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September 12, 2011

Ms. Ann Cole
Division of the Commission Clerk and
Administrative Services
Florida Public Service Commission
Betty Easley Conference Center
2540 Shumard Oak Boulevard, Room 110
Tallahassee, FL 32399-0850

Re: Docket No. 110091-EQ - Petition for Approval of Renewable Energy Tariff and Standard Offer Contract by Florida Power & Light Company

Dear Ms. Cole:

Please find enclosed for filing an original and five (5) copies of Florida Power & Light Company's responses to Staff's Third Data Request in the above-mentioned docket.

Thank you for your assistance. Please contact me should you or your staff have any questions regarding this filing.

Sincerely,

William P. Cox
Senior Attorney
Florida Bar No. 0093531

WPC/bag
Enclosures

cc: Charles Murphy, Esq. (w/enc.)

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Q.

It is Staff's understanding that the Modernization of the Port Everglades Plant has replaced the 2016 combined-cycle greenfield unit, described in FPL's 2011 standard offer contract, as the Company's next avoidable unit. Is this understanding correct?

A.

While FPL currently anticipates that the Modernization of the Port Everglades unit (PEM) will be constructed instead of the 2016 combined cycle Greenfield unit, and hence is its next "avoided unit" for most purposes, FPL does not believe this is the case for purposes of its Standard Offer Contract (SOC) under the provisions of Rule 25-17.250, F.A.C.

Rule 25-17.250(1), F.A.C., specifies that " A separate standard offer contract shall be based on the next avoidable fossil fueled generating unit of each technology type identified in the utility's Ten Year Site Plan filed pursuant to Rule 25-22.071, F.A.C." (emphasis added). FPL's current SOC before the Commission is based on a 2016 greenfield 3 x 1 combined cycle facility, identified in FPL's 2011 Ten Year Site Plan as the next fossil fueled generating unit, and is therefore consistent with the requirements of Rule 25-17.250(1), F.A.C. It should be noted that one of the site options for this unit discussed in the Ten Year Site Plan is a modernization (*i.e.*, repowering) of Port Everglades-

Utility generation plans are a continuous work in progress as technologies, prices, fuel costs, and loads continually change. As required by Section 186.801, Fla. Stat., the Ten Year Site Plan is a snapshot of the utility's estimated plans at a single point in time, with the recognition that the Ten Year Site Plan represents tentative information for planning purposes only. The SOC is required to be continuously offered and is developed from the Ten Year Site Plan. If utilities were required to continuously update the SOC with changing prices and avoided units as their internal plans change, the certainty the SOC provides to renewable generators would disappear, frustrating the purpose of the SOC.

Rule 25-17.250(2)(a), F.A.C., provides for three conditions under which the SOC based on the Ten Year Site Plan would be closed and a new SOC be filed: 1) if an RFP is issued for the avoided unit; 2) if the utility files a determination of need or commences construction; and 3) if the utility files a petition with the Commission or indicates in its Ten Year Site Plan that the generating unit on which the SOC is based is no longer part of the utility's generating plan. None of these conditions applies in this instance.

First, the Commission has waived the requirement under Rule 25-22.082, F.A.C. for FPL to issue an RFP on the Port Everglades modernization, therefore condition 1 does not apply. Second, FPL is currently performing the analysis necessary to support a filing for

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a determination of need for this unit, but has not yet done so, therefore condition 2 does not apply.

Third, FPL has not changed its Ten Year Site Plan, therefore the second part of condition 3 does not apply. Arguably, FPL's July 19, 2011, petition filed with the Commission for an exemption from the RFP requirements of Rule 25-22.082, F.A.C. could be construed as a petition that might satisfy condition 3. In that instance, Rule 25-17.250(2)(b), F.A.C. requires that "before a standard contract offering is closed, the utility shall file a petition for approval of a new standard offer contract based on the next unit of the same generating technology, if any, in its Ten-Year Site Plan". The next unit of the same technology in FPL's current Ten-Year Site Plan is a 3 x 1 combined cycle greenfield unit in 2020. However, FPL does not believe that its July 19, 2011, petition satisfies condition 3 because it did not modify FPL's generation plan to remove the 2016 greenfield 3 x 1 combined cycle facility specified in FPL's 2011 Ten Year Site Plan.

For the above reasons, FPL believes that the SOC currently before the Commission is appropriate, complies with the rule, and should be approved. If, however, the Commission is of the view that PEM is the appropriate avoided unit for purposes of FPL's SOC instead of the greenfield 3 x1 proposed in FPL's 2011 Ten Year Site Plan, under the unique circumstances which currently prevail, FPL would not object.

In either event, it should be noted that upon filing of the determination of need for the PEM modernization, which is expected to occur before year-end, FPL will be required pursuant to Rule 25-17.250(2)(a)(2), F.A.C. to close its then-existing SOC and file a revised SOC based on the 2020 greenfield unit referenced above.

Q.

If the answer to 1 is "Yes," please (a) update Appendix II To Rate Schedule QS-2 based on the Modernization of the Port Everglades Plant, and (b) please update FPL's response to staff's first data request to reflect payments based on the Modernization of the Port Everglades Plant.

A.

FPL has attached Appendix II To Rate Schedule QS-2 based on the Modernization of the Port Everglades Plant (tariff sheet 10.311), and updated FPL's response to Commission Staff's first data request to reflect payments based on the Modernization of the Port Everglades Plant. FPL has also attached tariff sheets 10.301, 10.304, and 9.032 modified to reflect the Modernization of Port Everglades. Additionally, FPL attaches a revised Attachment E to its original petition to reflect the same change. Included in this response are the following attachments.

Attachment 1: Clean Tariff Sheet Nos. 9.032, 10.301, 10.304, 10.311.

