

**BEFORE THE FLORIDA
PUBLIC SERVICE COMMISSION**

080245
080246

**DOCKET NO. 08____-EI
FLORIDA POWER & LIGHT COMPANY**

**IN RE: FLORIDA POWER & LIGHT COMPANY'S
PETITION TO DETERMINE NEED FOR
CONVERSION OF CAPE CANAVERAL PLANT**

**IN RE: FLORIDA POWER & LIGHT COMPANY'S
PETITION TO DETERMINE NEED FOR
CONVERSION OF RIVIERA PLANT**

**DIRECT TESTIMONY & EXHIBIT OF:
HEATHER C. STUBBLEFIELD**

DOCUMENT NUMBER-DATE
03502 APR 30 88

FPSC-COMMISSION CLERK

1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2 **FLORIDA POWER & LIGHT COMPANY**

3 **DIRECT TESTIMONY OF HEATHER C. STUBBLEFIELD**

4 **DOCKET NO. 08_____-EI**

5 **APRIL 30, 2008**

6
7 **Q. Please state your name and address.**

8 A. My name is Heather C. Stubblefield. My business address is 700 Universe
9 Boulevard, Juno Beach, Florida, 33408.

10 **Q. By whom are you employed and what is your position?**

11 A. I am employed by Florida Power & Light Company (FPL) as Manager of
12 Project Development in the Energy Marketing and Trading division.

13 **Q. Please summarize your educational background and professional**
14 **experience.**

15 A. I graduated from Auburn University with a Bachelor of Arts degree in Business
16 Administration in 1986. I joined El Paso Corporation (formerly Sonat
17 Corporation) in 1988, where I held various positions in Human Resources,
18 Internal Auditing and the Sonat Marketing Company. In 2003, I joined FPL
19 Group Resources as the Director of Marketing for liquefied natural gas (LNG)
20 initiatives. In 2005, I transferred to the Energy Marketing and Trading division
21 of FPL to support project development activities.

22 **Q. Please describe your duties and responsibilities as they relate to this docket.**

23 A. In my current position, I am responsible for evaluating gas transportation

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1 alternatives for FPL's generation expansions. This includes evaluating proposals
2 from pipeline companies, negotiating terms and conditions, and executing
3 transportation agreements which are in the best interest of FPL's customers.

4 **Q. Are you sponsoring any exhibits in this case?**

5 A. Yes. I am sponsoring Exhibit HCS-1, FPL's Fuel Price Forecast, which is
6 attached to my direct testimony.

7 **Q. What is the purpose of your testimony?**

8 A. The purpose of my testimony is to present and explain: (1) the fossil fuel price
9 forecast used in the evaluation of FPL's proposed conversion of its Cape
10 Canaveral and Riviera plants (the Conversion Projects); (2) the proposed fuel
11 and fuel transportation plan for the Conversion Projects; and (3) the firm natural
12 gas transportation cost assumptions used by FPL in the evaluation of the
13 Conversion Projects.

14 **Q. Please summarize your testimony.**

15 A. FPL's fossil fuel price forecast reflects the projected supply, demand and price
16 for fuel oil, natural gas, coal, and petroleum coke, as well as the transportation of
17 these fuels to the existing and proposed sites. FPL's long-term fossil fuel price
18 forecast is reasonable for the evaluation of FPL's Conversion Projects.

19

20 Both converted plants, Cape Canaveral and Riviera, will burn natural gas as the
21 primary fuel source. FPL is currently in discussions with numerous gas
22 transportation providers capable of providing gas transportation services to both
23 plants. FPL's criteria for evaluation include delivery flexibility, reliability and

1 economics. Negotiations are expected to be complete in late 2008 or early 2009
2 which will allow the selected gas transportation company to meet the delivery
3 requirements of both plants. The expected in-service dates of the Conversion
4 Projects are June 2013 for the Cape Canaveral plant and June 2014 for the
5 Riviera plant. Because of FPL's increased reliance on natural gas, FPL will
6 continue to pursue alternatives to enhance the reliability and increase the supply
7 diversity of FPL's gas transportation portfolio. These alternatives could include
8 the addition of a new interstate pipeline, additional underground natural gas
9 storage, and identifying alternate supply sources, including access to new
10 producing regions as well as the addition of LNG supply.

