/QF shall achieve the Capacity Delivery Date on or before the Required Capacity Delivery Date.

- 10.4** The Parties recognize that the intent of the availability factor in Section 4 of this Contract includes an allowance for scheduled outages, forced outages and forced reductions in the output of the Facility. Therefore, the RF/QF shall provide DEF with notification of any forced outage or reduction in output which shall include the time and date at which the forced outage or reduction occurred, a brief description of the cause of the outage or reduction and the time and date when the forced outage or reduction ceased and the Facility was able to return to normal operation. This notice shall be provided to DEF within seventy-two (72) hours of the end of the forced outage or reduction.

The RF/QF is required to provide the total electrical output to DEF except (i) during a period that was scheduled in Section 10.2, (ii) during a period in which notification of a forced outage or reduction was provided, (iii) during an event of Force Majeure or (iv) during a curtailment period as described in Section 10.5.5. In ~~the no event that shall~~ the RF/QF delivers any portion of their ~~total electrical~~ output to a third party, ~~during any hour not excluded in the previous sentence, then the RF/QF shall be charged a rate equal to the DEF's Rate Schedule COG-1 times the difference between the energy at the RF/QF's Committed Capacity and the actual energy received by DEF in that hour. In DEF's sole judgment the charges in this Section 10.4 may be waived.~~

10.5 Dispatch and Control

10.5.1 Power supplied by the RF/QF hereunder shall be in the form of three-phase 60 hertz alternating current, at a nominal operating voltage of _____ volts (_____ kV) and power factor dispatchable and controllable in the range of 90% lagging to 90% leading as measured at the interconnection point to maintain system operating parameters, including power factor, as specified from time to time by DEF.

10.5.2 The RF/QF shall operate the Facility with all system protective equipment in service whenever the Facility is connected to, or is operated in parallel with, DEF's system, except for normal testing and repair in accordance with good engineering and operating practices as agreed by the Parties. The RF/QF shall provide adequate system protection and control devices to ensure safe and protected operation of all energized equipment during normal testing and repair. All RF/QF facilities shall meet IEEE and utility standards. The RF/QF shall have independent, third party qualified personnel test, calibrate and certify in writing all protective equipment at least once every twelve (12) months in accordance with good engineering and operating practices. A unit functional trip test shall be performed after each overhaul of the Facility's turbine, generator or boilers and results provided to DEF in writing prior to returning the equipment to service. The specifics of the unit functional trip test will be consistent with Prudent Utility Practices.

- 11.4** In the event that the (a) Capacity Delivery Date occurs before the Required Capacity Delivery Date and (b) the ACBF is equal to or greater than ~~8794~~% for the first twelve (12) months following the Capacity Delivery Date then DEF will return the Completion/Performance Security to the RF/QF within ninety (90) days of the first anniversary of the Capacity Delivery Date. In the event that the Capacity Delivery Date does not occur before the Required Capacity Delivery Date then DEF shall immediately be entitled to draw down the Completion/Performance Security in full. In the event that the ACBF is less than ~~8794~~% for any of the first twelve (12) months following the Capacity Delivery Date then DEF shall retain the Completion/Security until the ACBF is equal to or greater than ~~8794~~% for 12 consecutive months. Upon the completion of twelve (12) consecutive months with the ACBF greater than or equal to ~~8794~~% then DEF will return the Completion/Performance Security within ninety (90) days.
- 11.7** Reporting - RF/QF shall promptly notify DEF of any circumstance that results in RF/QF's failure to be in compliance with the RF/QF Performance Security Requirements of this Section 11. From time to time, at DEF's written request, RF/QF shall provide DEF with such evidence as DEF may reasonably request, that RF/QF Letter of Credit is in full compliance with this Contract.

12. Termination Fee and Security

- 12.1** In the event that the RF/QF receives Capacity Payments pursuant to Option B, Option C, or Option D of Appendix D or any Capacity Payment schedule in Appendix E that differs from a Normal Capacity Payment Rate as calculated in FPSC Rule 25-17.0832(6)(a), then upon the termination of this Contract, the RF/QF shall owe and be liable to DEF for the Termination Fee. The RF/QF's obligation to pay the Termination Fee shall survive the termination of this Contract. DEF shall provide the RF/QF, on a monthly basis, a calculation of the Termination Fee.
- 12.1.1** The Termination Fee shall be secured by the RF/QF by: (i) an unconditional, irrevocable, ~~direct paystandby~~ letter(s) of credit issued by a Qualified Institution in form and substance acceptable to DEF (including provisions (a) permitting partial and full draws and (b) permitting DEF to draw upon such Letter of Credit, in full, if such Letter of Credit is not renewed or replaced at least twenty (20) Business Days prior to its expiration date); (ii) a bond issued to DEF by a financially sound company in form and substance acceptable to DEF in its sole discretion; or (iii) a cash deposit with DEF (any of (i), (ii), or (iii), the "Termination Security").

12.1.2 DEF shall have the right and the RF/QF shall be required to monitor the financial condition of (i) the issuer(s) in the case of any Letter of Credit and (ii) the insurer(s), in the case of any bond. In the event the senior debt rating of any issuer(s) or insurer(s) has deteriorated to the extent that they ~~no longer meet the issuer requirements, fail to meet the requirements of a~~ Qualified Institution, DEF may require the RF/QF to replace the letter(s) of credit or the bond, as applicable. In the event that DEF notifies the RF/QF that it requires such a replacement, the replacement letter(s) of credit or bond, as applicable, must be issued by a ~~financial institution(s) or insurer(s) with an acceptable credit rating~~ Qualified Institution, and meet the requirements of Section 12.1.1 within thirty (30) calendar days following such notification. Failure by the RF/QF to comply with the requirements of this Section 12.1.2 shall be grounds for DEF to draw in full on any existing Letter of Credit or bond and to exercise any other remedies it may have hereunder.

12.1.3 After the close of each calendar quarter (March 31, June 30, September 30, and December 31) occurring subsequent to the Capacity Delivery Date, upon DEF's issuance of the Termination Fee calculation as described in Section 12.1, the RF/QF must provide DEF, within ten calendar (10) days, written assurance and documentation (the "Security Documentation"), in form and substance acceptable to DEF, that the amount of the Termination Security is sufficient to cover the balance of the Termination Fee through the end of the following quarter. In addition to the foregoing, at any time during the term of this Contract, DEF shall have the right to request and the RF/QF shall be obligated to deliver within five (5) calendar days of such request, such Security Documentation. Failure by the RF/QF to comply with the requirements of this Section 12.1.3 shall be grounds for DEF to draw in full on any existing Letter of Credit or bond or to retain any cash deposit, and to exercise any other remedies it may have hereunder.

12.1.4 Upon any termination of this Contract following the Required Capacity Delivery Date, DEF shall be entitled to receive (and in the case of the Letter(s) of Credit or bond, draw upon such Letter(s) of Credit or bond) and retain one hundred percent (100%) of the Termination Security.