Attachment 2: Tariff Sheet Nos. 9.032, 10.301, 10.304, 10.311 in Legislative Format

Attachment 3: Revised Attachment E, Economic Assumptions

Attachment 4: FPL's Response to Staff's First Data Request to Reflect Payments Based on the Modernization of the Port Everglades Plant

ATTACHMENT 1

Clean Tariff Sheets Nos. 9.032, 10.301, 10.304, 10.311

(Continued from Sheet No. 9.031)

- (c) If the QS is a REF, the QS shall, on an annual basis and within thirty (30) days after the anniversary date of this Contract and on an annual basis thereafter for the term of this Contract, deliver to FPL a report certified by an officer of the QS: (i) stating the type and amount of each source of fuel or power used by the QS to produce energy during the twelve month period prior to the anniversary date (the "Contract Year"); and (ii) verifying that one hundred percent (100%) of all energy sold by the QS to FPL during the Contract Year complies with Sections 1(a) and (b) of this Contract.
- (d) If the QS is a REF, the QS represents and warrants that the Facility meets the renewable energy requirements of Section 366.91(2)(a) and (b), Florida Statutes, and FPSC Rules 25-17.210(1) and (2), F.A.C., and that the QS shall continue to meet such requirements throughout the term of this Contract. FPL shall have the right at all times to inspect the Facility and to examine any books, records, or other documents of the QS that FPL deems necessary to verify that the Facility meets such requirements.
- (e) The Facility (i) has been certified or has self-certified as a "qualifying facility" pursuant to the Regulations of the Federal Energy Regulatory Commission ("FERC"), or (ii) has been certified by the FPSC as a "qualifying facility" pursuant to Rule 25-17.080(1). A QS that is a qualifying facility with a design capacity of less than 100 KW shall maintain the "qualifying status" of the Facility throughout the term of this Contract. FPL shall have the right at all times to inspect the Facility and to examine any books and records or other documents of the Facility that FPL deems necessary to verify the Facility's qualifying status. On or before March 31 of each year during the term of this Contract, the QS shall provide to FPL a certificate signed by an officer of the QS certifying that the Facility has continuously maintained qualifying status.

2. Term of Contract

Except as otherwise provided herein, this Contract shall become effective immediately upon its execution by the Parties and shall have the termination date stated in Appendix E, unless terminated earlier in accordance with the provisions hereof. Notwithstanding the foregoing, if the Capacity Delivery Date (as defined in Section 5.5) of the Facility is not accomplished by the QS before June 1, 2016, or such later date as may be permitted by FPL pursuant to Section 5 of this Contract, FPL will be permitted to terminate this Contract consistent with the terms herein without further obligations, duties or liability to the QS.

3. Minimum Specifications

Following are the minimum specifications pertaining to this Contract:

- 1. The avoided unit ("Avoided Unit") on which this Contract is based is a 1327 MW combined cycle unit.
- 2. This offer shall expire on April 1, 2012.
- 3. The date by which firm capacity and energy deliveries from the QS to FPL shall commence is June 1, 2016 (or such later date as may be permitted by FPL pursuant to Section 5 of this contract) unless the QS chooses a capacity payment option that provides for early capacity payments pursuant to the terms of this contract.
- 4. The period of time over which firm capacity and energy shall be delivered from the QS to FPL is as specified in Appendix E; provided, such period shall be no less than a minimum of ten (10) years after the in-service date of the Avoided Unit.
- 5. The following are the minimum performance standards for the delivery of firm capacity and energy by the QS to qualify for full capacity payments under this Contract:

	On Peak *	All Hours
Availability	94.0%	94.0%

* QS Performance and On Peak hours shall be as measured and/or described in FPL's Rate Schedule QS-2 attached hereto as Appendix A

(Continued on Sheet No. 9.033)

(Continued from Sheet No. 10.300)

RATES FOR PURCHASES BY THE COMPANY

Firm Capacity and Energy are purchased at a unit cost, in dollars per kilowatt per month and cents per kilowatt-hour, respectively, based on the value of deferring additional capacity required by the Company. For the purpose of this Schedule, an Avoided Unit has been designated by the Company. The Company's Avoided Unit has been identified as a 1327 MW combined cycle unit with an in-service date of June 1, 2016. Appendix I to this Schedule describes the methodology used to calculate payment schedules, applicable to the Company's Standard Offer Contract filed and approved pursuant to Section 366.91, Florida Statutes and to FPSC Rules 25-17.082 through 25-17.091, F.A.C and 25-17.200 through 25-17.310, F.A.C.

A. Firm Capacity Rates

Options A through E are available for payment of firm capacity which is produced by a QS and delivered to the Company. Once selected, an option shall remain in effect for the term of the Standard Offer Contract with the Company. A payment schedule, for the normal payment option as shown below, contains the monthly rate per kilowatt of Firm Capacity which the QS has contractually committed to deliver to the Company and is based on a contract term which extends ten (10) years beyond June 1, 2016. Payment schedules for other contract terms, as specified in Appendix E, will be made available to any QS upon request and may be calculated based upon the methodologies described in Appendix I. The currently approved parameters used to calculate the following schedule of payments are found in Appendix II to this Schedule.

Adjustment to Capacity Payment

The firm capacity rates will be adjusted to reflect the impact that the location of the QS will have on FPL system reliability due to constraints imposed on the operation of FPL transmission tie lines.

Appendix III shows, for illustration purposes, the factors that would be used to adjust the firm capacity rate for different geographical areas. The actual adjustment would be determined on a case-by-case basis. The amount of such adjustment, as well as a binding contract rate for firm capacity, shall be provided to the QS within sixty days of FPL execution of the signed Standard Offer Contract.

Option A - Fixed Value of Deferral Payments - Normal Capacity

Payment schedules under this option are based on the value of a year-by-year deferral of the Company's Avoided Unit with an in-service date of June 1, 2016, as described in Appendix I. Once this option is selected, the current schedule of payments shall remain fixed and in effect throughout the term of the Standard Offer Contract.