11
12 Finally, both Cape Canaveral and Riviera will utilize light fuel oil as a backup
13 fuel source in the event of a natural gas supply disruption. Light fuel oil will be
14 stored in sufficient quantities to allow the Cape Canaveral to operate at full
15 capacity for one hundred eighty-eight (188) hours of continuous operation and
16 for Riviera to operate at full capacity for one hundred five (105) hours of
17 continuous operation.

I. FUEL FORECAST

1

2

3 **Q. What fossil fuel price forecast was used in the evaluation of FPL's proposed**
4 **Conversion Projects?**

5 A. FPL's March 13, 2008 update of its long-term fossil fuel price forecast was used
6 in the evaluation of FPL's Conversion Projects.

7 **Q. What was FPL's methodology for developing the forecast for fuel oil,**
8 **natural gas and solid fuel (coal and petroleum coke)?**

9 A. For fuel oil and natural gas commodity prices, FPL's forecast applied the
10 following methodology: (1) for 2008 through 2010, the methodology used the
11 March 13, 2008 forward curve for New York Harbor 1% sulfur heavy oil, U. S.
12 Gulf Coast 1% sulfur heavy oil and Henry Hub natural gas commodity prices;
13 (2) for the next two years (2011 and 2012), FPL used a 50/50 blend of the March
14 13, 2008 forward curve and projections from the PIRA Energy Group; (3) for
15 the 2013 through 2020 period, FPL used the annual projections from the PIRA
16 Energy Group; and (4) for the period beyond 2020, FPL used the rate of real
17 (constant dollar) price changes from the Energy Information Administration. All
18 constant dollar changes were then converted to nominal dollars using a 2.5%
19 annual escalation rate. In addition to the development of commodity prices,
20 price forecasts were also prepared for fuel oil and natural gas transportation
21 costs. The addition of commodity and transportation projections resulted in
22 delivered price forecasts.

23

1 Coal and petroleum coke prices were based upon the following approach: (1)
2 the price forecasts for Central Appalachian coal, South American coal, and
3 petroleum coke were provided by JD Energy; (2) the marine transportation rates
4 from the loading port for coal and petroleum coke to an import terminal were
5 also provided by JD Energy; (3) the terminal throughput fee was based on a
6 range of offers from comparable facilities throughout the southeast U.S.; and (4)
7 the rail transportation rates from Central Appalachia and from the import
8 terminal facility were based on the proposed rail transportation rates.

9 **Q. Please identify the key factors in forecasting the future price of fossil fuels.**

10 A. Future fuel oil and natural gas prices, and to a much lesser extent, coal and
11 petroleum coke prices, are inherently uncertain due to a significant number of
12 unpredictable and uncontrollable drivers that influence the short and long-term
13 prices of fuel oil, natural gas, coal, and petroleum coke. These drivers include:
14 (1) current and projected worldwide demand for crude oil and petroleum
15 products; (2) current and projected worldwide refinery capacity/production; (3)
16 expected worldwide economic growth, in particular in China and the other
17 Pacific Rim countries; (4) Organization of Petroleum Exporting Countries
18 (OPEC) production, the availability of spare OPEC production capacity and the
19 expected growth in spare OPEC production capacity; (5) non-OPEC production
20 and expected growth in non-OPEC production; (6) the geopolitics of the Middle
21 East, West Africa, the former Soviet Union, Venezuela, and other countries; (7)
22 the impact upon worldwide energy consumption of various factors including
23 worldwide environmental legislation and politics; (8) current and projected

1 North American natural gas demand; (9) current and projected U. S., Canadian,
2 and Mexican natural gas production; (10) the worldwide supply and demand of
3 LNG; and (11) the growth in solid fuel generation on a U.S. and worldwide
4 basis.

5 **Q. Is FPL's long-term fossil fuel price forecast reasonable for the evaluation of**
6 **capacity options such as FPL's Conversion Projects?**

7 A. Yes. FPL's long-term fossil fuel price forecast is reasonable for the evaluation
8 of FPL's Conversion Projects. FPL's fuel price forecasts reflect the projected
9 supply, demand and price for fuel oil, natural gas, coal, and petroleum coke, as
10 well as the transportation of these fuels to the existing and proposed sites.

