

DRAFT

FLORIDA POWER & LIGHT CO.
WEST COUNTY CT - 1A

LOAD MW: 242
FUEL: Natural Gas

DATE: 11/14/2011
RUN 1

ANALYZER CALIBRATION ERROR, SYSTEM BIAS AND SYSTEM DRIFT DATA

ANALYZER RANGE	CAL GASES	CERTIFIED GAS VALUE	ANALYZER VALUE	DIFFERENCE PPM	% SPAN	ANALYZER PRETEST VALUE	% SPAN	ANALYZER POSTTEST VALUE	% SPAN	% DRIFT	ANALYZER SERIAL #
10	ppm NOx	0.00	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.0	0600314587
	ppm NOx	5.00	4.99	0.0	-0.1	5.00	0.1	5.00	0.1	0.0	
	ppm NOx	9.78	9.81	0.0	0.3						
25	% O2	0.00	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.0	1420B701932
		13.80	13.81	0.0	0.0	13.81	0.0	13.79	-0.1	-0.1	
10	% CO2	24.30	24.34	0.0	0.2						1415D3453
		0.00	0.00	0.0	0.0	0.05	0.5	0.04	0.4	-0.1	
		5.06	5.05	0.0	-0.1	5.04	-0.1	5.03	-0.2	-0.1	
10	PPM CO	9.69	9.66	0.0	-0.3						00004483
		0.00	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.0	
		5.56	5.53	0.0	-0.3	5.60	0.7	5.56	0.3	-0.4	
		9.79	9.69	-0.1	-1.0						

UNCORRECTED REFERENCE DATA

Date & Time	NOx PPM	O2 %	CO2 %	CO PPM
8/14/2012 9:56	2.51	12.99	4.53	0.19
8/14/2012 9:58	2.50	12.98	4.53	0.17
8/14/2012 10:00	2.45	12.99	4.53	0.18
8/14/2012 10:02	2.45	13.04	4.50	0.21
8/14/2012 10:04	2.42	13.22	4.39	0.17
8/14/2012 10:06	2.52	13.19	4.41	0.16
8/14/2012 10:08	2.44	13.22	4.39	0.16
8/14/2012 10:10	2.43	13.19	4.41	0.19
8/14/2012 10:12	2.49	13.16	4.43	0.16
8/14/2012 10:14	2.47	13.16	4.43	0.17
8/14/2012 10:16	2.46	13.14	4.43	0.16
8/14/2012 10:18	2.36	13.14	4.43	0.16
* 8/14/2012 10:28	2.49	13.16	4.42	0.23
8/14/2012 10:30	2.56	13.18	4.42	0.27
8/14/2012 10:32	2.56	13.19	4.41	0.25
8/14/2012 10:34	2.49	13.23	4.39	0.28
8/14/2012 10:36	2.49	13.24	4.39	0.22
8/14/2012 10:38	2.52	13.23	4.39	0.03
8/14/2012 10:40	2.47	13.24	4.38	0.00
8/14/2012 10:42	2.48	13.22	4.40	0.03
8/14/2012 10:44	2.45	13.24	4.38	0.06
8/14/2012 10:46	2.53	13.19	4.41	0.10
8/14/2012 10:48	2.48	13.18	4.42	0.12
8/14/2012 10:50	2.51	13.19	4.42	0.16
* 8/14/2012 11:00	2.44	13.16	4.42	0.09
8/14/2012 11:02	2.48	13.18	4.41	0.15
8/14/2012 11:04	2.42	13.19	4.41	0.14
8/14/2012 11:06	2.56	13.18	4.42	0.11
8/14/2012 11:08	2.48	13.18	4.41	0.11
8/14/2012 11:10	2.49	13.19	4.41	0.10
8/14/2012 11:12	2.54	13.19	4.41	0.09
8/14/2012 11:14	2.52	13.18	4.41	0.08
8/14/2012 11:16	2.44	13.19	4.41	0.13
8/14/2012 11:18	2.50	13.17	4.42	0.13
8/14/2012 11:20	2.45	13.17	4.42	0.16
8/14/2012 11:22	2.43	13.18	4.41	0.19
Average	2.48	13.17	4.42	0.15

BIAS ADJUSTED AVERAGES	
% O2	13.17
% CO2	4.44
CO ppmvd	0.15
NOx ppmvd	2.48

CORRECTED ANALYZER VALUES	
% O2	13.17
% CO2	4.44
AVG. ADJUSTED CO ppmvd @ 15% O2	0.11
AVG. ADJUSTED NOx ppmvd @ 15% O2	1.89

* The Compliance test consists of three Rata runs. The break in the Compliance run time is due to the Rata calibrations.