13. Performance Factor

DEF desires to provide an incentive to the RF/QF to operate the Facility during on-peak and off-peak periods in a manner that approximates the projected performance of the Avoided Unit. A formula to achieve this objective is attached as Appendix A.

14. Default

Notwithstanding the occurrence of any Force Majeure as described in Section 18, each of the following shall constitute an Event of Default:

- (a) the RF/QF changes or modifies the Facility from that provided in Section 2 with respect to its type, location, technology or fuel source, without the prior written approval of DEF;
- (b) after the Capacity Delivery Date, the Facility fails for twelve (12) consecutive months to maintain an Annual Capacity Billing Factor, as described in Appendix A, of at least ~~sixty-seventy~~ sixty-seventy four percent (~~67~~74%);
- (c) the RF/QF fails to satisfy its obligations to maintain sufficient fuel on the site of the Facility to deliver the capacity and energy associated with the Committed Capacity for an uninterrupted seventy-two-(72) hour period under Section 10.5.6 hereof;
- (d) the failure to make when due, any payment required pursuant to this Contract if such failure is not remedied within three (3) Business Days after written notice.
- (e) either Party, or the entity which owns or controls either Party, ceases the conduct of active business; or if proceedings under the federal bankruptcy law or insolvency laws shall be instituted by or for or against either Party or the entity which owns or controls either Party; or if a receiver shall be appointed for either Party or any of its assets or properties, or for the entity which owns or controls either Party; or if any part of either Party's assets shall be attached, levied upon, encumbered, pledged, seized or taken under any judicial process, and such proceedings shall not be vacated or fully stayed within thirty (30) calendar days thereof; or if either Party shall make an assignment for the benefit of creditors, or admit in writing its inability to pay its debts as they become due;
- (f) the RF/QF fails to give proper assurance of adequate performance as specified under this Contract within thirty (30) calendar days after DEF, with reasonable grounds for insecurity, has requested in writing such assurance;
- (g) the RF/QF fails to achieve licensing, certification, and all federal, state and local governmental, environmental, and licensing approvals required to initiate construction of the Facility by no later than the Completed Permits Date;
- (h) the RF/QF fails to comply with the provisions of Section 11 hereof;
- (i) any of the representations or warranties, including the certification of the completion of the Conditions Precedent, made by either Party in this Contract is false or misleading in any material respect as of the time made;

- (j) if, at any time after the Capacity Delivery Date, the RF/QF reduces the Committed Capacity due to an event of Force Majeure and fails to repair the Facility and reset the Committed Capacity to the level set forth in Section 7.2 (as such level may be reduced by Section 7.4) within twelve (12) months following the occurrence of such event of Force Majeure; or
- (k) either Party breaches any material provision of this Contract not specifically mentioned in this Section 14;
- (l) the RF/QF fails to maintain its status as a Qualifying Facility.

15. Rights in the Event of Default

15.1 Upon the occurrence of any of the Events of Default in Section 14, the DEF may, at its option:

15.1.1 immediately terminate this Contract, without penalty or further obligation, except as set forth in Section 15.2, by written notice to the RF/QF, and offset against any payment(s) due from DEF to the RF/QF, any monies otherwise due from the RF/QF to DEF;

15.1.2 enforce the provisions of the Completion/Performance Security pursuant to Section 11 and/or the Termination Security requirement pursuant to Section 12 hereof, as applicable; and

15.1.3 exercise any other remedy(ies) which may be available to DEF at law or in equity.

15.2 Termination shall not affect the liability of either Party for obligations arising prior to such termination or for damages, if any, resulting from any breach of this Contract.

16. Indemnification

16.1 DEF and the RF/QF shall each be responsible for its own facilities. DEF and the RF/QF shall each be responsible for ensuring adequate safeguards for other DEF customers, DEF's and the RF/QF's personnel and equipment, and for the protection of its own generating system. Each Party (the "Indemnifying Party") agrees, to the extent permitted by applicable law, to indemnify, pay, defend, and hold harmless the other Party (the "Indemnified Party") and its officers, directors, employees, agents and contractors (hereinafter called respectively, "DEF Entities" and "RF/QF Entities") from and against any and all claims, demands, costs or expenses for loss, damage, or injury to persons or property of the Indemnified Party (or to third parties) directly caused by, arising out of, or resulting from:

- (d) If an Avoided Unit Cost Change meets the threshold set forth in Section 20.17(c) above, the affected Party may request the avoided cost payments under this Contract be recalculated and that the avoided cost payments for the remaining term of the Contract be adjusted based on the recalculation, subject to the approval of the FPSC. Any dispute regarding the application of this Section 20.17 shall be resolved in accordance with Section 20.9.

20.18 Provision of Information.

Within a reasonable period of time after receiving a written request therefore from the requesting Party, the other Party hereto shall provide the requesting Party with information that is reasonable and related to the non-requesting Party and/or the facilities or operations of the non-requesting Party that the requesting Party reasonably requires in order to comply with a Requirement of Law or any requirement of Generally Accepted Accounting Principles promulgated by the Financial Accounting Standards Board (or any successor thereto), (including, but not limited to, FIN 46-R) applicable to the requesting Party. In the event that a party requires information or reports that are not within its possession to meet financial reporting requirements, the parties will work in good faith to enable the requesting party to meet its financial reporting requirements.



APPENDIX A
TO
DUKE ENERGY FLORIDA
RENEWABLE OR QUALIFYING FACILITY LESS THAN 100 KW
STANDARD OFFER CONTRACT

MONTHLY CAPACITY PAYMENT CALCULATION

Capitalized terms not otherwise defined herein have the meaning ascribed to them in the Standard Offer Contract for the Purchase of Firm Capacity and Energy from a Renewable Energy Producer or a Qualifying Facility less than 100 kW.

- A. In the event that the ACBF is less than or equal to 6774%, then no Monthly Capacity Payment shall be due. That is:

$$\text{MCP} = 0$$

- B. In the event that the ACBF is greater than 6774% but less than 8794%, then the Monthly Capacity Payment shall be calculated by using the following formula:

$$\text{MCP} = \text{BCP} \times [1 - [5 \times (.8794 - \text{ACBF})] \times \text{CC}]$$

- C. In the event that the ACBF is equal to or greater than 8794%, then the Monthly Capacity Payment shall be calculated by using the following formula:

$$\text{MCP} = \text{BCP} \times \text{CC}$$

Where:

MCP = Monthly Capacity Payment in dollars.

BCP = Base Capacity Payment in \$/kW/Month as specified in Appendix D or E.

CC = Committed Capacity in kW.