11 **Q. Have you provided FPL's forecasts for the price of fuel oil, natural gas and**
12 **solid fuel?**

13 A. Yes. FPL's forecasts for the price of fuel oil, natural gas and solid fuel are
14 provided in Exhibit HCS-1.

15

16 **II. FUEL TYPE AND FUEL TRANSPORTATION**

17

18 **Q. What is the primary fuel type that will be utilized in the converted Cape**
19 **Canaveral and Riviera plants?**

20 A. Both Cape Canaveral and Riviera will burn natural gas as the primary fuel
21 source.

1 **Q. Does FPL currently have natural gas delivery capability to the Cape**
2 **Canaveral and Riviera plants?**

3 A. Yes, FPL has the ability to deliver natural gas to Cape Canaveral and Riviera via
4 the existing Florida Gas Transmission Company (FGT) pipeline; however, there
5 is not currently adequate firm gas transportation in FPL's existing portfolio to
6 supply the plants once they are converted. In addition, the current FGT facilities
7 are not adequate to allow for the increased gas deliveries and the higher delivery
8 pressure required by the Conversion Projects. FPL is in discussions with
9 multiple natural gas pipeline companies capable of building the facilities to
10 provide natural gas to both Cape Canaveral and Riviera. FPL will continue these
11 negotiations to determine the best project on the basis of delivery flexibility and
12 economics. These negotiations are expected to be complete in late 2008 or early
13 2009 which will allow the selected pipeline to meet the gas delivery
14 requirements of both plants.

15 **Q. Will additional investment in the natural gas infrastructure in Florida be**
16 **needed in the future to maintain natural gas supply reliability?**

17 A. Yes. The existing natural gas pipeline infrastructure into peninsular Florida is
18 comprised of two pipelines from the Gulf Coast region. While this infrastructure
19 has provided a high level of reliability over the years, the demands on both
20 pipelines have continued to grow. Even with expansion of the existing pipelines
21 to meet additional demand, the need to consider alternatives that will help
22 promote the diversity and reliability of natural gas supply is crucial to FPL.
23 These alternatives include the addition of a new interstate pipeline, additional

1 underground natural gas storage, and identifying alternate supply sources,
2 including access to new producing regions as well as the addition of LNG
3 supply. FPL has recognized the need to implement alternative strategies and is
4 actively pursuing them. For example, in an effort to create supply diversity and
5 help strengthen reliability, FPL has contracted for additional natural gas storage
6 and firm transportation on a new pipeline that will bring on-shore natural gas
7 supply from East Texas into the Mobile Bay area in the Gulf of Mexico. While
8 both projects help strengthen reliability by mitigating FPL's exposure to supply
9 disruptions, the new pipeline also provides long-term supply diversity. The cost
10 of implementing these strategies varies depending on the type of alternative
11 being considered. However, it is important to recognize that FPL must continue
12 to make these types of investments in order to maintain natural gas reliability in
13 the future as demand for natural gas grows. In determining the appropriate gas
14 transportation provider for the Conversion Projects, FPL will continue to pursue
15 strategies that increase the reliability and supply diversity of the gas
16 transportation portfolio.

17 **Q. Will the converted Cape Canaveral and Riviera plants have a backup fuel**
18 **source in the event of a natural gas supply disruption?**

19 A. Yes. Both Cape Canaveral and Riviera will be capable of burning light fuel oil
20 in the event of a natural gas supply disruption. For Cape Canaveral, light fuel oil
21 will be trucked to the site and stored on-site in sufficient quantities to allow the
22 site to operate at full capacity for one hundred eighty-eight (188) hours of
23 continuous operation. For Riviera, light fuel oil will be trucked to the site and

1 stored on-site in sufficient quantities to allow the site to operate at full capacity
2 for one hundred five (105) hours of continuous operation. In addition, both
3 plants will be able to receive backup fuel from waterborne deliveries, which is a
4 significant advantage, particularly in emergency situations compared to inland
5 plants.

6

7 **III. FIRM NATURAL GAS TRANSPORTATION ASSUMPTIONS**

8

9 **Q. What are the long-term firm natural gas transportation costs assumed by**
10 **FPL in its evaluation of FPL's Conversion Projects?**

11 A. For the purposes of the analysis, FPL developed an estimated transportation cost
12 of \$1.40 per MMBtu based on preliminary discussions with pipeline
13 transportation companies.

