

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and purchased power DOCKET NO. 030001-EI cost recovery clause with

generating performance incentive factor.

DATED: JULY 18, 2003

RESPONSE OF PROGRESS ENERGY FLORIDA TO STAFF'S THIRD* SET OF INTERROGATORIES (NOS. 30 - 42*)

* Note: When propounded upon Progress Energy, these interrogatories were identified as Staff's Second Set, Nos. 8 - 20. Staff counsel advised that the interrogatories should have been identified as Staff's Third Set. Because the previously propounded and answered Second Set of Interrogatories contained Nos. 8 through 29, the interrogatories below have been renumbered as No. 30 through 42.

30. Please provide, in ascending order of incremental fuel cost, Progress Florida's projected dispatch of its system resources for March, 2003, as of February 28, 2003. For each system resource identified, please indicate the projected fuel type, hours of use, energy provided, incremental fuel cost, and total fuel cost.

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Response:

SHYSTR 3 NUCLEAR 744 662,873 \$447 \$2,963.0 MILLERI PURCHASE POWER 741 61,189 \$12,00 \$783.2 MILLERI PURCHASE POWER 741 60,171 \$13,08 \$787.0 MILLER2 PURCHASE POWER 714 56,548 \$13,20 \$784.0 MILLER2 PURCHASE POWER 687 56,017 \$13,34 \$747.2 \$787.5 \$13,54 \$747.2 \$787.5 \$13,54 \$747.2 \$787.5 \$13,54 \$747.2 \$787.5 \$13,54 \$747.2 \$787.5 \$13,54 \$747.2 \$787.5 \$13,54 \$747.2 \$13,54 \$19,27 \$3,234.5 \$787.5 \$15.5	Service Conit (Service)	Fuel Type	Online Hours	Energy Output MWH	Average Fuel Cost	Total Fuel Cost
MILLERI PURCHASE POWER 731 60.171 \$10.08 \$787.09 MILLERI PURCHASE POWER 714 56.548 \$15.20 \$784.00 MILLERI PURCHASE POWER 714 56.548 \$15.20 \$784.00 \$174.20 \$15.20 \$174.20 \$15.20 \$174.	CRYSTR 3			662,873	\$4 47	\$2,963,042
MILLERS PURCHASE POWER 67 56.017 513.34 5742, PRYSTR 2 H.S.COAL 169 72.401 517.99 81.302,5 PRYSTR 2 H.S.COAL 169 72.401 517.99 81.302,5 PRYSTR 3 L.S. COAL 744 479.234 519.27 89.234,8 PRYSTR 4 L.S. COAL 744 4496.084 519.31 88.961,4 PRYSTR 6 L.S. COAL 744 464.084 519.31 88.961,4 PRYSTR 7 H.S.COAL 744 486.084 519.31 88.961,4 PRYSTR 8 H.S. COAL 744 496.084 519.31 88.961,4 PRYSTR 9 PURCHASE POWER 744 496.084 519.31 5764,5 PRYSTR 9 PURCHASE POWER 744 496.083 52.29 59.974,5 PRYSTR 1 H.S. COAL 744 496.083 52.29 59.974,5 PRYSTR 1 H.S. COAL 744 496.083 52.29 59.974,5 PRYSTR 1 H.S. COAL 744 59.986 52.29 59.974,5 PRYSTR 9 PURCHASE POWER 744 496.083 52.29 59.974,5 PRISTR 9 PURCHASE POWER 745 52.50,66 530.72 5770,9 PRISTR 9 PURCHASE POWER 744 52.50,7 PRISTR 9 PURCHASE	MILLER4	PURCHASE POWER	741	61,188	\$12.80	\$783,206
MILER PURCHASE POWER 687 56.017 \$13.34 \$747.2 SPYSTR 2 H.S. COAL 168 72,4011 \$17.99 \$13.05.2 SPYSTR 3 L.S. COAL 744 479.234 \$19.27 \$9.248.8 SPYSTR 4 L.S. COAL 744 479.234 \$19.27 \$9.248.8 SPYSTR 1 H.S. COAL 744 464.094 \$19.31 \$8.96.11 SPYSTR 1 H.S. COAL 744 252.233 \$19.54 \$4.226.8 SPYSTR 1 SPYST	MILLER1	PURCHASE POWER	731	60,171	\$13.08	\$787,037
ERYSTR 2 H.S.COAL 169 72,401 S17,99 \$1,302,5 FRYSTR 6 L.S. COAL 744 474,234 \$19.27 \$9,2345 FRYSTR 1 L.S. COAL 744 464,084 \$19.31 \$3,801,4 FRYSTR 3 L.S. COAL 744 464,084 \$19.31 \$3,801,4 FRYSTR 4 L.S. COAL 744 282,283 \$19.54 \$4,924,5 FRYSTR 1 H.S. COAL 744 282,283 \$19.54 \$4,942,6 FRYSTR 1 H.S. COAL 744 49,963 \$19.54 \$4,942,6 FRYSTR 1 FRYSTR 1 H.S. COAL 744 49,963 \$10.52 \$1.33 \$764.5 FRYSTR 1 FRYSTR 1 H.S. COAL 744 49,963 \$10.52 \$1.33 \$764.5 FRYSTR 1 FRYSTR 1 H.S. COAL 744 49,963 \$10.52 \$1.33 \$1.54,5 FRYSTR 1 FRYSTR 1 H.S. COAL 744 49,963 \$10.52 \$1.33 \$1.54,5 FRYSTR 1 FRYSTR 1 H.S. COAL 744 49,963 \$10.52 \$1.33 \$1.54,5 FRYSTR 1 FRYSTR 1 H.S. COAL 744 49,963 \$10.52 \$1.54,5 FRYSTR 1 FRYSTR 1 H.S. COAL 744 49,963 \$10.52 \$1.54,5 FRYSTR 1 H.S. COAL 744 49,963 \$10.52 \$1.54,5 FRYSTR 1 H.S. COAL 74,7 F	MILLER3	PURCHASE POWER	714	56,548	\$13 20	\$746,434