In the event that for any Monthly Billing Period, the computation of the value of the Termination Fee for such Monthly Billing Period (as set forth above) yields a value less than zero, the amount of the Termination Fee shall be decreased by the amount of such value expressed as a positive number (the "Initial Reduction Value"); provided, however, that such Initial Reduction Value shall be subject to the following adjustments (the Initial Reduction Value, as adjusted, the "Reduction Value"):

- a. In the event that in the applicable Monthly Billing Period the Annual Capacity Billing Factor, as defined in Appendix A is less than or equal to ~~6774~~%, then the Initial Reduction Value shall be adjusted to equal zero (Reduction Value = 0), and the Termination Fee shall not be reduced for the applicable Monthly Billing Period.
- b. In the event that in the applicable Monthly Billing Period the Annual Capacity Billing Factor , as defined in Appendix A, is greater than ~~6774~~% but less than ~~8794~~%, then the Reduction Value shall be determined as follows:

$$\text{Reduction Value} = \text{Initial Reduction Value} \times [5 \times (\text{ACBF} - \del{.8794})]$$

For the applicable Monthly Billing period, the Termination Fee shall be reduced by the amount of such Reduction Value.

- c. In the event that in the applicable Monthly Billing Period the Annual Capacity Billing Factor, as defined in Appendix A, is equal to or greater than ~~8794~~%, then the Initial Reduction Value shall not be adjusted (Reduction Value = Initial Reduction Value), and the Termination Fee shall be reduced for the applicable Monthly Billing period by the amount of the Initial Reduction Value.

In no event shall DEF be liable to the RF/QF at any time for any amount by which the Termination Fee, adjusted in accordance with the foregoing, is less than zero (0).



TABLE 3
 EXAMPLE MONTHLY CAPACITY PAYMENT IN \$/kW/MONTH
 DEF'S June 1, 2021-2024 Undesignated ~~CCCT~~
 Renewable or Qualifying Facility Standard Offer Contract Avoided Capacity Payments
 (\$/kW/MONTH)

Contract Year	<u>Option A</u>	<u>Option B</u>	<u>Option C</u>	<u>Option D</u>
	Normal Capacity Payment Starting on the Avoided Unit In-Service Date	Early Capacity Payment Starting on the Exemplary Capacity Payment Date	Levelized Capacity Payment Starting on the Avoided Unit In-Service Date	Early Levelized Capacity Payment Starting on the Exemplary Capacity Payment Date
<u>20152021</u>				
<u>20162022</u>		<u>5.463.57</u>		<u>6.344.01</u>
<u>20172023</u>		<u>5.603.66</u>		<u>6.354.02</u>
<u>20182024</u>	<u>4.64</u>	<u>5.743.75</u>	<u>5.12</u>	<u>6.364.03</u>
<u>20192025</u>	<u>4.76</u>	<u>5.883.84</u>	<u>5.13</u>	<u>6.374.04</u>
<u>20202026</u>	<u>4.87</u>	<u>6.033.94</u>	<u>5.15</u>	<u>6.384.05</u>
<u>20212027</u>	<u>9.975.00</u>	<u>6.184.04</u>	<u>11.065.16</u>	<u>6.394.06</u>
<u>20222028</u>	<u>10.215.12</u>	<u>6.344.14</u>	<u>11.085.17</u>	<u>6.404.07</u>
<u>20232029</u>	<u>10.475.25</u>	<u>6.494.24</u>	<u>11.095.19</u>	<u>6.414.08</u>
<u>20242030</u>	<u>10.735.38</u>	<u>6.664.35</u>	<u>11.115.20</u>	<u>6.424.09</u>
<u>20252031</u>	<u>11.005.52</u>	<u>6.824.46</u>	<u>11.135.22</u>	<u>6.434.10</u>
<u>20262032</u>	<u>11.275.65</u>	<u>6.994.57</u>	<u>11.155.23</u>	<u>6.444.12</u>
<u>20272033</u>	<u>11.565.79</u>	<u>7.174.68</u>	<u>11.165.24</u>	<u>6.464.13</u>
<u>20282034</u>	<u>11.855.94</u>	<u>7.354.80</u>	<u>11.185.26</u>	<u>6.474.14</u>
<u>2029</u>	<u>12.14</u>	<u>7.53</u>	<u>11.20</u>	<u>6.48</u>
<u>2030</u>	<u>12.45</u>	<u>7.72</u>	<u>11.22</u>	<u>6.49</u>
<u>2031</u>	<u>12.76</u>	<u>7.91</u>	<u>11.24</u>	<u>6.50</u>

- The Capacity Payment schedules contained in this Contract assume a term of ten years from the Avoided Unit In-Service Date. In the event the RF/QF requests a term greater than ten years but less than the Avoided Unit Life then DEF shall prepare a schedule of Capacity Payments for the requested term. Such Capacity Payment rates shall be calculated utilizing the value-of-deferral methodology described in FPSC Rule 25-17.0832(6).



For any period during which energy is delivered by the RF/QF to DEF, the Firm Energy Rate in cents per kilowatt hour (¢/kWh) shall be the following on an hour-by-hour basis: the lesser of (a) the As-Available Energy Rate and (b) the Avoided Unit Energy Cost. The Avoided Unit Energy Cost, in cents per kilowatt - hour (¢/kWh) shall be defined as the product of (a) the Avoided Unit Fuel Cost and (b) the Avoided Unit Heat Rate; plus (c) the Avoided Unit Variable O&M.

For the purposes of this agreement, the Avoided Unit Fuel Cost shall be determined from gas price published in Platts Inside FERC, Gas Market Report, first of the month posting for Florida Gas Transmission (“FGT”) Zone 3, plus other charges, surcharges and percentages that are in effect from time to time.

The Parties may mutually agree to fix a minority portion of the base energy payments associated with the Avoided Unit and amortize that fixed portion, on a present value basis, over the term of the Contract. Such fixed energy payments may, at the option of the RF/QF, start as early as the Avoided Unit In-Service Date. For purposes of this paragraph, “base energy payments associated with the Avoided Unit” means the energy costs of the Avoided Unit to the extent that the Avoided Unit would have been operated. If this option is mutually agreed upon, it will be attached to this Contract in Appendix E.

ESTIMATED AS-AVAILABLE ENERGY COST

For informational purposes only, the estimated incremental avoided energy costs for the next ~~four semi-annual periods~~ five years are as follows. The following estimates include variable operation and maintenance expenses.

<u>Applicable Period</u>	<u>Average ¢/KWH</u>	<u>On-Peak ¢/KWH</u>	<u>Off-Peak ¢/KWH</u>
April 1, 2014 – September 30, 2014 <u>2015</u>	4.0 <u>3.6</u>	3.9 <u>3.9</u>	3.4 <u>3.4</u>
October 1, 2014 – March 31, 2015 <u>2016</u>	4.0 <u>3.6</u>	3.8 <u>3.8</u>	3.5 <u>3.5</u>
April 1, 2015 – September 30, 2015 <u>2017</u>	4.1 <u>3.7</u>	3.8 <u>3.8</u>	3.5 <u>3.5</u>
October 1, 2015 – March 31, 2016 <u>2018</u>	4.1 <u>3.8</u>	4.0 <u>4.0</u>	3.6 <u>3.6</u>
<u>2019</u>	<u>4.1</u>	<u>4.4</u>	<u>3.9</u>



ESTIMATED UNIT FUEL COST

The estimated unit fuel costs listed below are associated with the Avoided Unit and are based on current estimates of the price of natural gas.