14 **Q. Does this conclude your testimony?**

15 A. Yes.

FPL's Natural Gas Price Forecast

YEAR	ZONE 1 FGT	ZONE 2 FGT	ZONE 3 FGT	ZONE 3 MOBILE BAY/DESTIN	FTS 3 ZONE 3 MOBILE BAY/DESTIN	FGT NON-FIRM	GULFSTREAM FIRM - SESH PIPELINE	GULFSTREAM FIRM - MOBILE BAY	GULFSTREAM NON-FIRM	GULFSTREAM NON-FIRM BACKHAUL	UPS REPLACEMENT	WILLIAMS - TRANSCO ZONE 4	PROGRESS	HENRY HUB
	FIRM \$/MMBTU	FIRM \$/MMBTU	FIRM \$/MMBTU	FGT FIRM \$/MMBTU	FGT FIRM \$/MMBTU		\$/MMBTU	\$/MMBTU	\$/MMBTU	\$/MMBTU	\$/MMBTU	\$/MMBTU	\$/MMBTU	\$/MMBTU
2008	\$10.13	\$10.23	\$10.50	\$10.53		\$10.89	\$10.82	\$10.33	\$10.93	\$11.34		\$10.13	\$10.65	\$9.86
2009	\$10.26	\$10.36	\$10.57	\$10.57		\$10.93	\$10.11	\$10.37	\$10.97	\$11.38		\$10.13	\$10.80	\$10.00
2010	\$9.68	\$9.78	\$9.98	\$9.98		\$10.34	\$9.53	\$9.80	\$10.39	\$10.79	\$9.53			\$9.43
2011	\$8.46	\$8.56	\$8.76	\$8.76	\$8.73	\$9.12	\$8.39	\$8.65	\$9.25	\$9.64	\$8.54			\$8.25
2012	\$8.51	\$8.61	\$8.81	\$8.81	\$8.80	\$9.17	\$8.44	\$8.70	\$9.30	\$9.69	\$8.59			\$8.29
2013	\$7.72	\$7.82	\$8.03	\$8.03	\$8.02	\$8.39	\$7.66	\$7.93	\$8.52	\$8.92	\$7.81			\$7.53
2014	\$8.12	\$8.22	\$8.42	\$8.43	\$8.41	\$8.78	\$8.06	\$8.32	\$8.92	\$9.31	\$8.21			\$7.92
2015	\$8.42	\$8.52	\$8.72	\$8.72	\$8.71	\$9.08	\$8.35	\$8.62	\$9.21	\$9.61	\$8.51			\$8.21
2016	\$8.82	\$8.92	\$9.12	\$9.12	\$9.11	\$9.48	\$8.75	\$9.01	\$9.61	\$10.00				\$8.60
2017	\$9.22	\$9.32	\$9.52	\$9.52	\$9.51	\$9.88	\$9.14	\$9.41	\$10.00	\$10.40				\$8.98
2018	\$9.62	\$9.72	\$9.92	\$9.92	\$9.91	\$10.28	\$9.53	\$9.80	\$10.39	\$10.79				\$9.37
2019	\$10.01	\$10.11	\$10.31	\$10.32	\$10.30	\$10.68	\$9.93	\$10.19	\$10.79	\$11.19				\$9.75
2020	\$10.26	\$10.36	\$10.56	\$10.57	\$10.55	\$10.92	\$10.17	\$10.44	\$11.04	\$11.43				\$10.00
2021	\$10.73	\$10.83	\$11.03	\$11.03	\$11.02	\$11.39	\$10.64	\$10.90	\$11.50	\$11.90				\$10.45
2022	\$11.22	\$11.32	\$11.52	\$11.52	\$11.51	\$11.88	\$11.12	\$11.39	\$11.98	\$12.39				\$10.93
2023	\$11.73	\$11.83	\$12.03	\$12.04	\$12.02	\$12.39	\$11.63	\$11.90	\$12.49	\$12.89				\$11.42
2024	\$12.27	\$12.37	\$12.57	\$12.57	\$12.56	\$12.93	\$12.16	\$12.43	\$13.02	\$13.43				\$11.94
2025	\$12.83	\$12.93	\$13.13	\$13.13	\$13.12	\$13.49	\$12.71	\$12.98	\$13.58	\$13.98				\$12.49
2026	\$13.41	\$13.51	\$13.71	\$13.72	\$13.70	\$14.08	\$13.29	\$13.56	\$14.16	\$14.56				\$13.05
2027	\$14.02	\$14.12	\$14.33	\$14.33	\$14.32	\$14.69	\$13.90	\$14.17	\$14.76	\$15.17				\$13.65
2028	\$14.66	\$14.76	\$14.97	\$14.97	\$14.95	\$15.33	\$14.53	\$14.80	\$15.39	\$15.80				\$14.27
2029	\$15.33	\$15.43	\$15.63	\$15.64	\$15.62	\$16.00	\$15.20	\$15.46	\$16.06	\$16.47				\$14.92
2030	\$16.03	\$16.13	\$16.33	\$16.34	\$16.32	\$16.69	\$15.89	\$16.15	\$16.75	\$17.16				\$15.60
2031	\$16.76	\$16.86	\$17.06	\$17.07	\$17.05	\$17.43	\$16.61	\$16.88	\$17.47	\$17.89				\$16.31
2032	\$17.53	\$17.63	\$17.83	\$17.83	\$17.82	\$18.19	\$17.37	\$17.64	\$18.23	\$18.65				\$17.05
2033	\$18.33	\$18.43	\$18.63	\$18.63	\$18.62	\$18.99	\$18.16	\$18.43	\$19.02	\$19.44				\$17.82
2034	\$19.16	\$19.26	\$19.46	\$19.47	\$19.45	\$19.82	\$18.99	\$19.25	\$19.85	\$20.27				\$18.63
2035	\$20.04	\$20.13	\$20.34	\$20.34	\$20.33	\$20.70	\$19.85	\$20.12	\$20.71	\$21.14				\$19.48
2036	\$20.95	\$21.05	\$21.25	\$21.25	\$21.24	\$21.61	\$20.76	\$21.02	\$21.62	\$22.04				\$20.37
2037	\$21.90	\$22.00	\$22.20	\$22.21	\$22.19	\$22.57	\$21.70	\$21.97	\$22.56	\$22.99				\$21.29
2038	\$22.90	\$23.00	\$23.20	\$23.20	\$23.19	\$23.56	\$22.69	\$22.96	\$23.55	\$23.98				\$22.26
2039	\$23.94	\$24.04	\$24.25	\$24.25	\$24.23	\$24.61	\$23.72	\$23.99	\$24.58	\$25.02				\$23.27
2040	\$25.04	\$25.13	\$25.34	\$25.34	\$25.33	\$25.70	\$24.80	\$25.07	\$25.67	\$26.10				\$24.33