EXAMPLE MONTHLY CAPACITY PAYMENT IN \$/KW/MONTH
 2016 COMBINED CYCLE AVOIDED UNIT (1327 MW)
 STANDARD OFFER CONTRACT AVOIDED CAPACITY PAYMENTS
 FOR A CONTRACT TERM OF 10 YEARS
 (\$/KW/MONTH)

Contract Year		Normal Payment
From	To	Starting 06/01/2016
6/1/2016	5/31/2017	8.02
6/1/2017	5/31/2018	8.26
6/1/2018	5/31/2019	8.51
6/1/2019	5/31/2020	8.76
6/1/2020	5/31/2021	9.02
6/1/2021	5/31/2022	9.29
6/1/2022	5/31/2023	9.57
6/1/2023	5/31/2024	9.85
6/1/2024	5/31/2025	10.15
6/1/2025	5/31/2026	10.45

(Continued on Sheet No. 10.302)

(Continued from Sheet No. 10.303)

For any Dispatch Hour the firm energy rate shall be, on an hour-by-hour basis, the Company's Avoided Unit Energy Cost. For any other period during which energy is delivered by the QS to FPL, 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 calculated by FPL in accordance with FPSC Rule 25-17.0825, FAC, and FPL's Rate Schedule COG-1, as they may each be amended from time to time and (b) the Company's Avoided Unit Energy Cost. The Company's Avoided Unit Energy Cost, in cents per kilowatt-hour (¢/KWh) shall be defined as the product of: (a) the fuel price in \$/mmBTU as determined from gas prices published in Platts Inside FERC Gas Market Report, first of the month posting for Florida Gas Transmission Zone 3, plus all charges, surcharges and percentages that are in effect from time to time for service under Gulfstream Natural Gas System's Rate Schedule FTS; and (b) an average annual heat rate of 6,330 BTU per kilowatt hour; plus (c) an additional .0758¢ per kilowatt hour in mid 2016 dollars for variable operation and maintenance expenses which will be escalated based on the actual Producer Price Index. All energy purchases shall be adjusted for losses from the point of metering to the Delivery Point. The calculation of the Company's avoided energy cost reflects the delivery of energy from the geographical area of the Company in which the Delivery Point of the QS is located.

Option D- Fixed Firm Energy Payments Starting as early as the In-Service Date of the QS Facility

The calculation of payments to the QS for energy delivered to FPL may include an adjustment at the election of the QS in order to implement the provisions of Rule 25-17.250 (6) (b), F.A.C. Subsequent to the determination of full avoided cost and subject to the provisions of Rule 25-17.0832(3) (a) through (d), F.A.C., a portion of the base energy costs associated with the avoided unit, mutually agreed upon by the utility and renewable energy generator, shall be fixed and amortized on a present value basis over the term of the contract starting, at the election of the QS, as early as the in-service date of the QS. "Base energy costs associated with the avoided unit" means the energy costs of the avoided unit to the extent the unit would have operated. The portion of the base energy costs mutually agreed to by the Company and the QS shall be specified in Appendix E. The Company will provide the QS with a schedule of "Fixed Energy Payments" over the term of the Standard Offer Contract based on the applicable information specified in Appendix E.

ESTIMATED AS-AVAILABLE ENERGY COST

For informational purposes only, the estimated incremental avoided energy costs for the next ten annual periods are as follows. In addition, avoided energy cost payments will include .0016¢/KWh for variable operation and maintenance expenses.

<u>Applicable Period</u>	<u>On-Peak ¢/KWH</u>	<u>Off-Peak ¢/KWH</u>	<u>Average ¢/KWH</u>
2011	5.89	5.57	5.68
2012	5.14	4.71	4.85
2013	4.90	4.52	4.64
2014	4.84	4.50	4.61
2015	5.15	4.80	4.91
2016	5.86	5.40	5.55
2017	6.32	5.87	6.02
2018	6.60	6.22	6.35
2019	7.03	6.67	6.79
2020	7.53	6.97	7.15
2021	7.73	7.31	7.45

A MW block size ranging from 58 MW to 65 MW has been used to calculate the estimated As-Available energy cost.

ESTIMATED UNIT FUEL COST

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

<u>\$/MMBTU</u>									
<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>	<u>2025</u>
6.60	7.14	7.70	8.16	8.63	9.12	9.77	10.45	11.16	11.86

(Continued on Sheet No. 10.305)

APPENDIX II
 TO RATE SCHEDULE QS-2
 CAPACITY OPTION PARAMETERS

FIXED VALUE OF DEFERRAL PAYMENTS - NORMAL CAPACITY OPTION PARAMETERS

Where, for a one year deferral:	<u>Value</u>
VAC _m = Company's value of avoided capacity and O&M, in dollars per kilowatt per month, during month m;	\$8.02
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;	1.5133
I _n = total direct and indirect cost, in mid-year dollars per kilowatt including AFUDC but excluding CWIP, of the Company's Avoided Unit with an in-service date of year n;	\$929.91
O _n = total fixed operation and maintenance expense, for the year n, in mid-year dollars per kilowatt per year, of the Company's Avoided Unit;	\$16.76
i _p = annual escalation rate associated with the plant cost of the Company's Avoided Unit;	3.0%
i _o = annual escalation rate associated with the operation and maintenance expense of the Company's Avoided Unit;	2.65%
r = annual discount rate, defined as the Company's incremental after-tax cost of capital;	7.29%
L = expected life of the Company's Avoided Unit;	30
n = year for which the Company's Avoided Unit is deferred starting with its original anticipated in-service date and ending with the termination of the Standard Offer Contract.	2016

FIXED VALUE OF DEFERRAL PAYMENTS - EARLY CAPACITY OPTION PARAMETERS

A _m = monthly capacity payments to be made to the QS starting on the year the QS elects to start receiving early capacity payments, in dollars per kilowatt per month;	*
i _p = annual escalation rate associated with the plant cost of the Company's Avoided Unit;	3.0%
i _o = annual escalation rate associated with the operation and maintenance expense of the Company's Avoided Unit;	2.65%
n = year for which early capacity payments to a QS are to begin; (at the election of the QS early capacity payments may commence anytime after the actual in-service date of the QS facility and before the anticipated in-service date of the Company's avoided unit)	*
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 Company's Avoided Unit and continued for a period of 10 years;	\$953.51
r = annual discount rate, defined as the Company's incremental after-tax cost of capital;	7.29%
t = the term, in years, of the Standard Offer Contract for the purchase of firm capacity commencing in the year the QS elects to start receiving early capacity payments prior to the in-service date of the Company's Avoided Unit;	*
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 Company's Avoided Unit and continued for a period of 10 years.	\$198.65

*From Appendix E

ATTACHMENT 2

Tariff Sheet Nos. Nos. 9.032, 10.301, 10.304, 10.311
in Legislative Format

(Continued from Sheet No. 9.031)