\$/MMBTU

<u>2015201</u>	<u>2016201</u>	<u>2017201</u>	<u>2018201</u>	<u>2019202</u>	<u>2020202</u>	<u>2021202</u>	<u>2022202</u>	<u>2023202</u>
<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
<u>4.444.00</u>	<u>4.564.11</u>	<u>5.254.49</u>	<u>5.755.15</u>	<u>6.036.17</u>	<u>6.626.40</u>	<u>6.936.65</u>	<u>7.166.91</u>	<u>7.397.18</u>

DELIVERY VOLTAGE ADJUSTMENT

DEF's average system line losses are analyzed annually for the prior calendar year, and delivery efficiencies are developed for the transmission, distribution primary, and distribution secondary voltage levels. This analysis is provided in the DEF's Procedures For Changing The Real Power Loss Factor (currently Attachment Q) in its Open Access Transmission Tariff and DEF's semi-annual fuel cost recovery filing with the FPSC ~~in Exhibit Schedule E1~~. An adjustment factor, calculated as the reciprocal of the appropriate delivery efficiency factor, is applicable to the above determined energy costs if the RF/QF is within DEF's service territory to reflect the delivery voltage level at which RF/QF energy is received by the DEF.

The current delivery voltage adjustment factors are:

<u>Delivery Voltage</u>	<u>Adjustment Factor</u>
Transmission Voltage Delivery	<u>1.01491.0134</u>
Primary Voltage Delivery	<u>1.02491.0234</u>
Secondary Voltage Delivery	<u>1.06391.0536</u>

PERFORMANCE CRITERIA

Payments for firm Capacity are conditioned on the RF/QF's ability to maintain the following performance criteria:

A. Capacity Delivery Date

The Capacity Delivery Date shall be no later than the Required Capacity Delivery Date.

B. Availability and Capacity Factor



SECTION No. IX
~~EIGHTH-NINTH~~ REVISED SHEET NO. 9.458
CANCELS ~~SEVENTH-EIGHTH~~ REVISED SHEET NO. 9.458

The Facility's availability and capacity factor are used in the determination of firm Capacity Payments through a performance based calculation as detailed in Appendix A to the Contract.



**SCHEDULE 2
 TO RATE SCHEDULE COG-2CAPACITY OPTION PARAMETERS**

**FIXED VALUE OF DEFERRAL PAYMENTS -
 NORMAL CAPACITY OPTION PARAMETERS**

Where, for one year deferral:

		<u>Value</u>
VAC_m	= DEF's value of avoided capacity and O&M, in dollars per kilowatt per month, during month m;	9.974.64
K	= present value of carrying charges for one dollar of investment over L years with carrying charges computed using average annual rate base and assumed to be paid at the middle of each year and present valued to the middle of the first year;	1.3671.298
I_n	= total direct and indirect cost, in mid-year dollars per kilowatt including AFUDC but excluding CWIP, of the Avoided Unit with an in-service date of year n;	1613.11713. <u>38</u>
O_n	= total fixed operation and maintenance expense, for the year n, in mid-year dollars per kilowatt per year, of the Avoided Unit;	7.855.90
i_p	= annual escalation rate associated with the plant cost of the Avoided Unit;	2.50%
i_o	= annual escalation rate associated with the operation and maintenance expense of the Avoided Unit;	2.50%
r	= annual discount rate, defined as DEF's incremental after-tax cost of capital;	6.466.95%
L	= expected life of the Avoided Unit;	35
n	= year for which the Avoided Unit is deferred starting with the Avoided Unit In-Service Date and ending with the Termination Date.	2021 <u>2024</u>



**FIXED VALUE OF DEFERRAL PAYMENTS -
EARLY CAPACITY OPTION PARAMETERS**

A_m	=	monthly avoided capital cost component of Capacity Payments to be made to the RF/QF starting as early as five-two years prior to the Avoided Unit In-Service Date, in dollars per kilowatt per month;	<u>5.103.19</u>
i_p	=	annual escalation rate associated with the plant cost of the Avoided Unit;	2.50%
n	=	year for which early Capacity Payments to a RF/QF are to begin;	2016 <u>2022</u>
F	=	the cumulative present value of the avoided capital cost component of Capacity Payments which would have been made had Capacity Payments commenced with the anticipated in-service date of the Avoided Unit and continued for a period of 10 years;	660.53 <u>244.04</u>
r	=	annual discount rate, defined as DEF's incremental after-tax cost of capital;	6.466.95 %
t	=	the Term, in years, of the Contract for the purchase of firm capacity commencing prior to the in-service date of the Avoided Unit;	16 <u>13</u>
G	=	the cumulative present value of the avoided fixed operation and maintenance expense component of Capacity Payments which would have been made had Capacity Payments commenced with the anticipated in-service date of the Avoided Unit and continued until the Termination Date.	46.41 <u>28.93</u>

**ECONOMIC / FINANCIAL ASSUMPTIONS
and K FACTOR**

**Duke Energy Florida
Renewable Standard Offer Contract
Economic Assumptions**

CAPITALIZATION RATIOS

Debt	47.0%
Preferred	0.0%
Equity	53.0%

DISCOUNT RATE

6.95%

RATE OF RETURN

Debt	4.55%
Preferred	0.00%
Equity	10.50%

BOOK DEPRECIATION LIFE

35 Years

INCOME TAX RATE

Effective	35.26%
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TAX DEPRECIATION LIFE

15 Years

OTHER TAXES AND INS.

0.97%

**Duke Energy Florida
Renewable Standard Offer Contract
Unit Information**

PLANT TYPE: Combustion Turbine Facility

NET CAPACITY: 811 MW

BOOK LIFE: 35 Years

INTALLED COST (IN-SERVICE YEAR 2024)

TOTAL INSTALLED COST (\$/KW)	713.38
DIRECT CONSTRUCTION COST (\$/KW) (2015)	553.87
AFUDC AMOUNT (\$/KW)	31.75
ESCALATION	127.76
FIXED O & M (\$/KW-YR) (2015)	4.73
VARIABLE O & M (\$/KWH) (2015)	9.19
K FACTOR	1.298

**AMENDED INTERCONNECTION AGREEMENT
(Clean copy)**

Tariff Sheets:

9.703, 9.704, 9.705, 9.706, 9.707, 9.708, 9.709 and 9.710

- 3.5 The Parties agree that any cost or scheduling estimates provided by the Company hereunder shall be prepared in good faith but shall not be binding. The Company may modify such schedules as necessary to accommodate contingencies that affect the Company's ability to initiate or complete the Company's Interconnection Facilities and actual costs will be used as the basis for all final charges hereunder.
- 3.6 All studies required for interconnection and the construction of any interconnection facilities required shall be placed in the queue with any other interconnection requests to ensure that all interconnection requests to the Company's system promote current best practices, are just and reasonable, and are not discriminatory or preferential.

