

Backup for
pg 5 lines 8-9

Year: 2000 #CTs: 12 Units: PFL 445, PMR 3&4, & PPN 1&2

Prior Yr →

Timeframe
2001-2016

FPL NEW CC/CT CAPACITY ADDITIONS			
Completion Year	No. of CTs Added	Units	Summer Capacity MW
2001	2	PMR 8A & 8B	320
2001	2	PFM 3	324
2002	6	PFM 2	929
2003	8	PSN 4 & 5	1,134
2005	2	PMR 8C & 8D	787
2005	4	PMT 3	1,104
2007	4	PTF 5	1,144
2009	3	WCEC 1	1,219
2010	3	WCEC 2	1,219
2011	3	WCEC 3	1,219
2012		none	0
2013	3	CCEC	1,210
2014	3	RBEC	1,212
2015		none	0
2016	3	PEEC	1,237
	46	<<< Total >>>	13,058

MWs added

CTs added

2017

Site	Unit	Manufacturer	Outage Description	Original Equipment Recommended Interval	PGD FPL Fleet Team Recommended Interval	Total Expected* SH by next Overhaul	Total Expected* Years by next Overhaul
Manatee	3	General Electric	Generator major	48,000 - 64,000 hours (4 - 8 years)	(10 - 12 years)	98,600	12
Manatee	3	Toshiba	Steam Turbine major	48,000 Hours (4 - 6 years)	(8 - 12 years)	98,600	12
Martin	8	General Electric	Generator major	48,000 - 64,000 hours (4 - 8 years)	(10 - 12 years)	95,700	12
Martin	8	Toshiba	Steam Turbine major	48,000 Hours (4 - 6 years)	(8 - 12 years)	95,700	12
Ft. Myers	2	General Electric	Generator minor	(2 - 3 years)	(3 - 4 years)	29,400	4
Ft. Myers	2	General Electric	Steam Turbine valves	(3 - 4 years)	(6 - 8 years)	48,900	6
West County	3	Mitsubishi	Combustion Turbine major	48,000 Hours (4 - 6 years)	48,000 Hours (4 - 6 years)	49,200	6
Cape Canaveral	3	Siemens	Hot Gas Path	33,000 hours (4 years)	33,000 hours (4 years)	35,300	4
Cape Canaveral	3	Siemens	Generator minor	(2 - 3 years)	(3 - 4 years)	35,300	4

2018

Site	Unit	Manufacturer	Outage Description	Original Equipment Recommended Interval	PGD FPL Fleet Team Recommended Interval	Total Expected* SH by next Overhaul	Total Expected* Years by next Overhaul
Sanford	5	GE	Generator Minor	(2 - 3 years)	(3 - 4 years)	21,100	3
Sanford	5	Siemens	Steam turbine valves	24,000 hrs (3-4 years)	6-8 years	44,200	6
West County	1	Mitsubishi	Hot Gas Path	24,000 hrs (3-4 years)	24,000 hrs (3-4 years)	28,000	4
West County	1	Mitsubishi	Generator Minor	(2 - 3 years)	(3 - 4 years)	27,300	3
Riviera	5	Siemens	Hot Gas Path	33,000 hours (4 years)	33,000 hours (4 years)	36,600	4

- Combined cycle units in the tables above have major overhauls (considered as an outage duration of 21 days or greater)

- Excludes upgrades, balance of plant and HRSG inspections

*Total expected service hours (SH) and years by next similar type overhaul are rounded and assume similar avg unit monthly service hour projections as actuals. Values can vary +/-2,400 hours (or 0.25 years)

*Backup for
pg 6 line 23
to pg 7 line
15.*

Backup for
pg. 8 line 2

Scherer 4 O&M Overhaul Cost Estimate Comparison Example

	FPL \$MM	Escalation factor*	\$MM
2014	8.37	1.057680	8.85
2015	0.00	1.056624	0.00
2016 Proj.	9.12	1.041624	9.50
2017 Proj.	0.00	1.020600	0.00
4 year total Escalated*			<u>18.35</u>
4 year Avg Escalated*			4.59
2018 FPL Proj.**			9.84
Deficit between FPL budget and witness Smith escalated avg.			5.25 = >\$5MM

*Reflecting OPC witness Smith's Exhibit RCS-3, page 9 of 20 escalation factors

**Reflecting FPL's budget