CRYSTR 6	MILLER2	PURCHASE POWER	687	56,017	\$13.34	\$747,267
ERYSTR 4 LS COAL 7.44 464.094 \$19.31 \$8.861.4 \$8.201.5 \$1.502.5 \$1	CRYSTR 2	H.S.COAL	169	72,401	\$17,99	\$1,302,501
CRYSTR 1 H.S COAL 744 252.283 \$19.54 \$4.226. SCHERERS PURCHASE POWER 442 33.8442 \$21.33 \$764.5 COGN PURCHASE POWER 744 439.683 \$22.69 \$9.376.4 FECOART PURCHASE POWER 744 439.683 \$22.69 \$9.376.5 COGN PURCHASE POWER 744 439.683 \$22.69 \$9.376.7 COGN PURCHASE POWER 744 439.683 \$22.69 \$9.376.7 COGN PURCHASE POWER 744 439.683 \$22.69 \$9.376.7 COGN PURCHASE POWER 744 439.683 \$22.69 \$11.5 COGN PURCHASE POWER 744 50.68 \$25.641 \$31.16 \$1.1	CRYSTR 5	L.S COAL	744	479,234	\$19.27	\$9,234,845
SCHERERS PURCHASE POWER 442 35,848 \$19,54 \$4,928,0 \$19,55 \$1,95 \$4,928,0 \$1,95 \$2,05 \$1,95 \$2,05 \$1,95 \$2,05 \$1,95 \$2,05 \$3,976	CRYSTR 4	L.S COAL	744	464,084	\$19.31	\$8,961,468
DOGN	CRYSTR 1	H.S COAL	744	252,283	\$19.54	\$4,929,600
TECOARI PURCHASE POWER 425 25,096 \$50.72 \$770.9 ORGC 1 GAS 434 31.289 \$37.11 \$1.61.1 \$1.61.1 \$1.6ARTO 3 #8 OIL 5663 \$5.95.41 \$4.876 \$2.95.4 \$4.84TO 1 #6 OIL 263 20.766 \$4.885 \$1.036.1 \$4.87TO 1 #6 OIL 263 20.766 \$4.885 \$1.036.1 \$4.87TO 1 #6 OIL 729 \$5.24TO 1 \$5.14 \$1.95.1 \$1.61.1 \$1.65	SCHERER3	PURCHASE POWER	442	35,842	\$21.33	\$764,510
DRIGC 1 GAS 444 31,289 837,11 \$1,161,1 SARTO 3 #6 OIL 563 5.55,11 \$48,76 \$2,265,4 SARTO 1 #6 OIL 263 20,786 \$49,85 \$1,096,1 SARTO 2 #6 OIL 729 5.2,641 \$351,44 \$2,682,0 SARTO 1 #6 OIL 263 20,786 \$49,85 \$1,096,1 SARTO 2 #6 OIL 729 5.2,641 \$51,14 \$2,682,0 SARCLO 1 #6 OIL 728 144,186 \$55,22 \$7,673,5 SARCLO 2 #6 OIL 728 147,685 \$53,32 \$7,674,5 SARCLO 2 #6 OIL 728 147,685 \$53,32 \$7,674,5 SARCLO 3 #6 OIL 728 147,685 \$53,32 \$7,674,5 SARCLO 3 #6 OIL 728 147,685 \$53,32 \$7,674,5 SARCLO 4 #6 OIL 728 147,685 \$53,32 \$7,674,5 SARCLO 5 \$63 167,001 \$57,49 \$8,600,8 SARCLO 6 SAS 744 101,828 \$67,56 \$6,86,79,5 SUWAN 3 #6 OIL 255 10,760 \$70,67 \$7,67,67 SUWAN 1 #6 OIL 251 3,969 \$80,00 \$317,7 SUWAN 2 #6 OIL 250 4,014 \$90,52 \$363,3 UNIVE 1 GAS 49 980 \$93,39 \$31,55 SUWAN 3 #6 OIL 250 \$4,014 \$90,52 \$363,3 UNIVE 1 GAS 8 6 629 \$100,15 \$63,0 NITERT 7 GAS 8 6 629 \$100,15 \$63,0 NITERT 12 GAS 8 6 629 \$100,15 \$63,0 NITERT 13 GAS 8 6 629 \$100,15 \$63,0 NITERT 13 GAS 8 6 629 \$100,15 \$63,0 NITERT 14 \$20IL 7 888 \$100,88 \$93,9 SARTOD 4 GAS 8 591 \$100,22 \$60,4 NITERT 11 #2 OIL 7 888 \$100,88 \$93,9 SARTOD 5 GAS 6 330 \$100,87 \$33,86 SARTOD 6 GAS 6 330 \$100,87 \$33,86 SARTOD 7 GAS 6 330 \$100,87 \$33,86 SARTOD 8 GAS 6 330 \$110,87 \$33,86 SARTOD 9 \$112,24 \$114,11 \$22,24 \$34,24	COGN	PURCHASE POWER	744	439,683	\$22.69	\$9,976,407
BARTO 3 #6 OIL 563 58.541 \$49.76 \$2.854 \$3.4070 1 #6 OIL 263 20,766 \$49.85 \$1.036,1 \$40.710 2 #6 OIL 729 52841 \$31.14 \$2.020 2 #6 OIL 728 147.665 \$32.2 \$7.673.5 \$40.00 0	TECOAR1	PURCHASE POWER	425	25,096	\$30 72	\$770,949
BARTO 3 #6 OIL 563 \$8,541 \$48,76 \$2,654,4 \$2,654,6 \$3,070.5 \$40.0	ORGC 1	GAS	434	31,289	\$37 11	\$1,161,116
BARTO 2 #6 OIL 729 52,641 \$51 14 \$2,992. ANCLO 1 #6 OIL 651 144,186 \$53 22 \$7,673,5 ANCLO 2 #6 OIL 728 144,186 \$53 22 \$7,673,5 ANCLO 2 #6 OIL 728 144,186 \$53 22 \$7,673,5 ANCLO 2 #6 OIL 728 144,186 \$53 22 \$7,673,5 ANCLO 2 #6 OIL 728 144,186 \$53 22 \$7,673,5 ANCLO 2 #6 OIL 728 144,186 \$53 22 \$7,674,5 ANCLO 2 #6 OIL \$57 49 \$4,600 \$1,600 \$57 49 \$4,600 \$1	BARTO 3	#6 OIL	563	58,541	\$48.76	\$2,854,467
