

John T. Butler Assistant General Counsel - Regulatory Florida Power & Light Company 700 Universe Boulevard Juno Beach, FL 33408-0420 (561) 304-5639 (561) 691-7135 (Facsimile) John.butler@fpl.com

May 3, 2016

- VIA HAND or OVERNIGHT DELIVERY-

Ms. Carlotta S. Stauffer Commission Clerk Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850

Re: Docket No. 160062-EI

Dear Ms Stauffer

Enclosed for filing on behalf of Florida Power & Light Company ("FPL") is its corrected 2016 Dismantlement Study, which is Exhibit KF-4 to the testimony of FPL witness Keith Ferguson in Docket No. 160021-EI.

The enclosed corrected study replaces the 2016 Dismantlement Study that was originally filed in this docket on March 15, 2016. It reflects the following adjustments to the original filing, which are described in the Notice of Identified Adjustments filed in Docket No. 160021-EI on this date:

- 1. The useful life of the Okeechobee plant was incorrectly stated in the original study as 52 years but should be 40 years;
- 2. The timing of FPL's forecasted dismantlement costs for Turkey Point and for its fleet of aging gas turbines should be aligned with the study assumptions; and
- 3. The original study contained formula errors that need to be corrected.

The cumulative impact of making these adjustments is to reduce FPL's annual base recoverable dismantlement expense by approximately \$1.4 million (total system) in both 2017 and 2018.

If you should have any questions, please do not hesitate to contact me.

Sincerely,

/s/ John T. Butler
John T. Butler

Enclosure

cc: Parties of record in Docket Nos. 160021-EI and 160062-EI

CERTIFICATE OF SERVICE

160021-EI and 160062-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by hand or overnight delivery this 3rd day of May, 2016, to the following parties:

Martha Barrera
Suzanne Brownless
Commission Clerk
Florida Public Service Commission
Betty Easley Conference Center
2540 Shumard Oak Boulevard, Room 110
Tallahassee, FL 32399-1400
mbarrera@psc.state.fl.us
sbrownle@psc.state.fl.us
Office of the General Counsel
Florida Public Service Commission

Jon C. Moyle, Jr. Karen A. Putnal Moyle Law Firm, PA 118 North Gadsden Street Tallahassee FL32301 jmoyle@moylelaw.com kputnal@moylelaw.com

Attorneys for Florida Industrial Power Users Group

Federal Executive Agencies
Thomas A. Jernigan
AFCEC/JA-ULFSC
139 Barnes Drive, Suite 1
Tyndall Air Force Base, FL 32403
Thomas.Jernigan.3@us.af.mil
Attorney for the Federal Executive
Agencies

J. R. Kelly, Public Counsel Patricia A. Christensen, Lead Counsel Charles J. Rehwinkel Erik Sayler Tricia Merchant Stephanie Morse Office of Public Counsel c/o The Florida Legislature 111 West Madison Street, Room 812 Tallahassee, FL 32399-1400 Kelly.jr@leg.state.fl.us Christensen.Patty@leg.state.fl.us Rehwinkel.charles@leg.state.fl.us sayler.erik@leg.state.fl.us merchant.tricia@leg.state.fl.us morse.stephanie@leg.state.fl.us **Attorneys for the Citizens of the State of** Florida

Stephanie U. Roberts Spilman Thomas & Battle, PLLC 110 Oakwood Drive, Suite 500 Winston-Salem, North Carolina 27103 sroberts@spilmanlaw.com

Derrick P. Williamson
Spilman Thomas & Battle, PLLC
1100 Bent Creek Boulevard, Suite 101
Mechanicsburg, PA 17050
dwilliamson@spilmanlaw.com
Attorneys for Wal-Mart Stores East, LP and
Sam's East, Inc. (Walmart)

Jack McRay, Advocacy Manager AARP Florida 200 W. College Ave., #304 Tallahassee, FL 32301 imcray@aarp.org

John B. Coffman John B. Coffman, LLC 871 Tuxedo Blvd. St. Louis, MO 63119-2044 john@johncoffman.net **Attorney for AARP**

Robert Scheffel Wright John T. Lavia, III Wright, P.A. 1300 Thomaswood Drive Tallahassee, FL 32308 schef@gbwlegal.com jlavia@gbwlegal.com **Attorneys for the Florida Retail** Kenneth L. Wiseman Mark F. Sundback William M. Rappolt Kevin C. Siqveland Andrews Kurth LLP 1350 I Street NW, Suite 1100 Washington, D.C. 20005 kwiseman@andrewskurth.com msundback@andrewskurth.com wrappolt@andrewskurth.com ksiqveland@andrewskurth.com **Attorneys for South Florida Hospital and Healthcare Association**