4.0 Payment Obligations for Interconnection Costs.

- 4.1 The Company shall have no obligation to initiate construction of the Company's Interconnection Facilities prior to a written notice from the QF agreeing to the Company's interconnection design requirements and notifying the Company to initiate its activities to construct the Company's Interconnection Facilities; provided, however, that such notice shall be received not later than the date specified by the Company under section 3.2 hereof. The QF shall be liable for and agrees to pay all Interconnection Costs incurred by the Company on or after the specified date for initiation of construction.
- 4.2 The QF agrees to pay all of the Company's actual Interconnection Costs as such costs are incurred and billed in accordance with the Power Purchase Agreement. Such amounts shall be billed pursuant to section 4.2.1 if the QF elects the payment option permitted by FPSC Rule 25-17.087(3). Otherwise the QF shall be billed pursuant to section 4.2.2.
- 4.2.1 Upon a showing of credit worthiness, the QF shall have the option of making monthly installment payments for Interconnection Costs over a period no longer than thirty six (36) months. The period selected is _____ months. Principal payments will be based on the estimated Interconnection Costs less the Interconnection Costs Offset, divided by the repayment period in months to determine the monthly principal payment. Payments will be invoiced in the first month following first incurrence of Interconnection Costs by the Company. Invoices to the QF will include principal payments plus interest on the unpaid balance, if any, calculated at a rate equal to the thirty (30) day highest grade commercial paper rate as published in the Wall Street Journal on the first business day of each month. The final payment or payments will be adjusted to cause the sum of principal payments to equal the actual Interconnection Costs.
- 4.2.2 When Interconnection Costs are incurred by the Company, such costs will be billed to the QF to the extent that they exceed the Interconnection Costs Offset.

4.3 If the QF notifies the Company in writing to interrupt or cease interconnection work at any time and for any reason, the QF shall nonetheless be obligated to pay the Company for all costs incurred in connection with the Company's Interconnection Facilities through the date of such notification and for all additional costs for which the Company is responsible pursuant to binding contracts with third parties.

5.0 Payment Obligation for Operation, Maintenance and Repair of the Company's Interconnection Facilities

The Qualifying Facility shall be billed monthly for the costs associated with the operation, maintenance, and repair of the interconnection. These include (a) the Company's inspections of the interconnection and (b) maintenance of any equipment beyond that which would be required to provide normal electric service to the Qualifying Facility if no sales to the Company were involved.

The Qualifying Facility shall pay a monthly charge equal to 0.50% of the Interconnection Costs less the Interconnection Costs Offset.

6.0 Schematic Diagram

Exhibit B-1, attached hereto and made a part hereof, is a schematic diagram showing the major circuit components connecting the Facility and the Company's [substation] and showing the Point of Delivery and the Point of Metering and/or Point of Ownership, if different. All switch number designations initially left blank on Exhibit B-1 will be inserted by the Company on or before the date on which the Facility first operates in parallel with the Company's system.

7.0 Operating Standards

7.1 The QF and the Company will independently provide for the safe operation of their respective facilities, including periods during which the other Party's facilities are unexpectedly energized or de-energized.

7.2 The QF shall reduce, curtail, or interrupt electrical generation or take other appropriate action for so long as it is reasonably necessary, which in the judgment of the QF or the Company may be necessary to operate and maintain a part of either Party's system, to address, if applicable, an emergency on either Party's system.

7.3 The deliveries from the QF shall not exceed the amount studied and approved by the Company pursuant to the studies performed in Section 3 of this Agreement.

- 7.4 As may be provided in the Power Purchase Agreement, the QF shall not operate the Facility's electric generation equipment in parallel with the Company's system without prior written consent of the Company. Such consent shall not be given until the QF has satisfied all criteria under the Power Purchase Agreement and has:
- (i) submitted to and received consent from the Company of its as-built electrical specifications;
 - (ii) demonstrated to the Company's satisfaction that the Facility is in compliance with the insurance requirements of the Power Purchase Agreement; and
 - (iii) demonstrated to the Company's satisfaction that the Facility is in compliance with all regulations, rules, orders, or decisions of any governmental or regulatory authority having jurisdiction over the Facility's generating equipment or the operation of such equipment.
- 7.5 Any proposed modifications to the electrical equipment of the Facility will be submitted to the Company for approval. It is further understood that the scope of some modifications may require new interconnection studies that will result in additional interconnections costs along with other costs detailed in Section 5 of the Agreement. After any approved Facility modifications are completed, the QF shall not resume parallel operation with the Company's system until the QF has demonstrated that it is in compliance with all the requirements of section 8.2 hereof.
- 7.6 The QF shall be responsible for coordination and synchronization of the Facility's equipment with the Company's electrical system, and assumes all responsibility for damage that may occur from improper coordination or synchronization of the generator with the utility's system.
- 7.7 The Company shall have the right to open and lock, with a Company padlock, manual disconnect switch numbers(s) _____ and isolate the Facility's generation system without prior notice to the QF. To the extent practicable, however, prior notice shall be given. Any of the following conditions shall be cause for disconnection:
- 1. Company system emergencies and/or maintenance repair and construction requirements;
 - 2. hazardous conditions existing on the Facility's generating or protective equipment as determined by the Company;
 - 3. adverse effects of the Facility's generation to the Company's other electric consumers and/or system as determined by the Company;
 - 4. failure of the QF to maintain any required insurance; or

5. failure of the QF to comply with any existing or future regulations, rules, orders or decisions of any governmental or regulatory authority having jurisdiction over the Facility's electric generating equipment or the operation of such equipment.
- 7.8 The Facility's electric generation equipment shall not be operated in parallel with the Company's system when auxiliary power is being provided from a source other than the Facility's electric generation equipment.
- 7.9 Neither Party shall operate switching devices owned by the other Party, except that the Company may open the manual disconnect switch number(s) _____ owned by the QF pursuant to section 7.7 hereof.
- 7.10 Should one Party desire to change the operating position of a switching device owned by the other Party, the following procedures shall be followed:
 - (i) The Party requesting the switching change shall orally agree with an authorized representative of the other Party regarding which switch or switches are to be operated, the requested position of each switching device, and when each switch is to be operated.
 - (ii) The Party performing the requested switching shall notify the requesting Party when the requested switching change has been completed.
 - (iii) Neither Party shall rely solely on the other party's switching device to provide electrical isolation necessary for personnel safety. Each Party will perform work on its side of the Point of Ownership as if its facilities are energized or test for voltage and install grounds prior to beginning work.
 - (iv) Each Party shall be responsible for returning its facilities to approved operating conditions, including removal of grounds, prior to the Company authorizing the restoration of parallel operation.
 - (v) The Company shall install one or more red tags similar to the red tag shown in Exhibit B-2 attached hereto and made a part hereof, on all open switches. Only Company personnel on the Company's switching and tagging list shall remove and/or close any switch bearing a Company red tag under any circumstances.
- 7.11 Should any essential protective equipment fail or be removed from service for maintenance or construction requirements, the Facility's electric generation equipment shall be disconnected from the Company's system. To accomplish this disconnection, the QF shall either (i) open the generator breaker number(s) _____; or (ii) open the manual disconnect switch number(s) _____.