ANCLO 1 #6 OIL 651 144,196 \$53.22 \$7,673.5 ANCLO 2 #6 OIL 728 147,685 \$53.32 \$7,874.5 ANCLO 2 #6 OIL 7728 147,685 \$53.32 \$7,874.5 HINEST GAS 583 167,001 \$57.49 \$3,600.8 TIGG GAS 744 101,828 \$67.56 \$8,879.5 SUMAN 3 #6 OIL 252 10,760 \$70.67 \$7,62,5 SUWAN 1 #6 OIL 255 30,969 \$30.06 \$317.7 SUMAN 2 #6 OIL 251 3,969 \$30.06 \$317.7 SUMAN 2 #6 OIL 255 4,014 \$90.52 \$363.3 UNIVE 1 GAS 49 980 \$33.99 \$91.5 NTERT 7 GAS 8 6629 \$100.15 \$63.0 NTERT 13 GAS 8 6629 \$100.15 \$63.0 NTERT 13 GAS 8 6629 \$100.15 \$63.0 NTERT 11 #2 OIL 7 888 \$100.85 \$100.85 \$32.2 NTERT 11 #2 OIL 7 888 \$100.85 \$30.05 \$100.85 \$30.05 \$30	BARTO 1	#6 OIL	263	20,786	\$49.85	\$1,036,162
ANCLO 1 #6 OIL 651 144,186 \$53 22 \$7,673,5 ANCLO 2 #6 OIL 728 147,685 \$53 32 \$7,674,5 ST ANCLO 2 #6 OIL 728 147,685 \$53 32 \$7,674,5 ST ANCLO 2 #6 OIL 728 147,685 \$53 32 \$7,674,5 ST ANCLO 2 #6 OIL 728 147,685 \$53 32 \$7,674,5 ST ANCLO 2 #6 OIL \$57 49 \$9,600,8 TIGG GAS 744 101,828 \$67,56 \$8,679,5 SUWAN 3 #6 OIL 252 10,760 \$70 87 \$7,62,5 SUWAN 1 #6 OIL 251 3,969 \$80 08 \$317,7 SUWAN 2 #6 OIL 250 4,014 \$90 52 \$363,3 UNIVE 1 GAS 49 980 \$93 39 \$91,5 NTERT 7 GAS 8 6 629 \$100 15 \$63,0 UNIVE 1 GAS 8 8 629 \$100 15 \$63,0 UNIVE 11 GAS 8 93,0 UNIVE 1	BARTO 2	#6 OIL	729	52,641	\$51 14	\$2,692,059
FineS1 GAS 583 167.001 957.49 \$36.80.8 FIGG GAS 744 101,828 \$67.56 \$6,879.5 \$6,879.5 \$5,000.3 #6 OIL 2552 10,7,60 \$70.67 \$762.5 \$6,879.5 \$5,000.3 #6 OIL 2552 10,7,60 \$70.67 \$762.5 \$5,000.3 \$10.0 \$10	ANCLO 1	#6 OIL	651	144,186	\$53 22	\$7,673,590
TIGC GAS 744 101,828 \$67,56 \$6,879,55 SUWAN 3 #6 OIL 252 10,760 \$70,877 \$702,55 SUWAN 1 #6 OIL 251 3,969 \$80,06 \$317,75 SUWAN 1 #6 OIL 250 4,014 \$90,52 \$363,3 UNIVE 1 GAS 49 980 \$93,39 \$91,55 NITERT 7 GAS 8 6 629 \$100,15 \$63,0 NITERT 12 GAS 8 6 629 \$100,15 \$63,0 NITERT 13 GAS 8 6 629 \$100,15 \$63,0 NITERT 10 GAS 8 6 629 \$100,15 \$63,0 NITERT 11 #2 OIL 7 888 \$100,877 \$358,8 BARTOD 4 GAS 6 6 330 \$108,77 \$358,8 BARTOD 5 GAS 6 6 266 \$111,92 \$29,8 BARTOD 6 GAS 6 6 266 \$111,92 \$29,8 BARTOD 7 GAS 8 6 6 269 \$100,15 \$363,0 NITERT 11 #2 OIL 7 7 888 \$108,77 \$358,8 BARTOD 8 GAS 6 8 501 \$102,22 \$60,4 NITERT 11 #2 OIL 7 7 888 \$110,877 \$358,8 BARTOD 9 GAS 6 9 266 \$111,92 \$29,8 BARTOD 10 GAS 7 GAS 9 6 266 \$111,92 \$29,8 BARTOD 10 GAS 9 6 266 \$111,92 \$29,8 BARTOD 2 GAS 9 6 266 \$111,92 \$29,8 BARTOD 2 GAS 9 6 266 \$111,92 \$29,8 BARTOD 3 #2 OIL 4 199 \$113,28 \$22,5 BARTOD 3 #2 OIL 4 199 \$113,28 \$22,5 BARTOD 4 GAS 9 6 266 \$111,92 \$29,8 BARTOD 5 \$20,00 \$114,66 \$17,1 BEBAR 8 GAS 21 994 \$116,13 \$19,00 BEBAR 8 GAS 21 994 \$116,13 \$117,08 \$20,00 BEBAR 9 #2 OIL 3 177 \$118,06 \$20,00 BEBAR 1 #2 OIL 3 159 \$119,02 \$119,00 BEBAR 1 #2 OIL 3 159,00 BEBAR 1 #2 OIL 5 510,000 BEBAR 1 #2 OIL 5 510,000 BEBAR 1 #2 OI	ANCLO 2	#6 OIL	728	147,685	\$53 32	\$7,874,548
TIGC GAS 744 101,828 \$67,56 \$6,879,5 SUWAN 3 #6 OIL 252 10,760 \$70 87 \$762,5 SUWAN 1 #6 OIL 251 3,969 \$80.06 \$317,7 SUWAN 2 #6 OIL 250 4,014 \$90.52 \$363,3 UNIVE 1 GAS 49 980 \$83.39 \$91,5 INTERT 7 GAS 8 6 629 \$100.15 \$63,0 INTERT12 GAS 8 8 629 \$100.15 \$63,0 INTERT13 GAS 8 8 629 \$100.15 \$63,0 INTERT10 GAS 8 8 629 \$100.15 \$63,0 INTERT11 #2 OIL 7 888 591 \$102.22 \$60,4 INTERT11 #2 OIL 7 888 591 \$102.22 \$60,4 INTERT10 GAS 6 8 6 591 \$100.15 \$63,0 INTERT10 GAS 7 8 8 591 \$102.22 \$60,4 INTERT10 GAS 8 8 591 \$102.22 \$60,4 INTERT11 #2 OIL 7 888 510.88 \$33,9 INTERT10 GAS 8 8 591 \$102.22 \$60,4 INTERT10 GAS 8 8 591 \$102.22 \$60,4 INTERT10 GAS 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	HINES1	GAS	583	167,001	\$57 49	\$9,600,876