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FPL's Solid Fuel Price Forecast

YEAR	PLANT	ST. JOHNS	ICL DISPATCH	CEDAR BAY
	SCHERER	RIVER POWER		DISPATCH
	DISPATCH	PARCK		DISPATCH
PRICE	PRICE	PRICE	PRICE	
WITHOUT SO2	WITHOUT SO2	WITHOUT SO2	WITHOUT SO2	
<u>\$/MMBTU</u>	<u>\$/MMBTU</u>	<u>\$/MMBTU</u>	<u>\$/MMBTU</u>	
2008	\$2.01	\$2.65	\$3.18	\$2.65
2009	\$2.06	\$2.66	\$3.16	\$2.68
2010	\$2.11	\$2.64	\$3.19	\$2.69
2011	\$2.17	\$1.97	\$3.23	\$2.07
2012	\$2.21	\$1.99	\$3.27	\$2.10
2013	\$2.25	\$2.02	\$3.19	\$2.13
2014	\$2.29	\$2.05	\$3.23	\$2.16
2015	\$3.00	\$2.08	\$3.27	\$2.19
2016	\$3.04	\$2.11	\$3.34	\$2.22
2017	\$3.08	\$2.14	\$3.42	\$2.25
2018	\$3.12	\$2.17	\$3.50	\$2.29
2019	\$3.17	\$2.21	\$3.59	\$2.32
2020	\$3.22	\$2.24	\$3.67	\$2.36
2021	\$3.27	\$2.28	\$3.75	\$2.40
2022	\$3.31	\$2.32	\$3.83	\$2.44
2023	\$3.35	\$2.36	\$3.91	\$2.48
2024	\$3.39	\$2.40	\$4.00	\$2.53
2025	\$3.44	\$2.44	\$4.14	\$2.57
2026	\$3.48	\$2.49	\$4.23	\$2.62
2027	\$3.53	\$2.53	\$4.32	\$2.67
2028	\$3.57	\$2.58	\$4.42	\$2.72
2029	\$3.62	\$2.63	\$4.52	\$2.77
2030	\$3.67	\$2.68	\$4.62	\$2.82
2031	\$3.72	\$2.73	\$4.73	\$2.87
2032	\$3.77	\$2.77	\$4.84	\$2.92
2033	\$3.83	\$2.82	\$4.95	\$2.97
2034	\$3.88	\$2.87	\$5.06	\$3.02
2035	\$3.94	\$2.92	\$5.17	\$3.08
2036	\$3.99	\$2.97	\$5.29	\$3.13
2037	\$4.05	\$3.02	\$5.41	\$3.18
2038	\$4.11	\$3.07	\$5.54	\$3.24
2039	\$4.17	\$3.13	\$5.66	\$3.30
2040	\$4.23	\$3.18	\$5.79	\$3.35