7.11.1 If the QF elects option (i), the breaker assembly shall be opened and drawn out by QF personnel. As promptly as practicable, Company personnel shall install a Company padlock and a red tag on the breaker enclosure door.

7.11.2 If the QF elects option (ii), the switch shall be opened by QF personnel or by Company personnel and, as promptly as practicable, Company personnel will install a Company padlock and a red tag.

8.0 Inspection and Testing

8.1 The inspection and testing of all electrical relays governing the operation of the generator's circuit breaker shall be performed in accordance with manufacturer's recommendations, but in no case less than once every 12 months. This inspection and testing shall include, but not be limited to, the following:

- (i) electrical checks on all relays and verification of settings electrically;
- (ii) cleaning of all contacts;
- (iii) complete testing of tripping mechanisms for correct operating sequence and proper time intervals; and
- (iv) visual inspection of the general condition of the relays.

8.2 In the event that any essential relay or protective equipment is found to be inoperative or in need of repair, the QF shall notify the Company of the problem and cease parallel operation of the generator until repairs or replacements have been made. The QF shall be responsible for maintaining records of all inspections and repairs and shall make said records available to the Company upon request.

8.3 The Company shall have the right to operate and test any of the Facility's protective equipment to assure accuracy and proper operation. This testing shall not relieve the QF of the responsibility to assure proper operation of its equipment and to perform routine maintenance and testing.

9.0 Notification

9.1 Communications made for emergency or operational reasons may be made to the following persons and shall thereafter be confirmed promptly in writing:

To The Company: System Dispatcher on Duty
Title: System Dispatcher
Telephone: (727)384-7211
Telecopier: (727)384-7865

To The QF: Name: _____
Title: _____
Telephone: _____
Telecopier: _____

9.2 Each Party shall provide as much notification as practicable to the other Party regarding planned outages of equipment that may affect the other Party's operation.

10.1 Standards

Interconnection with, and delivery into, the Company's system must be accomplished in accordance with the provisions of FPSC Rule 25-17.087. Additionally, as provided in FPSC Order No. PSC-06-0707-PAA-EI, issued August 18, 2006, in Docket No. 060410-EI, for a QF that is a Distributed Resource, the QF's interconnection with the Company's system must be accomplished in accordance with the provisions of the IEEE Standard 1547 for Interconnecting Distributed Resources with Electric Power Systems that is in effect at the time of construction.

10.1 The following minimum guidelines shall also be met:

- a. The governor control on the prime mover shall be capable of maintaining the generator output frequency within limits for loads from no-load up to rated output. The limits for frequency shall be 60 hertz (cycles per second), plus or minus an instantaneous variation of less than 1%.
- b. The regulator control shall be capable of maintaining the generator output voltage within limits from no-load up to rated output. The limits for voltage shall be the nominal operating voltage, plus or minus 5%.
- c. The output sine wave distortion shall be deemed acceptable if it does not have a higher content (root mean squared) of harmonics than the Company's normal harmonic content at the interconnection point.
- d. The QF's generation shall be designed, operated, and controlled to provide reactive power requirements from 0.95 lagging to 0.95 leading power factor at the point of interconnection with the Company. Induction generators shall have static capacitors that provide at least 95% of the magnetizing current requirements of the induction generator field. Capacitors shall not be so large as to permit self-excitation of the QF's generator field.
- e. Direct current (DC) generators may be operated in parallel with the Company's system through a synchronous inverter. The inverter must meet all the criteria in this Agreement.



SECTION No. IX
FIRST REVISED SHEET 9.709
CANCELS ORIGINAL SHEET No. 9.709

EXHIBIT B-1

Exhibit B-1 will be unique for each Facility
and must be complete prior to parallel
operation with the Company

ISSUED BY: Javier Portuondo, Director, Rates & Regulatory Strategy - FL
EFFECTIVE:

EXHIBIT B-2

A switch or switch point (i.e., elbow, open jumpers, etc.) with a red tag attached is open and shall not be closed under any circumstances. After a switch has been red tagged, that switch cannot be closed until the red tag is removed. Red tags can only be removed when authorized by a specific written order.

**AMENDED INTERCONNECTION AGREEMENT
(Legislative copy)**

Tariff Sheets:

9.703, 9.704, 9.705, 9.706, 9.707, 9.708, 9.709 and 9.710

3.5 The Parties agree that any cost or scheduling estimates provided by the Company hereunder shall be prepared in good faith but shall not be binding. The Company may modify such schedules as necessary to accommodate contingencies that affect the Company's ability to initiate or complete the Company's Interconnection Facilities and actual costs will be used as the basis for all final charges hereunder.

3.6 All studies required for interconnection and the construction of any interconnection facilities required shall be placed in the queue with any other interconnection requests to ensure that all interconnection requests to the Company's system promote current best practices, are just and reasonable, and are not discriminatory or preferential.

4.0 Payment Obligations for Interconnection Costs.

4.1 The Company shall have no obligation to initiate construction of the Company's Interconnection Facilities prior to a written notice from the QF agreeing to the Company's interconnection design requirements and notifying the Company to initiate its activities to construct the Company's Interconnection Facilities; provided, however, that such notice shall be received not later than the date specified by the Company under section 3.2 hereof. The QF shall be liable for and agrees to pay all Interconnection Costs incurred by the Company on or after the specified date for initiation of construction.

4.2 The QF agrees to pay all of the Company's actual Interconnection Costs as such costs are incurred and billed in accordance with the Power Purchase Agreement. Such amounts shall be billed pursuant to section 4.2.1 if the QF elects the payment option permitted by FPSC Rule 25-17.087(3). Otherwise the QF shall be billed pursuant to section 4.2.2.

4.2.1 Upon a showing of credit worthiness, the QF shall have the option of making monthly installment payments for Interconnection Costs over a period no longer than thirty six (36) months. The period selected is _____ months. Principal payments will be based on the estimated Interconnection Costs less the Interconnection Costs Offset, divided by the repayment period in months to determine the monthly principal payment. Payments will be invoiced in the first month following first incurrence of Interconnection Costs by the Company. Invoices to the QF will include principal payments plus interest on the unpaid balance, if any, calculated at a rate equal to the thirty (30) day highest grade commercial paper rate as published in the Wall Street Journal on the first business day of each month. The final payment or payments will be adjusted to cause the sum of principal payments to equal the actual Interconnection Costs.

4.2.2 When Interconnection Costs are incurred by the Company, such costs will be billed to the QF to the extent that they exceed the Interconnection Costs Offset.