SUWAN 3	TIGC	GAS	744	101,828	\$67 56	\$6,879,506
SUWAN 1 #6 OIL 251 3,959 \$80 08 5317.7 SUWAN 2 #6 OIL 250 4,014 \$90 52 \$363.3 UNIVE 1 GAS 49 980 \$93 39 \$91,5 INTERT 7 GAS 8 8 629 \$100 15 \$63.0 INTERT 7 GAS 8 8 629 \$100 15 \$63.0 INTERT 7 GAS 8 8 629 \$100 15 \$63.0 INTERT 9 GAS 8 8 629 \$100 15 \$63.0 INTERT 10 GAS 8 8 629 \$100 15 \$63.0 INTERT 10 GAS 8 8 591 \$100.22 \$60.4 INTERT 11 #2 OIL 7 888 \$105.88 \$93.9 BART 10D 4 GAS 8 8 591 \$100.22 \$60.4 INTERT 11 #2 OIL 7 888 \$105.88 \$93.9 BART 10D 5 GAS 6 6 330 \$108.77 \$35.8 BART 10D 6 GAS 6 6 266 \$111.92 \$29.8 BART 10D 7 GAS 16 804 \$111.554 \$90.5 BART 10D 7 GAS 16 804 \$111.554 \$111.555	SUWAN 3		252	10,760	\$70.87	\$762,529
SUMAN 2 #6 OIL 250 4,014 \$90 52 5363,3 UNIVE 1 GAS 49 980 \$93 39 \$91,5 INTERT 7 GAS 8 6 629 \$100 15 \$63,0 INTERT 12 GAS 8 6 629 \$100 15 \$63,0 INTERT 13 GAS 8 6 629 \$100 15 \$63,0 INTERT 113 GAS 8 6 629 \$100 15 \$63,0 INTERT 110 GAS 8 700 \$100 15 \$63,0 INTERT 111 #2 OIL 7 888 \$100 15 \$63,0 INTERT 11 #2 OIL 7 888 \$105,8 \$39,9 INTERT 11 #2 OIL 7 888 \$111,92 \$29,8 INTERT 11 #2 OIL 7 89,9 INTERT 11 #2 OIL 8 89,9 INTERT 11 #2 OIL 9 89,9 INTERT 12 #2 OIL 9 89,9 INTERT 13 #2 OIL 9 89,9 INTERT 13 #2 OIL 9 89,9 INTERT 14 #2 OIL 9 89,9 INTERT 15 #2 OIL 9 89,9 INTERT 15 #2 OIL 9 89,9 INTERT 15 #2 OIL 9 89,9 INTERT 19 #2 OIL 9 89,9 INTER			251	3,969	\$80.06	\$317,792
UNIVE 1 GAS 49 980 \$93.39 \$91.5 NTERT 7 GAS 8 6629 \$100.15 \$63.0 NTERT 12 GAS 8 629 \$100.15 \$63.0 NTERT 13 GAS 8 629 \$100.15 \$63.0 INTERT 13 GAS 8 629 \$100.15 \$63.0 INTERT 10 GAS 8 629 \$100.15 \$63.0 INTERT 10 GAS 8 6529 \$100.15 \$63.0 INTERT 10 GAS 8 6529 \$100.15 \$63.0 INTERT 11 #2 OIL 7 888 \$102.22 \$60.4 INTERT 11 #2 OIL 7 888 \$102.22 \$60.4 INTERT 11 #2 OIL 7 888 \$100.87 \$33.0 BARTOD 4 GAS 6 330 \$108.77 \$35.8 BARTOD 2 GAS 6 266 \$111.92 \$29.8 BARTOD 2 GAS 6 266 \$111.92 \$29.8 BARTOC 3 #2 OIL 4 199 \$113.28 \$22.5 SUWANA 1 #2 OIL 4 199 \$113.28 \$22.5 SUWANA 1 #2 OIL 4 252 \$114.11 \$28.7 BARTOA 1 #2 OIL 3 168 \$114.91 \$19.2 BARTOA 1 #2 OIL 3 168 \$114.91 \$19.2 BARTOA 1 #2 OIL 3 150 \$114.66 \$17.1 DEBAR 8 GAS 21 9904 \$116.13 \$105.0 SUWAND 2 #2 OIL 3 171 \$118.06 \$20.2 SUWANB 2 #2 OIL 3 171 \$118.06 \$20.2 DEBAR 1 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 2 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 3 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 4 #2 OIL 3 156 \$119.64 \$119.2 INTERT 1 #2 OIL 2 116 \$12.0 INTERT 1 #2 OIL 3 150 \$114.0 INTERT 1 #2 OIL 3 150 \$114.0 INTERT 1 #2 OIL 3 150 \$119.22 \$18.9 DEBAR 4 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 5 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 6 #2 OIL 9 116 \$12.01 \$14.0 INTERT 1 #2 OIL 9 99 \$12.230 \$12.1 INTERT 3 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 6 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 7 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 DEBAR 1 #2 OIL 1 1 58 512.00 \$3.55 D	SUWAN 2			4,014	\$90 52	\$363,305
NTERT 7 GAS				980	\$93 39	\$91,522
NTERT12				629	\$100 15	\$63,034
NTERT13					\$100 15	\$63,034
NTERT10	INTERT13		8	629	\$100 15	\$63,034
NTERT11			8	591	\$102.22	\$60,461