FPL's Heavy Oil Price Forecast

YEAR	PORT EVERGLADES			INDIAN RIVER & CANAVERAL			
	MARTIN 1% \$/MMBTU	1% \$/MMBTU	MANATEE 1% \$/MMBTU	TURKEY POINT 1% \$/MMBTU	1% \$/MMBTU	SANFORD 1% \$/MMBTU	RIVIERA 1% \$/MMBTU
2008	\$12.35	\$12.35	\$12.35	\$12.37	\$12.36	\$12.62	\$12.35
2009	\$13.31	\$13.31	\$13.31	\$13.32	\$13.32	\$13.58	\$13.31
2010	\$13.35	\$13.35	\$13.35	\$13.36	\$13.35	\$13.62	\$13.35
2011	\$12.59	\$12.59	\$12.59	\$12.60	\$12.60	\$12.86	\$12.59
2012	\$12.67	\$12.67	\$12.67	\$12.69	\$12.68	\$12.95	\$12.67
2013	\$11.80	\$11.80	\$11.80	\$11.81	\$11.80	\$12.07	\$11.80
2014	\$12.03	\$12.03	\$12.03	\$12.04	\$12.03	\$12.30	\$12.03
2015	\$12.42	\$12.41	\$12.42	\$12.43	\$12.42	\$12.69	\$12.42
2016	\$12.95	\$12.94	\$12.95	\$12.96	\$12.95	\$13.22	\$12.95
2017	\$13.51	\$13.51	\$13.52	\$13.53	\$13.52	\$13.79	\$13.51
2018	\$14.08	\$14.08	\$14.08	\$14.09	\$14.08	\$14.35	\$14.08
2019	\$14.65	\$14.64	\$14.65	\$14.66	\$14.65	\$14.92	\$14.65
2020	\$15.23	\$15.23	\$15.24	\$15.25	\$15.24	\$15.51	\$15.23
2021	\$15.94	\$15.94	\$15.94	\$15.95	\$15.94	\$16.21	\$15.94
2022	\$16.68	\$16.68	\$16.68	\$16.69	\$16.68	\$16.95	\$16.68
2023	\$17.45	\$17.45	\$17.45	\$17.47	\$17.46	\$17.73	\$17.45
2024	\$18.27	\$18.26	\$18.27	\$18.28	\$18.27	\$18.54	\$18.27
2025	\$19.12	\$19.12	\$19.12	\$19.13	\$19.12	\$19.39	\$19.12
2026	\$20.01	\$20.01	\$20.01	\$20.03	\$20.02	\$20.28	\$20.01
2027	\$20.95	\$20.95	\$20.95	\$20.96	\$20.95	\$21.22	\$20.95
2028	\$21.93	\$21.93	\$21.93	\$21.94	\$21.93	\$22.20	\$21.93
2029	\$22.96	\$22.96	\$22.96	\$22.97	\$22.96	\$23.23	\$22.96
2030	\$24.04	\$24.04	\$24.04	\$24.05	\$24.04	\$24.31	\$24.04
2031	\$25.17	\$25.17	\$25.17	\$25.19	\$25.18	\$25.44	\$25.17
2032	\$26.36	\$26.36	\$26.36	\$26.37	\$26.36	\$26.63	\$26.36
2033	\$27.60	\$27.60	\$27.61	\$27.62	\$27.61	\$27.88	\$27.60
2034	\$28.91	\$28.91	\$28.91	\$28.92	\$28.91	\$29.18	\$28.91
2035	\$30.28	\$30.28	\$30.28	\$30.29	\$30.28	\$30.55	\$30.28
2036	\$31.71	\$31.71	\$31.71	\$31.73	\$31.72	\$31.98	\$31.71
2037	\$33.22	\$33.21	\$33.22	\$33.23	\$33.22	\$33.49	\$33.22
2038	\$34.79	\$34.79	\$34.79	\$34.81	\$34.80	\$35.07	\$34.79
2039	\$36.45	\$36.45	\$36.45	\$36.46	\$36.45	\$36.72	\$36.45
2040	\$38.18	\$38.18	\$38.18	\$38.19	\$38.19	\$38.45	\$38.18