- (c) If the QS is a REF, the QS shall, on an annual basis and within thirty (30) days after the anniversary date of this Contract and on an annual basis thereafter for the term of this Contract, deliver to FPL a report certified by an officer of the QS: (i) stating the type and amount of each source of fuel or power used by the QS to produce energy during the twelve month period prior to the anniversary date (the "Contract Year"); and (ii) verifying that one hundred percent (100%) of all energy sold by the QS to FPL during the Contract Year complies with Sections I(a) and (b) of this Contract.
- (d) If the QS is a REF, the QS represents and warrants that the Facility meets the renewable energy requirements of Section 366.91(2)(a) and (b), Florida Statutes, and FPSC Rules 25-17.210(1) and (2), F.A.C., and that the QS shall continue to meet such requirements throughout the term of this Contract. FPL shall have the right at all times to inspect the Facility and to examine any books, records, or other documents of the QS that FPL deems necessary to verify that the Facility meets such requirements.
- (e) The Facility (i) has been certified or has self-certified as a "qualifying facility" pursuant to the Regulations of the Federal Energy Regulatory Commission ("FERC"), or (ii) has been certified by the FPSC as a "qualifying facility" pursuant to Rule 25-17.080(1). A QS that is a qualifying facility with a design capacity of less than 100 KW shall maintain the "qualifying status" of the Facility throughout the term of this Contract. FPL shall have the right at all times to inspect the Facility and to examine any books and records or other documents of the Facility that FPL deems necessary to verify the Facility's qualifying status. On or before March 31 of each year during the term of this Contract, the QS shall provide to FPL a certificate signed by an officer of the QS certifying that the Facility has continuously maintained qualifying status.

2. Term of Contract

Except as otherwise provided herein, this Contract shall become effective immediately upon its execution by the Parties and shall have the termination date stated in Appendix E, unless terminated earlier in accordance with the provisions hereof. Notwithstanding the foregoing, if the Capacity Delivery Date (as defined in Section 5.5) of the Facility is not accomplished by the QS before June 1, ~~2025~~2016, or such later date as may be permitted by FPL pursuant to Section 5 of this Contract, FPL will be permitted to terminate this Contract consistent with the terms herein without further obligations, duties or liability to the QS.

3. Minimum Specifications

Following are the minimum specifications pertaining to this Contract:

- 1. The avoided unit ("Avoided Unit") on which this Contract is based is a ~~1212-1327~~ MW combined cycle unit.
- 2. This offer shall expire on April 1, ~~2011~~2012.
- 3. The date by which firm capacity and energy deliveries from the QS to FPL shall commence is June 1, ~~2025-2016~~ (or such later date as may be permitted by FPL pursuant to Section 5 of this contract) unless the QS chooses a capacity payment option that provides for early capacity payments pursuant to the terms of this contract.
- 4. The period of time over which firm capacity and energy shall be delivered from the QS to FPL is as specified in Appendix E; provided, such period shall be no less than a minimum of ten (10) years after the in-service date of the Avoided Unit.
- 5. The following are the minimum performance standards for the delivery of firm capacity and energy by the QS to qualify for full capacity payments under this Contract:

	On Peak *	All Hours
Availability	94.0%	94.0%

* QS Performance and On Peak hours shall be as measured and/or described in FPL's Rate Schedule QS-2 attached hereto as Appendix A

(Continued on Sheet No. 9.033)

(Continued from Sheet No. 10.300)

RATES FOR PURCHASES BY THE COMPANY

Firm Capacity and Energy are purchased at a unit cost, in dollars per kilowatt per month and cents per kilowatt-hour, respectively, based on the value of deferring additional capacity required by the Company. For the purpose of this Schedule, an Avoided Unit has been designated by the Company. The Company's Avoided Unit has been identified as a ~~+212-1327~~ MW combined cycle unit with an in-service date of June 1, ~~2025~~2016. Appendix I to this Schedule describes the methodology used to calculate payment schedules, applicable to the Company's Standard Offer Contract filed and approved pursuant to Section 366.91, Florida Statutes and to FPSC Rules 25-17.082 through 25-17.091, F.A.C and 25-17.200 through 25-17.310, F.A.C.

A. Firm Capacity Rates

Options A through E are available for payment of firm capacity which is produced by a QS and delivered to the Company. Once selected, an option shall remain in effect for the term of the Standard Offer Contract with the Company. A payment schedule, for the normal payment option as shown below, contains the monthly rate per kilowatt of Firm Capacity which the QS has contractually committed to deliver to the Company and is based on a contract term which extends ten (10) years beyond June 1, ~~2025~~2016. Payment schedules for other contract terms, as specified in Appendix E, will be made available to any QS upon request and may be calculated based upon the methodologies described in Appendix I. The currently approved parameters used to calculate the following schedule of payments are found in Appendix II to this Schedule.

Adjustment to Capacity Payment

The firm capacity rates will be adjusted to reflect the impact that the location of the QS will have on FPL system reliability due to constraints imposed on the operation of FPL transmission tie lines.

Appendix III shows, for illustration purposes, the factors that would be used to adjust the firm capacity rate for different geographical areas. The actual adjustment would be determined on a case-by-case basis. The amount of such adjustment, as well as a binding contract rate for firm capacity, shall be provided to the QS within sixty days of FPL execution of the signed Standard Offer Contract.

Option A - Fixed Value of Deferral Payments - Normal Capacity

Payment schedules under this option are based on the value of a year-by-year deferral of the Company's Avoided Unit with an in-service date of June 1, ~~2025~~2016, as described in Appendix I. Once this option is selected, the current schedule of payments shall remain fixed and in effect throughout the term of the Standard Offer Contract.