Gardner, Bist, Bowden, Bush, Dee, LaVia & Federation

By: <u>s/John T. Butler</u>

John T. Butler Florida Bar No. 283479

Florida Power & Light Company

2016 Dismantlement Study (Corrected)

Babcock Ranch Solar Martin Solar Cape Canaveral Okeechobee

Cedar Bay Port Everglades Citrus Solar Riviera Beach

DeSoto Solar Sanford Ft. Myers Scherer

LauderdaleSpace Coast SolarManateeSt. Johns RiverManatee SolarTurkey PointMartinWest County

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Executive Summary

FLORIDA POWER & LIGHT COMPANY 2016 DISMANTLEMENT STUDY EXECUTIVE SUMMARY

Florida Power & Light Company ("FPL") engaged Burns & McDonnell Engineering Company, Inc. ("BMcD") to perform a site specific fossil plant dismantlement cost study in 2015, which estimated the cost to dismantle FPL's fossil and solar plants to be approximately \$467.2 million in 2015 dollars. BMcD's study included all of FPL's existing plants as well as plants that FPL is projected to place in service through 2020, with the exception of the Cedar Bay cogeneration facility. FPL acquired the Cedar Bay cogeneration facility in September 2015 and engaged NorthStar Demolition and Remediation LP as part of the due diligence in that transaction to provide an estimate to dismantle the facility (which was approximately \$4.5 million). That estimate did not provide a breakdown of the component costs. The total amount of FPL's dismantlement costs, including the Cedar Bay cogeneration facility, escalated through 2016 is \$478.3 million, as follows:

	(in millions) 2016 \$	% of Total
Material & Equipment	\$ 298	62%
Labor	286	60%
Burial	26	5%
Cedar Bay	5	1%
Salvage	(137)	(28)%
Total	\$ 478	100%

FPL's previous dismantlement study was filed in 2009 and was approved by the Florida Public Service Commission ("FPSC") in Order No. PSC-10-0153-FOF-EI (Docket No. 090130-EI). The current dismantlement study reflects the impact of the updated cost estimates, retirement and additions of several units since the last study and the amortization of a portion of the dismantlement reserve as approved by the FPSC as part of FPL's 2012 Rate Settlement in Order No. PSC-13-0023-S-EI (Docket No. 120015-EI). A comparative analysis of significant drivers of the change in the resulting accrual since the previous study is contained in Section 2.

Executive Summary

PLANT RETIREMENTS

FPL has retired and dismantled the following generating units since the 2009 dismantlement study:

	Retirement
Generating Unit	Date
Repowered Units – Partial Dismantlement	
Cape Canaveral Unit 1	2010
Cape Canaveral Unit 2	2010
Pt. Everglades Unit 1	2012
Pt. Everglades Unit 2	2012
Pt. Everglades Unit 3	2013
Pt. Everglades Unit 4	2013
Riviera Unit 3	2011
Riviera Unit 4	2011
Final Retirement – Full Dismantlement	
Cutler Unit 5	2012
Cutler Unit 6	2012
Putnam Unit 1	2014
Putnam Unit 2	2014
Sanford Unit 3	2012

In addition, FPL plans to retire the following units during 2016 and begin dismantlement in 2017:

	Retirement
Generating Unit	Date
Cedar Bay	2016
Fort Myers Gas Turbines	2016
Lauderdale Gas Turbines	2016
Pt. Everglades Gas Turbines	2016

FPL has also converted Turkey Point Units 1 and 2 from steam generating units to synchronous condensers in 2016 and 2013, respectively. As part of the conversion, FPL has and will incur costs to partially dismantle these units, but ultimate dismantlement is assumed to occur following the retirement of Turkey Point Unit 5 estimated to be in 2047.

Executive Summary

PLANT ADDITIONS

FPL has added or will add by 2020 the following generating units since the 2009 dismantlement study.