SECTION No. IX
~~ORIGINAL FIRST REVISED SHEET No. 9.703~~
~~CANCELS ORIGINAL SHEET No. 9.703~~

~~4.3—If the QF notifies the Company in writing to interrupt or cease interconnection work at any time and for any reason, the QF shall nonetheless be obligated to pay the Company for all costs incurred in connection with the Company's Interconnection Facilities through the date of such notification and for all additional costs for which the Company is responsible pursuant to binding contracts with third parties~~

ISSUED BY: Javier Portuondo, Director, Rates & Regulatory Strategy - FL
EFFECTIVE: ~~October 2, 2014~~

4.3 If the QF notifies the Company in writing to interrupt or cease interconnection work at any time and for any reason, the QF shall nonetheless be obligated to pay the Company for all costs incurred in connection with the Company's Interconnection Facilities through the date of such notification and for all additional costs for which the Company is responsible pursuant to binding contracts with third parties.

5.0 Payment Obligation for Operation, Maintenance and Repair of the Company's Interconnection Facilities

The Qualifying Facility shall be billed monthly for the costs associated with the operation, maintenance, and repair of the interconnection. These include (a) the Company's inspections of the interconnection and (b) maintenance of any equipment beyond that which would be required to provide normal electric service to the Qualifying Facility if no sales to the Company were involved.

The Qualifying Facility shall pay a monthly charge equal to 0.50% of the Interconnection Costs less the Interconnection Costs Offset.

~~The QF also agrees to pay monthly through the term of the Agreement for all costs associated with the operation, maintenance and repair of the Company's Interconnection Facilities, based on a percentage of the total Interconnection Costs net of the Interconnection Costs Offset, as set forth in Appendix A of the Agreement for Purchase of As Available Energy and/or Parallel Operation With a Qualifying Facility.~~

6.0 Schematic Diagram

Exhibit B-1, attached hereto and made a part hereof, is a schematic diagram showing the major circuit components connecting the Facility and the Company's [substation] and showing the Point of Delivery and the Point of Metering and/or Point of Ownership, if different. All switch number designations initially left blank on Exhibit B-1 will be inserted by the Company on or before the date on which the Facility first operates in parallel with the Company's system.

7.0 Operating Standards

7.1 The QF and the Company will independently provide for the safe operation of their respective facilities, including periods during which the other Party's facilities are unexpectedly energized or de-energized.

7.2 The QF shall reduce, curtail, or interrupt electrical generation or take other appropriate action for so long as it is reasonably necessary, which in the judgment of the QF or the Company may be necessary to operate and maintain a part of either Party's system, to address, if applicable, an emergency on either Party's system.

7.3 The deliveries from the QF shall not exceed the amount studied and approved by the Company pursuant to the studies performed in Section 3 of this Agreement.

~~7.3—As may be provided in the Power Purchase Agreement, the QF shall not operate the Facility's electric generation equipment in parallel with the Company's system without prior written consent of the Company. Such consent shall not be given until the QF has satisfied all criteria under the Power Purchase Agreement and has:~~

- ~~(i)—submitted to and received consent from the Company of its as-built electrical specifications;~~
- ~~(ii)—demonstrated to the Company's satisfaction that the Facility is in compliance with the insurance requirements of the Power Purchase Agreement; and~~
- ~~(iii)—demonstrated to the Company's satisfaction that the Facility is in compliance with all regulations, rules, orders, or decisions of any governmental or regulatory authority having jurisdiction over the Facility's generating equipment or the operation of such equipment.~~

7.4 As may be provided in the Power Purchase Agreement, the QF shall not operate the Facility's electric generation equipment in parallel with the Company's system without prior written consent of the Company. Such consent shall not be given until the QF has satisfied all criteria under the Power Purchase Agreement and has:

- (i) submitted to and received consent from the Company of its as-built electrical specifications;
- (ii) demonstrated to the Company's satisfaction that the Facility is in compliance with the insurance requirements of the Power Purchase Agreement; and
- (iii) demonstrated to the Company's satisfaction that the Facility is in compliance with all regulations, rules, orders, or decisions of any governmental or regulatory authority having jurisdiction over the Facility's generating equipment or the operation of such equipment.

7.5 Any proposed modifications to the electrical equipment of the Facility will be submitted to the Company for approval. It is further understood that the scope of some modifications may require new interconnection studies that will result in additional interconnections costs along with other costs detailed in Section 5 of the Agreement.

After any approved Facility modifications are completed, the QF shall not resume parallel operation with the Company's system until the QF has demonstrated that it is in compliance with all the requirements of section 8.2 hereof.

7.56 The QF shall be responsible for coordination and synchronization of the Facility's equipment with the Company's electrical system, and assumes all responsibility for damage that may occur from improper coordination or synchronization of the generator with the utility's system.

7.67 The Company shall have the right to open and lock, with a Company padlock, manual disconnect switch numbers(s) _____ and isolate the Facility's generation system without prior notice to the QF. To the extent practicable, however, prior notice shall be given. Any of the following conditions shall be cause for disconnection:

1. Company system emergencies and/or maintenance repair and construction requirements;
2. hazardous conditions existing on the Facility's generating or protective equipment as determined by the Company;
3. adverse effects of the Facility's generation to the Company's other electric consumers and/or system as determined by the Company;
4. failure of the QF to maintain any required insurance; or

~~5. failure of the QF to comply with any existing or future regulations, rules, orders or decisions of any governmental or regulatory authority having jurisdiction over the Facility's electric generating equipment or the operation of such equipment.~~

~~7.7 The Facility's electric generation equipment shall not be operated in parallel with the Company's system when auxiliary power is being provided from a source other than the Facility's electric generation equipment.~~

~~7.8 Neither Party shall operate switching devices owned by the other Party, except that the Company may open the manual disconnect switch number(s) _____ owned by the QF pursuant to section 7.6 hereof.~~

~~7.9 Should one Party desire to change the operating position of a switching device owned by the other Party, the following procedures shall be followed:~~

~~(i) The Party requesting the switching change shall orally agree with an authorized representative of the other Party regarding which switch or switches are to be operated, the requested position of each switching device, and when each switch is to be operated.~~

5. failure of the QF to comply with any existing or future regulations, rules, orders or decisions of any governmental or regulatory authority having jurisdiction over the Facility's electric generating equipment or the operation of such equipment.

7.8 The Facility's electric generation equipment shall not be operated in parallel with the Company's system when auxiliary power is being provided from a source other than the Facility's electric generation equipment.

7.9 Neither Party shall operate switching devices owned by the other Party, except that the Company may open the manual disconnect switch number(s) _____ owned by the QF pursuant to section 7.6-7 hereof.

7.10 Should one Party desire to change the operating position of a switching device owned by the other Party, the following procedures shall be followed:

(i) The Party requesting the switching change shall orally agree with an authorized representative of the other Party regarding which switch or switches are to be operated, the requested position of each switching device, and when each switch is to be operated.