EXAMPLE MONTHLY CAPACITY PAYMENT IN \$/KW/MONTH
~~2025-2016~~ COMBINED CYCLE AVOIDED UNIT (~~+212-1327~~ MW)
 STANDARD OFFER CONTRACT AVOIDED CAPACITY PAYMENTS
 FOR A CONTRACT TERM OF 10 YEARS
 (\$/KW/MONTH)

Contract Year		Normal Payment
From	To	Starting
		06/01/ 2025 2016
6/1/ 2025 2016	5/31/ 2026 2017	+1.658.02
6/1/ 2026 2017	5/31/ 2027 2018	+2.018.26
6/1/ 2027 2018	5/31/ 2028 2019	+2.388.51
6/1/ 2028 2019	5/31/ 2029 2020	+2.768.76
6/1/ 2029 2020	5/31/ 2030 2021	+3.169.02
6/1/ 2030 2021	5/31/ 2031 2022	+3.569.29
6/1/ 2031 2022	5/31/ 2032 2023	+3.989.57
6/1/ 2032 2023	5/31/ 2033 2024	+4.419.85
6/1/ 2033 2024	5/31/ 2034 2025	+4.8510.15
6/1/ 2034 2025	5/31/ 2035 2026	+5.3110.45

(Continued on Sheet No. 10.302)

(Continued from Sheet No. 10.303)

For any Dispatch Hour the firm energy rate shall be, on an hour-by-hour basis, the Company's Avoided Unit Energy Cost. For any other period during which energy is delivered by the QS to FPL, 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 calculated by FPL in accordance with FPSC Rule 25-17.0825, FAC, and FPL's Rate Schedule COG-1, as they may each be amended from time to time and (b) the Company's Avoided Unit Energy Cost. The Company's Avoided Unit Energy Cost, in cents per kilowatt-hour (¢/KWh) shall be defined as the product of: (a) the fuel price in \$/mmBTU as determined from gas prices published in Platts Inside FERC Gas Market Report, first of the month posting for Florida Gas Transmission Zone 3, plus all charges, surcharges and percentages that are in effect from time to time for service under Gulfstream Natural Gas System's Rate Schedule FTS; and (b) an average annual heat rate of ~~6,480-330~~ BTU per kilowatt hour; plus (c) an additional .0758¢ per kilowatt hour in mid ~~2025-2016~~ dollars for variable operation and maintenance expenses which will be escalated based on the actual Producer Price Index. All energy purchases shall be adjusted for losses from the point of metering to the Delivery Point. The calculation of the Company's avoided energy cost reflects the delivery of energy from the geographical area of the Company in which the Delivery Point of the QS is located.

Option D- Fixed Firm Energy Payments Starting as early as the In-Service Date of the QS Facility

The calculation of payments to the QS for energy delivered to FPL may include an adjustment at the election of the QS in order to implement the provisions of Rule 25-17.250 (6) (b), F.A.C. Subsequent to the determination of full avoided cost and subject to the provisions of Rule 25-17.0832(3) (a) through (d), F.A.C., a portion of the base energy costs associated with the avoided unit, mutually agreed upon by the utility and renewable energy generator, shall be fixed and amortized on a present value basis over the term of the contract starting, at the election of the QS, as early as the in-service date of the QS. "Base energy costs associated with the avoided unit" means the energy costs of the avoided unit to the extent the unit would have operated. The portion of the base energy costs mutually agreed to by the Company and the QS shall be specified in Appendix E. The Company will provide the QS with a schedule of "Fixed Energy Payments" over the term of the Standard Offer Contract based on the applicable information specified in Appendix E.

ESTIMATED AS-AVAILABLE ENERGY COST

For informational purposes only, the estimated incremental avoided energy costs for the next ten annual periods are as follows. In addition, avoided energy cost payments will include ~~.00480016~~¢/KWh for variable operation and maintenance expenses.

<u>Applicable Period</u>	<u>On-Peak ¢/KWH</u>	<u>Off-Peak ¢/KWH</u>	<u>Average ¢/KWH</u>
2010	6.02	5.58	5.72
2011	6.305.89	5.835.57	5.985.68
2012	6.075.14	5.754.71	5.854.85
2013	5.774.90	5.414.52	5.534.64
2014	6.134.84	5.664.50	5.824.61
2015	6.915.15	6.504.80	6.634.91
2016	7.945.86	7.445.40	7.605.55
2017	8.576.32	8.035.87	8.216.02
2018	9.116.60	8.676.22	8.826.35
2019	9.927.03	9.306.67	9.506.79
2020	10.577.53	9.936.97	10.147.15
2021	7.73	7.31	7.45

A MW block size ranging from 58 MW to 65 MW has been used to calculate the estimated As-Available energy cost.

ESTIMATED UNIT FUEL COST

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

<u>\$/MMBTU</u>									
20252016	20262017	20272018	20282019	20292020	20302021	20312022	20322023	20332024	20342025
15.996.60	16.397.14	16.807.70	17.238.16	17.678.63	18.119.12	18.579.77	19.0510.45	19.5311.16	20.0211.86

(Continued on Sheet No. 10.305)

Issued by: S. E. Romig, Director, Rates and Tariffs

Effective: ~~July 13, 2010~~

APPENDIX II
 TO RATE SCHEDULE QS-2
 CAPACITY OPTION PARAMETERS

FIXED VALUE OF DEFERRAL PAYMENTS - NORMAL CAPACITY OPTION PARAMETERS

Where, for a one year deferral:		Value
VAC _m	= Company's value of avoided capacity and O&M, in dollars per kilowatt per month, during month m;	\$11.658.02
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;	1.50965133
I _n	= total direct and indirect cost, in mid-year dollars per kilowatt including AFUDC but excluding CWIP, of the Company's Avoided Unit with an in-service date of year n;	\$1,321.27929.91
O _n	= total fixed operation and maintenance expense, for the year n, in mid-year dollars per kilowatt per year, of the Company's Avoided Unit;	\$27.8216.76
i _p	= annual escalation rate associated with the plant cost of the Company's Avoided Unit;	3.0%
i _o	= annual escalation rate associated with the operation and maintenance expense of the Company's Avoided Unit;	2.8765%
r	= annual discount rate, defined as the Company's incremental after-tax cost of capital;	7.329%
L	= expected life of the Company's Avoided Unit;	30
n	= year for which the Company's Avoided Unit is deferred starting with its original anticipated in-service date and ending with the termination of the Standard Offer Contract.	20252016