DRAFT

FLORIDA POWER AND LIGHT CO.
WEST COUNTY UNIT NO. CT-1A

Test Date: 08/30/11

Run 1

ANALYZER CALIBRATION ERROR DATA

RANGE SETTING	GAS UNITS	CERTIFIED GAS VALUE	ANALYZER VALUE	≤ 0.5 DIFF PPM	OR	+ 2% SPAN	ANALYZER SERIAL #
10	ppm NOx	0.00	0.00	0.0		0.0	
10	ppm NOx	5.00	4.99	0.0		-0.1	0600314588
10	ppm NOx	9.78	9.81	0.0		0.3	
25	% O2	0.00	0.00	0.0		0.0	
25	% O2	13.80	13.81	0.0		0.0	01420E701856
25	% O2	24.30	24.34	0.0		0.2	
10	% CO2	0.00	0.00	0.0		0.0	
10	% CO2	5.06	5.05	0.0		-0.1	01415C1245
10	% CO2	9.69	9.66	0.0		-0.3	
10	ppm CO	0.00	0.00	0.0		0.0	
10	ppm CO	5.56	5.53	0.0		-0.3	00004484
10	ppm CO	9.79	9.69	-0.1		-1.0	

SYSTEM BIAS AND CALBRATION DRIFT DATA

GAS UNITS	ANALYZER VALUE	PRETEST CHECK	OR		POSTTEST CHECK	OR		OR	
			≤ 0.5 DIFF PPM	+ 5% SPAN		≤ 0.5 DIFF PPM	+ 5% SPAN	≤ 0.5 DIFF PPM	≤ 3% DRIFT
ppm NOx	0.00	0.00	0.00	0.0	0.00	0.0	0.00	0.0	
ppm NOx	4.99	5.00	0.01	0.1	4.98	-0.01	-0.1	0.02	
% O2	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
% O2	13.81	13.81	0.00	0.0	13.80	-0.01	0.0	0.01	
% CO2	0.00	0.05	0.05	0.5	0.06	0.06	0.6	-0.01	
% CO2	5.05	5.04	-0.01	-0.1	5.03	-0.02	-0.2	0.01	
ppm CO	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00	
ppm CO	5.53	5.60	0.07	0.7	5.62	0.09	0.9	-0.02	

UNCORRECTED REFERENCE DATA

Date / Time	NOx PPM	% O2	% CO2	CO PPM
8/14/2012 9:56	2.51	12.99	4.53	0.19
8/14/2012 9:58	2.50	12.98	4.53	0.17
8/14/2012 10:00	2.45	12.99	4.53	0.18
8/14/2012 10:02	2.45	13.04	4.50	0.21
8/14/2012 10:04	2.42	13.22	4.39	0.17
8/14/2012 10:06	2.52	13.19	4.41	0.16
8/14/2012 10:08	2.44	13.22	4.39	0.16
8/14/2012 10:10	2.43	13.19	4.41	0.19
8/14/2012 10:12	2.49	13.16	4.43	0.16
8/14/2012 10:14	2.47	13.16	4.43	0.17
8/14/2012 10:16	2.46	13.14	4.43	0.16
8/14/2012 10:18	2.36	13.14	4.43	0.16
AVERAGE	2.46	13.13	4.45	0.17

CORRECTED RESULTS	
NOx PPM	2.46
% O2	13.13
% CO2	4.46
CO PPM	0.17
CORRECTED NOx PPM	1.87
LB/MMBTU NOx	0.007

F Factor 8710

Average Values Report
Generated: 8/14/2012 12:20

Company: Florida Power & Light
Plant: West County Plant
City/St: Loxahatchee, FL 33470
Source: stackla

Period Start: 8/14/2012 09:56
Period End: 8/14/2012 11:22
Validation Type: 1/1 min
Averaging Period: 2 min
Type: Block Avg