(ii) The Party performing the requested switching shall notify the requesting Party when the requested switching change has been completed.

(iii) Neither Party shall rely solely on the other party's switching device to provide electrical isolation necessary for personnel safety. Each Party will perform work on its side of the Point of Ownership as if its facilities are energized or test for voltage and install grounds prior to beginning work.

(iv) Each Party shall be responsible for returning its facilities to approved operating conditions, including removal of grounds, prior to the Company authorizing the restoration of parallel operation.

(v) The Company shall install one or more red tags similar to the red tag shown in Exhibit B-2 attached hereto and made a part hereof, on all open switches. Only Company personnel on the Company's switching and tagging list shall remove and/or close any switch bearing a Company red tag under any circumstances.

7.1011 Should any essential protective equipment fail or be removed from service for maintenance or construction requirements, the Facility's electric generation equipment shall be disconnected from the Company's system. To accomplish this disconnection, the QF shall either (i) open the generator breaker number(s) _____; or (ii) open the manual disconnect switch number(s) _____.

~~7.10.1 If the QF elects option (i), the breaker assembly shall be opened and drawn out by QF personnel. As promptly as practicable, Company personnel shall install a Company padlock and a red tag on the breaker enclosure door.~~

~~7.10.2 If the QF elects option (ii), the switch shall be opened by QF personnel or by Company personnel and, as promptly as practicable, Company personnel will install a Company padlock and a red tag.~~

~~8.0 Inspection and Testing~~

~~8.1 The inspection and testing of all electrical relays governing the operation of the generator's circuit breaker shall be performed in accordance with manufacturer's recommendations, but in no case less than once every 12 months. This inspection and testing shall include, but not be limited to, the following:~~

- ~~(i) electrical checks on all relays and verification of settings electrically;~~
- ~~(ii) cleaning of all contacts;~~
- ~~(iii) complete testing of tripping mechanisms for correct operating sequence and proper time intervals; and~~

7.11.1 If the QF elects option (i), the breaker assembly shall be opened and drawn out by QF personnel. As promptly as practicable, Company personnel shall install a Company padlock and a red tag on the breaker enclosure door.

7.11.2 If the QF elects option (ii), the switch shall be opened by QF personnel or by Company personnel and, as promptly as practicable, Company personnel will install a Company padlock and a red tag.

8.0 Inspection and Testing

8.1 The inspection and testing of all electrical relays governing the operation of the generator's circuit breaker shall be performed in accordance with manufacturer's recommendations, but in no case less than once every 12 months. This inspection and testing shall include, but not be limited to, the following:

(i) electrical checks on all relays and verification of settings electrically;

(ii) cleaning of all contacts;

(iii) complete testing of tripping mechanisms for correct operating sequence and proper time intervals; and

(iv) visual inspection of the general condition of the relays.

8.2 In the event that any essential relay or protective equipment is found to be inoperative or in need of repair, the QF shall notify the Company of the problem and cease parallel operation of the generator until repairs or replacements have been made. The QF shall be responsible for maintaining records of all inspections and repairs and shall make said records available to the Company upon request.

8.3 The Company shall have the right to operate and test any of the Facility's protective equipment to assure accuracy and proper operation. This testing shall not relieve the QF of the responsibility to assure proper operation of its equipment and to perform routine maintenance and testing.

9.0 Notification

9.1 Communications made for emergency or operational reasons may be made to the following persons and shall thereafter be confirmed promptly in writing:

To The Company: System Dispatcher on Duty

Title: System Dispatcher

Telephone: (727)384-7211

Telecopier: (727)384-7865



To The QF: Name: _____
Title: _____
Telephone: _____
Telecopier: _____

~~9.2 Each Party shall provide as much notification as practicable to the other Party regarding planned outages of equipment that may affect the other Party's operation.~~

~~10.0 Standards~~

~~Interconnection with, and delivery into, the Company's system must be accomplished in accordance with the provisions of FPSC Rule 25-17.087. Additionally, as provided in FPSC Order No. PSC 06-0707 PAA EI, issued August 18, 2006, in Docket No. 060410 EI, for a QF that is a Distributed Resource, the QF's interconnection with the Company's system must be accomplished in accordance with the provisions of the IEEE Standard 1547 for Interconnecting Distributed Resources with Electric Power Systems that is in effect at the time of construction.~~



EXHIBIT B-1

~~Exhibit B-1 will be unique for each Facility
and must be complete prior to parallel
operation with the Company~~

~~To The QF: Name: _____
Title: _____
Telephone: _____
Telecopier: _____~~

9.2 Each Party shall provide as much notification as practicable to the other Party regarding planned outages of equipment that may affect the other Party's operation.

10.1 Standards

Interconnection with, and delivery into, the Company's system must be accomplished in accordance with the provisions of FPSC Rule 25-17.087. Additionally, as provided in FPSC Order No. PSC-06-0707-PAA-EI, issued August 18, 2006, in Docket No. 060410-EI, for a QF that is a Distributed Resource, the QF's interconnection with the Company's system must be accomplished in accordance with the provisions of the IEEE Standard 1547 for Interconnecting Distributed Resources with Electric Power Systems that is in effect at the time of construction.

10.1 The following minimum guidelines shall also be met:

- a. The governor control on the prime mover shall be capable of maintaining the generator output frequency within limits for loads from no-load up to rated output. The limits for frequency shall be 60 hertz (cycles per second), plus or minus an instantaneous variation of less than 1%.

- b. The regulator control shall be capable of maintaining the generator output voltage within limits from no-load up to rated output. The limits for voltage shall be the nominal operating voltage, plus or minus 5%.

- c. The output sine wave distortion shall be deemed acceptable if it does not have a higher content (root mean squared) of harmonics than the Company's normal harmonic content at the interconnection point.

- d. The QF's generation shall be designed, operated, and controlled to provide reactive power requirements from 0.95 lagging to 0.95 leading power factor at the point of interconnection with the Company. Induction generators shall have static capacitors that provide at least 95% of the magnetizing current requirements of the induction generator field. Capacitors shall not be so large as to permit self-excitation of the QF's generator field.

- e. Direct current (DC) generators may be operated in parallel with the Company's system through a synchronous inverter. The inverter must meet all the criteria in this Agreement.

EXHIBIT B-2

~~A switch or switch point (i.e., elbow, open jumpers, etc.) with a red tag attached is open and shall not be closed under any circumstances. After a switch has been red tagged, that switch cannot be closed until the red tag is removed. Red tags can only be removed when authorized by a specific written order.~~

EXHIBIT B-1

Exhibit B-1 will be unique for each Facility
and must be complete prior to parallel
operation with the Company

EXHIBIT B-2

A switch or switch point (i.e., elbow, open jumpers, etc.) with a red tag attached is open and shall not be closed under any circumstances. After a switch has been red tagged, that switch cannot be closed until the red tag is removed. Red tags can only be removed when authorized by a specific written order.