FIXED VALUE OF DEFERRAL PAYMENTS - EARLY CAPACITY OPTION PARAMETERS

A _m	= monthly capacity payments to be made to the QS starting on the year the QS elects to start receiving early capacity payments, in dollars per kilowatt per month;	*
i _p	= annual escalation rate associated with the plant cost of the Company's Avoided Unit;	3.0%
i _o	= annual escalation rate associated with the operation and maintenance expense of the Company's Avoided Unit;	2.8765%
n	= year for which early capacity payments to a QS are to begin; (at the election of the QS early capacity payments may commence anytime after the actual in-service date of the QS facility and before the anticipated in-service date of the Company's avoided unit)	*
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 Company's Avoided Unit and continued for a period of 10 years;	\$938.3353.51
r	= annual discount rate, defined as the Company's incremental after-tax cost of capital;	7.3029%
t	= the term, in years, of the Standard Offer Contract for the purchase of firm capacity commencing in the year the QS elects to start receiving early capacity payments prior to the in-service date of the Company's Avoided Unit;	*
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 Company's Avoided Unit and continued for a period of 10 years.	\$236.63198.65

*From Appendix E

Issued by: S. E. Romig, Director, Rates and Tariffs

Effective: ~~July 13, 2010~~

ATTACHMENT 3

Revised Attachment E
Economic Assumptions

Florida Power & Light Company
Standard Offer Contract

Economic Assumptions

CAPITALIZATION RATIOS

Debt: 41%
Preferred: 0%
Equity: 59%

DISCOUNT RATE

7.293%

RATE OF RETURN

Debt: 5.5%
Preferred: 0%
Equity: 10%

BOOK DEPRECIATION LIFE

30 years for Combined Cycle Unit
40 years for Transmission Facilities

INCOME TAX RATE

State: 5.5%
Federal: 35.0%

Effective: 38.575%

TAX DEPRECIATION LIFE

20 years for Combined Cycle Unit
15 years for Transmission Facilities

OTHER TAXES AND INSURANCE

1.94%

Florida Power & Light Company
Standard Offer Contract

Economic Escalation Assumptions
(Averages 2016-2026)

Plant Construction Cost Percentage:	3.0%
O&M and Capital Cost Replacement Percentage:	2.5%
Fixed Variable O&M Cost Percentage:	2.5%

Florida Power & Light Company
Standard Offer Contract

Unit Information

Plant Name (Type): Combined Cycle
Net Capacity (MW): 1,277 MW (Summer) 1,327 (Average)
Book Life (Years): 30

Installed Cost (In-Service Year 2016)

Total Installed Cost (\$/kW):	929.41
Direct Construction Cost (\$/kW):	838.45
AFUDC Amount (\$/kW):	91.46
Fixed O&M (\$/kW-Yr) (In-Service Year):	4.92
Capital Replacement (\$/kW-Yr) (In-Service Year):	11.84
Variable O&M (cents/kWh):	0.0858
K Factor:	1.5133

Florida Power & Light Company
Standard Offer Contract

Financial Assumptions
For the Development of K Factor

CAPITALIZATION RATIOS

Debt: 41%
Preferred: 0%
Equity: 59%

RATE OF RETURN

Debt: 5.5%
Preferred: 0%
Equity: 10%

Effective Tax Rate: 38.575%

Discount Rate: 7.293%

Book Life: 30 years for Combined Cycle Unit
40 years for Transmission Facilities

In Service Year: 2016

CONSTRUCTION SPENDING CURVE

<u>Year</u>	<u>% Construction Expenditures*</u>
2011	0.10%
2012	0.34%
2013	12.10%
2014	52.68%
2015	25.50%
2016	9.27%