Period Start:	Average 1A_O2 %	Average 1A_CO ppm	Average 1A_NOX ppm	Average 1ANOXMMBTU #/MBTU	Average 1A_CT_MW MW	Average 1A_MW_TOT MW
08/14/2012 09:56	12.85	0.1	2.4	0.0064	239.2	379.2
08/14/2012 09:58	12.86	0.1	2.4	0.0064	239.1	377.7
08/14/2012 10:00	12.85	0.1	2.4	0.0064	238.9	377.8
08/14/2012 10:02	12.85	0.1	2.4	0.0064	238.7	377.8
08/14/2012 10:04	12.85	0.1	2.3	0.0062	238.6	378.2
08/14/2012 10:06	12.84	0.1	2.4	0.0064	238.7	378.4
08/14/2012 10:08	12.87	0.1	2.3	0.0062	239.1	378.8
08/14/2012 10:10	12.86	0.1	2.4	0.0065	238.8	378.9
08/14/2012 10:12	12.87	0.1	2.3	0.0062	238.7	378.6
08/14/2012 10:14	12.86	0.1	2.3	0.0062	239.1	379.3
08/14/2012 10:16	12.84	0.1	2.4	0.0064	238.8	379.2
08/14/2012 10:18	12.85	0.1	2.3	0.0062	238.6	379.3
08/14/2012 10:20	12.82	0.1	2.3	0.0062	238.1	378.5
08/14/2012 10:22	12.83	0.1	2.2	0.0059	238.3	378.5
08/14/2012 10:24	12.85	0.1	2.3	0.0062	239.0	379.4
08/14/2012 10:26	12.83	0.1	2.3	0.0062	239.3	379.5
08/14/2012 10:28	12.83	0.1	2.3	0.0062	238.8	378.9
08/14/2012 10:30	12.83	0.1	2.3	0.0062	239.0	379.4
08/14/2012 10:32	12.84	0.1	2.3	0.0062	239.3	379.6
08/14/2012 10:34	12.83	0.1	2.4	0.0065	239.3	379.6
08/14/2012 10:36	12.83	0.1	2.4	0.0064	238.8	379.1
08/14/2012 10:38	12.84	0.1	2.3	0.0062	239.1	379.5
08/14/2012 10:40	12.83	0.1	2.4	0.0064	239.4	379.6
08/14/2012 10:42	12.83	0.1	2.4	0.0064	239.2	379.4
08/14/2012 10:44	12.83	0.1	2.3	0.0062	239.1	379.2
08/14/2012 10:46	12.83	0.1	2.3	0.0062	239.0	378.8
08/14/2012 10:48	12.84	0.1	2.3	0.0062	239.5	379.3
08/14/2012 10:50	12.83	0.1	2.4	0.0064	239.6	379.6
08/14/2012 10:52	12.82	0.1	2.3	0.0062	239.6	379.7
08/14/2012 10:54	12.83	0.1	2.4	0.0064	239.5	379.4
08/14/2012 10:56	12.84	0.1	2.4	0.0064	239.5	379.8
08/14/2012 10:58	12.84	0.1	2.4	0.0064	239.5	379.6
08/14/2012 11:00	12.83	0.1	2.3	0.0062	239.0	379.0
08/14/2012 11:02	12.83	0.1	2.3	0.0062	238.9	378.8
08/14/2012 11:04	12.84	0.1	2.3	0.0061	238.9	378.9
08/14/2012 11:06	12.84	0.1	2.3	0.0062	238.9	378.9
08/14/2012 11:08	12.84	0.1	2.3	0.0062	239.7	380.0
08/14/2012 11:10	12.83	0.1	2.4	0.0064	239.3	379.2
08/14/2012 11:12	12.84	0.1	2.3	0.0062	239.3	379.5
08/14/2012 11:14	12.85	0.1	2.3	0.0062	239.5	379.4
08/14/2012 11:16	12.85	0.1	2.4	0.0065	239.3	379.3
08/14/2012 11:18	12.85	0.1	2.4	0.0064	238.6	378.5
08/14/2012 11:20	12.86	0.1	2.3	0.0062	238.9	379.0
08/14/2012 11:22	12.83	0.1	2.4	0.0064	238.5	378.7
Daily Average*	12.84	0.1	2.3	0.0063	239.0	379.1
Maximum*	12.87	0.1	2.4	0.0065	239.7	380.0
	08/14/2012 10:12	08/14/2012 11:22	08/14/2012 11:22	08/14/2012 11:16	08/14/2012 11:08	08/14/2012 11:08
Minimum*	12.82	0.1	2.2	0.0059	238.1	377.7
	08/14/2012 10:52	08/14/2012 11:22	08/14/2012 10:22	08/14/2012 10:22	08/14/2012 10:20	08/14/2012 9:58

* Does not include Invalid Averaging Periods ("N/A")