BARTOD 4 GAS 6 330 \$108.77 \$35.8 BARTOD 2 GAS 6 266 \$111.92 \$29.8 BARTOB 2 GAS 6 266 \$111.92 \$29.8 BARTOB 3 GAS 116 804 \$112.54 \$90.5 BARTOG 3 #2 OIL 4 199 \$113.28 \$22.5 SUWANA 1 #2 OIL 4 252 \$114.11 \$28.7 BAYBO 2 #2 OIL 3 168 \$114.31 \$19.2 BARTOA 1 #2 OIL 3 150 \$114.66 \$117.1 BAYBO 2 #2 OIL 3 150 \$114.66 \$117.1 BAYBO 2 #2 OIL 3 170 \$117.0 \$111.0 \$117.0 \$11				888	\$105.88	\$93,989
BARTOB 2 GAS 6 266 \$111.92 \$29.8 DEBAR 7 GAS 16 804 \$112.54 \$90.5 BARTOC 3 #2 OIL 4 199 \$113.28 \$22.5 SUWANA 1 #2 OIL 4 252 \$114.11 \$28.7 BAYBO 2 #2 OIL 3 168 \$114.31 \$19.2 BARTOA 1 #2 OIL 3 150 \$114.66 \$17.1 DEBAR 8 GAS 21 904 \$116.13 \$105.0 SUWANB 2 #2 OIL 3 178 \$117.08 \$20.8 SUWANB 2 #2 OIL 3 171 \$118.06 \$20.2 DEBAR 1 #2 OIL 3 171 \$118.06 \$20.2 DEBAR 1 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 2 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 3 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 3 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 4 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 5 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 6 #2 OIL 2 166 \$12.7 INTERT 6 #2 OIL 2 166 \$12.0 INTERT 1 #2 OIL 2 166 \$12.0 INTERT 1 #2 OIL 2 166 \$12.0 INTERT 1 #2 OIL 2 166 \$12.0 INTERT 3 #2 OIL 2 166 \$12.0 INTERT 3 #2 OIL 3 515.0 INTERT 9 #2 OIL 1 58 \$12.0 INTERT 9 #2 OIL 1 58 \$155.27 DEBAR 10 #2 OIL 1 58 \$12.0 INTERT 9 #2 OIL 1 58 \$155.27 DEBAR 10 #2 OIL 1 58 \$155.27 DEBAR 10 #2 OIL 1 58 \$155.27			6	330	\$108.77	\$35,894
DEBAR 7 GAS 16 804 \$112.54 \$90.5 BARTOC 3 #2 OIL 4 199 \$113.28 \$22.5 SUWANA 1 #2 OIL 4 252 \$114.11 \$28.7 SUWANA 1 #2 OIL 3 168 \$114.31 \$19.2 BARTOA 1 #2 OIL 3 150 \$114.66 \$17.1 DEBAR 8 GAS 21 904 \$116.13 \$105.0 SUWANC 3 #2 OIL 3 178 \$117.08 \$20.8 SUWANB 2 #2 OIL 3 171 \$118.06 \$20.2 DEBAR 1 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 2 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 3 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 4 #2 OIL 3 159 \$119.22 \$18.9 DEBAR 5 #2 OIL 2 106 \$120.42 \$17.7		GAS	6	266	\$111.92	\$29,815
BARTOC 3 #2 OIL 4 199 \$113 28 \$22,5 \$14 111 \$28,7 \$28,7 \$24,5 \$24,5 \$34,0 \$3 \$42,5 \$44,0 \$45,5 \$42,5 \$				804	\$112.54	\$90,505
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DEBAR 4 #2 OIL 3 156 \$119 64 \$18,7 DEBAR 5 #2 OIL 2 106 \$120 42 \$12,7 INTERT 5 #2 OIL 2 116 \$121 26 \$14,0 INTERT 1 #2 OIL 2 116 \$121 61 \$14,1 INTERT 4 #2 OIL 6 312 \$122.09 \$38,0 DEBAR 6 #2 OIL 2 99 \$122.30 \$12,1 INTERT 3 #2 OIL 1 58 \$126 28 \$7,3 INTERT 9 #2 OIL 2 50 \$150 00 \$7,5 DEBAR 10 #2 OIL 6 152 \$155 27 \$23,6	DEBAR 2	#2 OIL	3	159	\$119.22	\$18,956
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DEBAR 5 #2 OIL 2 106 \$120 42 \$12,7 INTERT 5 #2 OIL 2 116 \$121 26 \$14,0 INTERT 1 #2 OIL 2 116 \$121 61 \$14,1 INTERT 4 #2 OIL 6 312 \$122.09 \$38,0 DEBAR 6 #2 OIL 2 99 \$122.30 \$12,1 INTERT 3 #2 OIL 1 58 \$126 28 \$7,3 INTERT 9 #2 OIL 2 50 \$150 00 \$7,5 DEBAR 10 #2 OIL 6 152 \$155 27 \$23,6	DEBAR 4		3	156	\$119 64	\$18,708
NTERT 5	DEBAR 5			106	\$120 42	\$12,765
INTERT 1 #2 OIL 2 116 \$121 61 \$14,1 INTERT14 #2 OIL 6 312 \$122.09 \$38,0 DEBAR 6 #2 OIL 2 99 \$122.30 \$12,1 INTERT 3 #2 OIL 1 58 \$126 28 \$7,3 INTERT 9 #2 OIL 2 50 \$150 00 \$7,5 DEBAR 10 #2 OIL 6 152 \$155 27 \$23,6	INTERT 5	#2 OIL	2	116	\$121 26	\$14,066
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INTERT 3 #2 OIL 1 58 \$126 28 \$7,3 INTERT 9 #2 OIL 2 50 \$150 00 \$7,5 DEBAR 10 #2 OIL 6 152 \$155 27 \$23,6	DEBAR 6	· 		99	\$122.30	\$12,153
NTERT 9 #2 OIL 2 50 \$150 00 \$7,5 DEBAR 10 #2 OIL 6 152 \$155 27 \$23,6	INTERT 3			58	\$126 28	\$7,324
DEBAR 10 #2 OIL 6 152 \$155 27 \$23.6	INTERT 9			50	\$150 00	\$7,500
	DEBAR 10			152	\$155 27	\$23,658
	BAYBO 3	#2 OIL		84	\$155.92	\$13,09