* To be applied to direct construction costs

Florida Power & Light Company
Fixed Charge Calculations For Development of K Factor
Unit Type: Combined Cycle
(Thousands of Dollars)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Year	Calendar Year	Electric Plant In-Service	Debt	Preferred	Equity	Taxes	Deferred Taxes	Total Debt Preferred Equity & Taxes	Straight Line Depreciation	Property Taxes & Insurance	Total Fixed Charges	Present Worth Fixed Charges	Cumulative Present Worth Fixed Charges
1	2016	\$1,167,331	\$15,575	\$0	\$40,952	\$18,288	\$8,436	\$83,251	\$22,949	\$13,456	\$119,656	\$119,656	\$119,656
2	2017	\$1,127,990	\$25,702	\$0	\$67,582	\$26,208	\$17,958	\$137,451	\$39,341	\$22,651	\$199,443	\$185,886	\$305,542
3	2018	\$1,088,649	\$24,441	\$0	\$64,267	\$26,568	\$15,516	\$130,793	\$39,341	\$21,924	\$192,058	\$166,836	\$472,378
4	2019	\$1,049,308	\$23,233	\$0	\$61,090	\$26,822	\$13,267	\$124,413	\$39,341	\$21,198	\$184,952	\$149,742	\$622,120
5	2020	\$1,009,967	\$22,074	\$0	\$58,042	\$26,992	\$11,183	\$118,291	\$39,341	\$20,472	\$178,104	\$134,396	\$756,516
6	2021	\$970,626	\$20,960	\$0	\$55,112	\$27,073	\$9,261	\$112,406	\$39,341	\$19,747	\$171,494	\$120,612	\$877,128
7	2022	\$931,285	\$19,886	\$0	\$52,290	\$27,037	\$7,525	\$106,738	\$39,341	\$19,023	\$165,102	\$108,224	\$985,351
8	2023	\$891,944	\$18,850	\$0	\$49,565	\$26,883	\$5,968	\$101,266	\$39,341	\$18,299	\$158,906	\$97,082	\$1,082,433
9	2024	\$852,603	\$17,834	\$0	\$46,894	\$25,460	\$5,714	\$95,902	\$39,341	\$17,575	\$152,818	\$87,016	\$1,169,450
10	2025	\$813,262	\$16,821	\$0	\$44,230	\$23,793	\$5,708	\$90,553	\$39,341	\$16,853	\$146,746	\$77,879	\$1,247,329
11	2026	\$773,920	\$15,808	\$0	\$41,567	\$22,114	\$5,714	\$85,203	\$39,341	\$16,131	\$140,675	\$69,583	\$1,316,912
12	2027	\$734,579	\$14,795	\$0	\$38,903	\$20,447	\$5,708	\$79,854	\$39,341	\$15,409	\$134,605	\$62,054	\$1,378,966
13	2028	\$695,238	\$13,782	\$0	\$36,240	\$18,769	\$5,714	\$74,505	\$39,341	\$14,689	\$128,535	\$55,228	\$1,434,194
14	2029	\$655,897	\$12,769	\$0	\$33,576	\$17,102	\$5,708	\$69,156	\$39,341	\$13,969	\$122,466	\$49,044	\$1,483,238
15	2030	\$616,556	\$11,756	\$0	\$30,913	\$15,424	\$5,714	\$63,807	\$39,341	\$13,249	\$116,397	\$43,445	\$1,526,683
16	2031	\$577,215	\$10,748	\$0	\$28,262	\$14,188	\$5,285	\$58,483	\$39,341	\$12,531	\$110,355	\$38,390	\$1,565,072
17	2032	\$537,874	\$9,750	\$0	\$25,636	\$12,957	\$4,867	\$53,209	\$39,341	\$11,813	\$104,363	\$33,838	\$1,598,910
18	2033	\$498,533	\$8,756	\$0	\$23,022	\$11,320	\$4,862	\$47,961	\$39,341	\$11,096	\$98,398	\$29,735	\$1,628,645
19	2034	\$459,192	\$7,762	\$0	\$20,409	\$9,675	\$4,867	\$42,712	\$39,341	\$10,380	\$92,433	\$26,034	\$1,654,679
20	2035	\$419,851	\$6,768	\$0	\$17,796	\$8,038	\$4,862	\$37,463	\$39,341	\$9,664	\$86,469	\$22,699	\$1,677,377
21	2036	\$380,509	\$5,881	\$0	\$15,463	\$16,060	(\$4,625)	\$32,778	\$39,341	\$8,950	\$81,069	\$19,835	\$1,697,212
22	2037	\$341,168	\$5,207	\$0	\$13,691	\$24,439	(\$14,117)	\$29,220	\$39,341	\$8,236	\$76,797	\$17,512	\$1,714,724
23	2038	\$301,827	\$4,640	\$0	\$12,200	\$23,502	(\$14,117)	\$26,225	\$39,341	\$7,523	\$73,090	\$15,534	\$1,730,258
24	2039	\$262,486	\$4,072	\$0	\$10,708	\$22,566	(\$14,117)	\$23,230	\$39,341	\$6,812	\$69,383	\$13,744	\$1,744,001
25	2040	\$223,145	\$3,505	\$0	\$9,217	\$21,629	(\$14,117)	\$20,235	\$39,341	\$6,101	\$65,677	\$12,125	\$1,756,127
26	2041	\$183,804	\$2,938	\$0	\$7,726	\$20,693	(\$14,117)	\$17,240	\$39,341	\$5,391	\$61,972	\$10,664	\$1,766,790
27	2042	\$144,463	\$2,371	\$0	\$6,234	\$19,756	(\$14,117)	\$14,245	\$39,341	\$4,682	\$58,269	\$9,345	\$1,776,135
28	2043	\$105,122	\$1,804	\$0	\$4,743	\$18,820	(\$14,117)	\$11,250	\$39,341	\$3,974	\$54,566	\$8,156	\$1,784,291
29	2044	\$65,781	\$1,237	\$0	\$3,252	\$17,883	(\$14,117)	\$8,255	\$39,341	\$3,268	\$50,864	\$7,086	\$1,791,377
30	2045	\$26,439	\$670	\$0	\$1,761	\$16,947	(\$14,117)	\$5,260	\$39,341	\$2,562	\$47,164	\$6,124	\$1,797,501
31	2046	\$9,461	\$196	\$0	\$516	\$7,169	(\$6,080)	\$1,802	\$16,978	\$916	\$19,696	\$2,384	\$1,799,885
32	2047	\$8,457	\$133	\$0	\$351	\$638	(\$339)	\$784	\$1,005	\$226	\$2,015	\$227	\$1,800,112
33	2048	\$7,452	\$119	\$0	\$312	\$614	(\$339)	\$705	\$1,005	\$209	\$1,918	\$202	\$1,800,314
34	2049	\$6,447	\$104	\$0	\$272	\$589	(\$339)	\$626	\$1,005	\$191	\$1,822	\$178	\$1,800,492
35	2050	\$5,442	\$89	\$0	\$233	\$564	(\$339)	\$547	\$1,005	\$174	\$1,725	\$158	\$1,800,650
36	2051	\$4,438	\$74	\$0	\$194	\$540	(\$339)	\$468	\$1,005	\$156	\$1,629	\$139	\$1,800,788
37	2052	\$3,433	\$59	\$0	\$154	\$515	(\$339)	\$389	\$1,005	\$139	\$1,532	\$122	\$1,800,910
38	2053	\$2,428	\$44	\$0	\$115	\$490	(\$339)	\$310	\$1,005	\$121	\$1,436	\$106	\$1,801,016
39	2054	\$1,423	\$29	\$0	\$75	\$465	(\$339)	\$231	\$1,005	\$104	\$1,339	\$92	\$1,801,108
40	2055	\$419	\$14	\$0	\$36	\$441	(\$339)	\$152	\$1,005	\$87	\$1,243	\$80	\$1,801,188
41	2056	\$0	\$1	\$0	\$3	\$176	(\$141)	\$40	\$419	\$29	\$487	\$29	\$1,801,217

In-Service Cost	\$1,190,280
Present Worth of Fixed Charges	\$1,801,217
Less Equity Adjustment	\$0
Adjusted Present Worth of Fixed Charges	<u>\$1,801,217</u>
Value of K	<u>1.5133</u>

ATTACHMENT 4

**FPL's Response to Staff's First Data Request to Reflect Payments Based on
the Modernization of the Port Everglades Plant**