FPL's Light Oil Price Forecast

<u>YEAR</u>	<u>OLEANDER</u>	<u>PORT</u>	<u>LAUDERDALE</u>	<u>FT MYERS</u>	<u>PUTNAM</u>	<u>MARTIN</u>
	<u>\$/MMBTU</u>	<u>EVERGLADES</u>	<u>\$/MMBTU</u>	<u>\$/MMBTU</u>	<u>\$/MMBTU</u>	<u>RIVIERA & WCEC</u>
2008	\$21.43	\$20.82	\$20.82	\$21.33	\$21.51	\$21.47
2009	\$21.52	\$20.91	\$20.91	\$21.41	\$21.59	\$21.56
2010	\$21.09	\$20.48	\$20.48	\$20.98	\$21.16	\$21.13
2011	\$18.68	\$18.06	\$18.06	\$18.57	\$18.75	\$18.71
2012	\$18.85	\$18.21	\$18.21	\$18.71	\$18.89	\$18.85
2013		\$15.42	\$15.42	\$15.93	\$16.11	\$16.07
2014		\$15.80	\$15.80	\$16.30	\$16.48	\$16.45
2015		\$16.33	\$16.33	\$16.84	\$17.02	\$16.98
2016		\$17.01	\$17.01	\$17.52	\$17.70	\$17.66
2017		\$17.72	\$17.72	\$18.23	\$18.41	\$18.37
2018		\$18.42	\$18.42	\$18.92	\$19.10	\$19.07
2019		\$19.13	\$19.13	\$19.63	\$19.82	\$19.78
2020		\$19.84	\$19.84	\$20.34	\$20.52	\$20.49
2021		\$20.67	\$20.67	\$21.17	\$21.35	\$21.31
2022		\$21.53	\$21.53	\$22.03	\$22.21	\$22.18
2023		\$22.43	\$22.43	\$22.93	\$23.11	\$23.08
2024		\$23.36	\$23.36	\$23.87	\$24.05	\$24.01
2025		\$24.34	\$24.34	\$24.85	\$25.03	\$24.99
2026		\$25.36	\$25.36	\$25.86	\$26.05	\$26.01
2027		\$26.42	\$26.42	\$26.93	\$27.11	\$27.07
2028		\$27.53	\$27.53	\$28.03	\$28.21	\$28.18
2029		\$28.68	\$28.68	\$29.19	\$29.37	\$29.33
2030		\$29.89	\$29.89	\$30.39	\$30.57	\$30.53
2031		\$31.14	\$31.14	\$31.64	\$31.82	\$31.79
2032		\$32.45	\$32.45	\$32.95	\$33.13	\$33.09
2033		\$33.81	\$33.81	\$34.31	\$34.49	\$34.46
2034		\$35.23	\$35.23	\$35.73	\$35.91	\$35.88
2035		\$36.71	\$36.71	\$37.21	\$37.39	\$37.36
2036		\$38.25	\$38.25	\$38.76	\$38.94	\$38.90
2037		\$39.86	\$39.86	\$40.36	\$40.54	\$40.51
2038		\$41.54	\$41.54	\$42.04	\$42.22	\$42.19
2039		\$43.28	\$43.28	\$43.79	\$43.97	\$43.93
2040		\$45.11	\$45.11	\$45.61	\$45.79	\$45.76