^{*} Note - Average rather than incremental fuel cost has been reported. Unit incremental fuel cost refers to the cost for the next MW at a specific point in time for a specific unit loading. Since this interrogatory requests cost data over a monthly period, during which unit loadings vary widely, average unit fuel cost (for the respective online hours) was deemed more appropriate and responsive to the data request.

31. For each day of March, 2003, please provide Progress Florida's projections, as of February 28, 2003, for the following: projected natural gas requirements; projected natural gas requirements to be acquired at fixed or pre-determined prices; and the projected average fixed or pre-determined price.

Response:

		Projected	Projected	Duningtod
		Natural Gas	Requirements	Projected
W # 4.1-	D	Requirements		
Month	Day	(MMBtu)	(MMBtu)	Price
Mar-03	1	86,374		
	2 3	88,752		
		86,644		
	4	74,315		
	5	73,135		
	6	71,559		
	7	71,348		
	8	160,919		
	9	75,392		
	10	76,743		
	11	77,037		
	12	74,662		
	13	74,662		
	14	73,443		•
	15	71,623		•
	16	75,068		
	17	73,646		
	18	76,793		
	19	75,661		
	20	75,171		
	21	73,340		
	22	71,915		
	23	78,902		
	24	82,370		
	25	79,201		
	26	85,299		
	27	93,057		
	28	77,993		
	29	66,446		
	30	29,687		
	31	27,340		

32. For each day of March, 2003, please provide Progress Florida's actual natural gas requirements, the amount of natural gas Progress Florida acquired in the spot market, and the average spot market price.

Response:

	A - 1 - 1 N - 1 - 1 O		I Mainhand Avenue
	Actual Natural Gas	O	Weighted Average
Day	Requirements (MMBtu)	Spot Purchases	Spot Market Price
1	131,181	0	\$0.00
2	121,777	0	\$0.00
3	122,525	0	\$0.00
4	135,995	0	\$0.00
5	178,472		
6	195,908		
7	191,038		
8	141,428		
9	170,434		
10	165,266		
11	142,543		
12	162,924		
13	187,435		
14	135,445		
15	126,762		
16	98,660		
17	116,344		
18	125,436		
19	216,905		
20	237,532		
21	125,544		
22	135,067		
23	91,463		
24	103,834		
25	102,381	0	\$0.00
26	100,710	0	\$0.00
27	99,578	0	\$0.00
28	97,402	0	\$0.00
29	104,127		
30	101,147		
31	87,338		
Total	4,252,601 *		
L			

*Note: Total actual natural gas requirements of 4,252,601 MMBtu's differ slightly from the 4,197,941 MMBtu's reported on the A Schedules due to timing.