Committed Capacity (MW)	50
Capacity Factor (%)	94
Payment Type:	Normal

	Energy (MWh)	Capacity Rates (\$/kW-mo)	Total Capacity Payments (\$000)	Energy Rates (\$/MWh)	Total Energy Payments (\$000)	Total Payments to Renewable Provider (\$000)
2012	411,720	-	-	48.52	19,975	19,975
2013	411,720	-	-	46.42	19,110	19,110
2014	411,720	-	-	46.12	18,987	18,987
2015	411,720	-	-	49.12	20,222	20,222
2016	411,720	8.02	4,815	46.46	19,129	23,943
2017	411,720	8.26	4,958	45.47	18,721	23,679
2018	411,720	8.51	5,105	49.01	20,178	25,283
2019	411,720	8.76	5,257	51.87	21,357	26,614
2020	411,720	9.02	5,414	54.89	22,597	28,011
2021	411,720	9.29	5,575	57.96	23,864	29,439
2022	411,720	9.57	5,741	62.07	25,554	31,295
2023	411,720	9.85	5,912	66.41	27,344	33,256
2024	411,720	10.15	6,088	70.83	29,164	35,251
2025	411,720	10.45	6,269	75.27	30,990	37,259
2026	411,720	10.76	6,456	76.97	31,692	38,147
2027	411,720	11.07	6,644	78.40	32,277	38,921
2028	411,720	11.40	6,837	79.86	32,882	39,719
2029	411,720	11.73	7,037	81.37	33,500	40,537
2030	411,720	12.07	7,242	82.95	34,150	41,392
2031	411,720	12.42	7,453	84.63	34,845	42,298

Committed Capacity (MW)	50
Capacity Factor (%)	94
Payment Type:	Levelized

	Energy (MWh)	Capacity Rates (\$/kW-mo)	Total Capacity Payments (\$000)	Energy Rates (\$/MWh)	Total Energy Payments (\$000)	Total Payments to Renewable Provider (\$000)
2012	411,720	-	-	48.52	19,975	19,975
2013	411,720	-	-	46.42	19,110	19,110
2014	411,720	-	-	46.12	18,987	18,987
2015	411,720	-	-	49.12	20,222	20,222
2016	411,720	9.39	5,633	46.46	19,129	24,762
2017	411,720	9.43	5,657	45.47	18,721	24,378
2018	411,720	9.47	5,682	49.01	20,178	25,860
2019	411,720	9.51	5,707	51.87	21,357	27,064
2020	411,720	9.56	5,734	54.89	22,597	28,331
2021	411,720	9.60	5,760	57.96	23,864	29,624
2022	411,720	9.65	5,788	62.07	25,554	31,342
2023	411,720	9.69	5,816	66.41	27,344	33,161
2024	411,720	9.74	5,846	70.83	29,164	35,009
2025	411,720	9.79	5,876	75.27	30,990	36,866
2026	411,720	9.84	5,907	76.97	31,692	37,599
2027	411,720	9.89	5,935	78.40	32,277	38,212
2028	411,720	9.94	5,963	79.86	32,882	38,845
2029	411,720	9.99	5,992	81.37	33,500	39,492
2030	411,720	10.04	6,022	82.95	34,150	40,172
2031	411,720	10.09	6,053	84.63	34,845	40,898

Committed Capacity (MW)	50
Capacity Factor (%)	94
Payment Type:	Early

	Energy (MWh)	Capacity Rates (\$/kW-mo)	Total Capacity Payments (\$000)	Energy Rates (\$/MWh)	Total Energy Payments (\$000)	Total Payments to Renewable Provider (\$000)
2012	411,720	5.22	3,131	48.52	19,975	23,106
2013	411,720	5.37	3,223	46.42	19,110	22,334
2014	411,720	5.53	3,318	46.12	18,987	22,305
2015	411,720	5.69	3,416	49.12	20,222	23,638
2016	411,720	5.86	3,516	46.46	19,129	22,645
2017	411,720	6.03	3,619	45.47	18,721	22,340
2018	411,720	6.21	3,726	49.01	20,178	23,904
2019	411,720	6.39	3,835	51.87	21,357	25,192
2020	411,720	6.58	3,948	54.89	22,597	26,545
2021	411,720	6.77	4,064	57.96	23,864	27,928
2022	411,720	6.97	4,184	62.07	25,554	29,738
2023	411,720	7.18	4,307	66.41	27,344	31,651
2024	411,720	7.39	4,433	70.83	29,164	33,597
2025	411,720	7.61	4,564	75.27	30,990	35,554
2026	411,720	7.83	4,698	76.97	31,692	36,390
2027	411,720	8.06	4,836	78.40	32,277	37,113
2028	411,720	8.30	4,978	79.86	32,882	37,860
2029	411,720	8.54	5,125	81.37	33,500	38,625
2030	411,720	8.79	5,275	82.95	34,150	39,426
2031	411,720	9.05	5,431	84.63	34,845	40,275

Committed Capacity (MW)	50
Capacity Factor (%)	94
Payment Type:	Early Levelized

	Energy (MWh)	Capacity Rates (\$/kW-mo)	Total Capacity Payments (\$000)	Energy Rates (\$/MWh)	Total Energy Payments (\$000)	Total Payments to Renewable Provider (\$000)
2012	411,720	6.32	3,790	48.52	19,975	23,765
2013	411,720	6.34	3,804	46.42	19,110	22,915
2014	411,720	6.37	3,819	46.12	18,987	22,806
2015	411,720	6.39	3,835	49.12	20,222	24,057
2016	411,720	6.42	3,851	46.46	19,129	22,979
2017	411,720	6.44	3,867	45.47	18,721	22,588
2018	411,720	6.47	3,884	49.01	20,178	24,062
2019	411,720	6.50	3,901	51.87	21,357	25,258
2020	411,720	6.53	3,918	54.89	22,597	26,516
2021	411,720	6.56	3,936	57.96	23,864	27,800
2022	411,720	6.59	3,955	62.07	25,554	29,509
2023	411,720	6.62	3,974	66.41	27,344	31,318
2024	411,720	6.66	3,994	70.83	29,164	33,157
2025	411,720	6.69	4,014	75.27	30,990	35,004
2026	411,720	6.72	4,034	76.97	31,692	35,726
2027	411,720	6.76	4,055	78.40	32,277	36,333
2028	411,720	6.79	4,077	79.86	32,882	36,959
2029	411,720	6.83	4,099	81.37	33,500	37,599
2030	411,720	6.87	4,122	82.95	34,150	38,272
2031	411,720	6.91	4,146	84.63	34,845	38,990