33. Please indicate Progress Florida's minimum daily natural gas requirements for each month from October, 2003, through March, 2004.

Response:

Month	Minimum Daily Natural Gas Requirements
Month	(MMBtu)
Oct-03	
Nov-03	
Dec-03	
Jan-04	
Feb-04	
Mar-04	

34. Please indicate the amount of natural gas that Progress Florida has acquired as of May 31, 2003, for use for each month from October 2003 through March 2004.

Response:

PEF has contracts in place for the following MMBtu's to serve load from October 2003 through March 2004:

October 2003 November 2003 December 2003 January 2004 February 2004 March 2004



- 35. For each month from January through April, 2003, please provide the following information:
 - Volumes of natural gas, residual oil, and electricity hedged using fixed price contracts or instruments (please identify units of fuel in MMBtu);

Response:

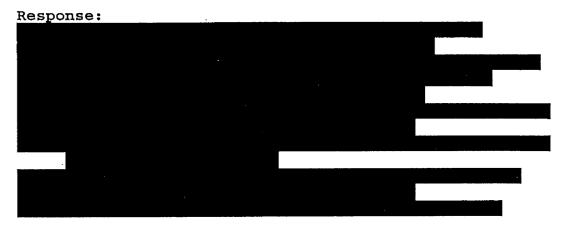
	Natural Gas:	Residual Oil*:	Electricity:
January	1,491,689	1,171,306	0
February	1,347,332	1,150,814	0
March	1,181,689	1,536,381	0
April	843,570	772,152	0
*Based on	6.57 MMBtu/bbl		

2. Hedging instruments the utility used (please describe each instrument identified);

Response: Hedging instruments used were: 1) Fixed price transactions, 2) Zero Cost Collars (Buy a Call/Sell a Put

at a net cost of zero dollars), and 3) Conversion from Inside FERC index to Gas Daily Midpoint.

3. Volume and type of fuel hedged with each instrument;



4. Average period of each hedge by month and by contract/instrument;

Response:

January - Both gas hedges at 31 days February - Both gas hedges at 28 days March - Both gas hedges at 31 days April - Gas hedge at 30 days

For Residual Oil, the barrels hedged were not for a specific time period but on specific barge deliveries.

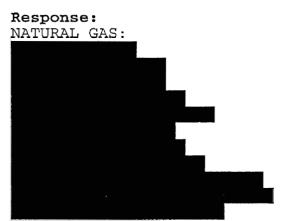
5. Actual total cost (e.g. fees, commissions, options premiums, futures gains and losses, swap settlements) associated for each hedging instrument; and

Response: There were no transaction costs associated with the hedged volumes listed above.

6. Indicate how the average period of each hedge referenced in part d., above, was calculated.

Response: A fixed volume of gas supply was purchased for the entire month. For residual oil, please see response to interrogatory number 36, part 4.

- 36. For each month from May, 2003, through March, 2004, please provide the following information for hedges in effect as of June 3, 2003:
 - 1. Volumes of natural gas, residual oil, and electricity hedged using fixed price contracts or instruments (please identify units of fuel in MMBtu);



For Residual Oil and Electricity, there are zero volumes hedged for this time period.

2. Hedging instruments the utility used (please describe each instrument identified);

Response: Hedging instruments are 1) Fixed price transactions, and 2) Caps (Limits the price PEF is required to pay for natural gas supply).

3. Volume and type of fuel hedged with each instrument;





4. Average period of each hedge by month and by contract/instrument;

Response: Each hedge was executed for the entire month (i.e. February 2004 = 29 days, March 2004 = 31 days).

5. Actual total cost (e.g. fees, commissions, options premiums, futures gains and losses, swap settlements) associated with each hedging instrument; and

Response:

6. Indicate how the average period of each hedge referenced in part d., above, was calculated.

Response: A fixed volume of supply was purchased for the entire month.

37. For that portion of Progress Florida's March, 2003, under-recovery not reflected in the rates approved through Progress Florida's April, 2003, mid-course correction, please identify the percentage of the under-recovery attributable to the following: fuel price changes; heat rate changes; and volume changes. Please show all calculations. If Progress Florida's response would indicate that fuel switching between two fuels is a volume change rather than a fuel price change for purposes of the percentage calculations, please explain.

Response: The projected under-recovery as of March 31, 2003 in Progress Energy's mid-course filing was \$52.9 million. The actual under-recovery as of the same date was \$85.4 million, for a difference of \$32.5 million. Of this difference, \$7.8 million or 23.4% is due to a decrease in revenues, \$20.8 million or 64.6% is due to fuel price changes, \$1.2 million or 3.7% is due to a change in heat rate and \$2.7 million or 8.3% is due to volume changes. (See Attachment A for the supporting calculation)

38. What percent of natural gas volumes delivered to Progress Florida's generating units in March, 2003, were unhedged either physically or financially? Please show all calculations.

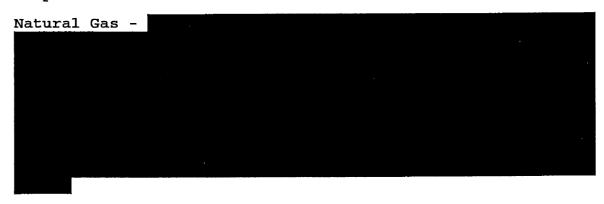
Response: Total natural gas volume unhedged was MMBtu divided by total volume burned of 4,197,941 MMBtu)

39. Please indicate the amount, if any, of Progress Florida's natural gas purchases in March, 2003, that were resold to another party and indicate the amount of such sales that were required by any contract existing prior to March, 2003. Please indicate where Progress Florida has represented such sales as credits to the fuel clause on Progress Florida's March, 2003, A Schedules.

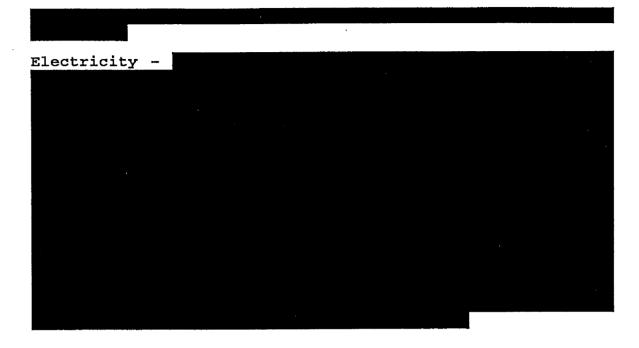
Response: Progress Florida resold 478,104 MMBtus to third parties in the month of March 2003. Of these, none were required under a contract that existed prior to March 2003. Natural gas resales are not reflected on the A Schedules.

40. What is Progress Florida's current strategy for hedging natural gas, residual oil, and electricity prices for October, 2003, through March, 2004, in sufficient quantities to meet Progress Florida's objectives in its risk management plan and the direction afforded by Order No. PSC-02-1484-FOF-EI, issued October 30, 2002, in Docket No. 11605-EI?

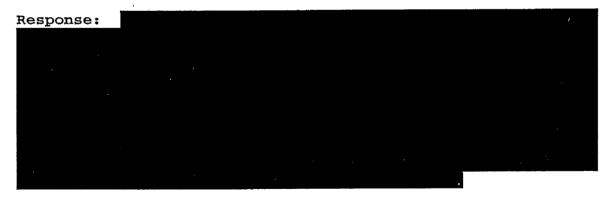
Response:



Residual Oil -



41. What changes, if any, does Progress Florida expect in 2003 and 2004 with respect to its natural gas storage capabilities and fuel switching capabilities? If changes are expected, how and when does Progress Florida expect such changes will impact fuel costs.



42. What was Progress Florida's ending inventory for natural gas for April, 2003?

Response: Progress Florida did not have ending inventory for natural gas since it does not own storage.

Progress Energy Florida, Inc. Docket No. 030001-El Response to Staff's 3rd Set of Interrogatories No. 37.

Attachment A

VARIANCE ANALYSIS OF FUEL & NET PURCHASED POWER EXPENSES

January - March 2003

		COST	
	Actual	Projection	Difference
Generation	\$226,295,135	\$198,330,419	\$27,964,716
Purchases	66,439,407	61,699,483	4,739,924
Sales	(36,756,439)	(29,648,265)	(7,108,174)
Total	\$255,978,103	\$230,381,637	\$25,596,466

	MWH	
Actual	Projection	Difference
7,852,326	7,742,965	109,361
2,561,137	2.179,476	381,661
(1,084,684)	(794,151)	(290,533)
9,328,779	9,128,290	200,489

''	BTU	
Actual	Projection	Difference
76,379,795	74,859,802	1,519,993
0	0	0
G.	0	0
Ü		

		HEAT RATE	
	Actual	Projection	Difference
Generation	9,727	9,668	59
Purchases	0	0	0
Sales	0	0	0
Total			

COST PER MMBTU OR MWH						
	Actual Projection Difference					
\$	2.963	\$	2.649	\$	0.314	
\$	25.941	\$	28.309	\$	(2.368)	
\$	33.887	\$	37.333	\$	(3.446)	

	REVENUE	
Actual	Projection	Difference
\$206,300,632	\$214,134,615	(\$7,833,983)

System \$ Amount	MWH Variances	Heat Rate Variances	Price Variances	Total Variance	Jurisdict. \$ Amount	MWH Variances \$2,698,036	Heat Rate Variances \$1.182.222	Price Variances \$23,058,471	Total Variance \$26.938.729
Generation	\$2,800,793 10.804,441	\$1,227,248 0	\$23,936,675 (6,084,517)	\$27,964,716 4,739,924	Generation Purchases	10,408,041	0	(5,842,018)	4,566,023
Purchases Sales	(10,846,458)	0	3,738,294	(7,108,174)	Sales	(10,448,526)	0 \$1,182,222	3,601,141 \$20,817,594	\$24.657,367
Total	\$2,758,766	\$1,227,248	\$21,610,452	\$25,596,466	Total	\$2,657,551	Φ1,102,222	\$20,017,004	Ψ24,007,007

Percent	MWH	Heat Rate	Price	Total
	Variances	Variances	Variances	Variance
Generation	8,30%	3.64%	70.97%	82.91%
Purchases	32.03%	0 00%	-17.98%	14.05%
Sales	-32.16%	0.00%	11.08%	-21 07%
Subtotal	8.25%	3.67%	64.64%	76.57%
Revenue	23.43%	0 00%	0.00%	23.43%
Total	31.69%	3 67%	64.64%	100.00%

Mwh \$ Variance = Mwh Difference x Projected Heat Rate x Projected Cost Heat Rate \$ Variance = Actual Mwh x Heat Rate Difference x Projected Cost Price \$ Variance = Actual Btu or Mwh x Cost Difference