Generating Unit	In-Service
Babcock Ranch Solar	2016
Cape Canaveral Clean Energy Center	2012
Cedar Bay (purchase date)	2015
Citrus Solar	2016
Fort Myers Peaking Units	2016
Lauderdale Peaking Units	2016
Manatee Solar	2016
Okeechobee Clean Energy Center	2019
Pt. Everglades Clean Energy Center	2016
Riviera Clean Energy Center	2014

DISMANTLEMENT RESERVE AMORTIZATION

As part of the 2012 Rate Settlement approved by the FPSC in Order No. PSC-13-0023-S-EI (Docket No. 120015-EI), FPL was authorized to amortize up to \$176 million of the dismantlement reserve, subject to certain conditions. This amount was reduced to \$146 million as part of the Cedar Bay settlement approved by the FPSC in Order No. PSC-15-0401-AS-EI (Docket No. 150075-EI). The utilization of the entire \$146 million of dismantlement reserve amortization has been reflected in the current dismantlement study.

RETIREMENT DATES

The estimated retirements dates contained in the current dismantlement study are based on the retirement dates estimated in the 2016 depreciation study prepared by Gannett Fleming, which has also been filed in this docket.

ESCALATION RATES

The future cost of dismantlement is forecast by analyzing the individual cost categories from BMcD's cost study as described above. The 2015 cost of each category is divided into components of labor, material and equipment, disposal and salvage. These components are escalated by the estimated inflationary rates for compensation per hour, Producer Price Index (Intermediate Material), Gross Domestic Product (Implicit Price Deflator) and Metal and Metal Products. Section 5 contains a schedule of the applicable escalation rates for each category. FPL used the same data vendor, Global Insight, to obtain the inflation forecast as was used in the previous study. Global Insight, a division of IHS Inc., is an economics organization and considered a leading provider of economic data and analytics, and serves over 3,800 clients in industry, finance and

Executive Summary

government, employing more than 600 staff in 23 offices in 13 countries.

The cost estimate obtained by applying Global Insight rates yields the future cost of dismantlement using currently available technologies and procedures, as shown in Section 4. The methodology used to determine the escalation rate for converting the current estimated dismantlement cost to future estimated dismantlement cost is consistent with the guidance set out in FPSC Rule 25-6.04364 and that used in the preparation of the prior dismantlement.

CONTINGENCY ALLOWANCE

The overall contingency allowance of 16% used by the Company in its prior study and approved in Order No. PSC-10-0153-FOF-EI (Docket 090130-EI) was increased by BMcD to 20% in the 2016 study, which is consistent with BMcD's experience with actual costs relative to estimated costs.

CONCLUSION

The annual dismantlement accrual for FPL is \$26.2 million, based on total dismantlement cost in 2016 dollars of \$478.3 million. FPL requests that the annual accrual be effective January 1, 2017. Section 6 of this report provides the calculation of the annual accrual.

Section 2 *Drivers of Change in Dismantlement Accrual*

	<u>20</u>	09 Study		Plant			Reserve	Upe	dated Costs and	_	2016 Study	
	Annu	al Accrual 1	Re	tirements/Adj 1	New Plants	Am	ortization ²	Esc	calation Rates 3	An	nual Accrual	dif
Clause	\$	453,816	\$	-	\$ -	\$	-	\$	339,786	\$	793,602	\$ 339,786
Steam		9,711,696		(3,258,085)	1,130,063		2,736,264		2,384,534		12,704,472	2,992,776
Other		8,302,875		(769,136)	3,932,512		1,630,900		(414,006)		12,683,144	4,380,269
	\$	18,468,387	\$	(4,027,222)	\$ 5,062,574	\$	4,367,164	\$	2,310,315	\$	26,181,218	\$ 7,712,832

Notes:

¹ Includes St. Lucie Wind which was not constructed

² Reflects amortization of \$146 million of dismantlement reserve enabled by Order No. PSC-13-0023-S-EI (Docket No. 120015-EI).

 $^{^3}$ Includes \$52 million reallocation of theoretical dismantlement reserve surplus

Section 3 *Comparison of Current Accruals and Proposed Accruals*

Babcock Ranch Solar ¹ Cape Canaveral ² Cedar Bay ¹ Citrus Solar ¹ Cutler ² Desoto Solar Ft. Myers Lauderdale Manatee Manatee Solar ¹ Martin Martin Solar Okeechobee ¹ Port Everglades ² Putnam ² Riviera ²	\$ 0 252,203 0 0 333,801 72,712 1,317,305 1,251,191 2,559,415 0 2,533,098 346,160 0 2,802,360	\$ 380,369 826,866 1,130,063 380,369 0 146,241 1,488,098 2,261,757 3,125,649 380,369 3,614,148 594,662 312,960 1,058,639	\$ 380,369 574,662 1,130,063 380,369 (333,801 73,529 170,792 1,010,560 566,233 380,369 1,081,050 248,502 312,960
Cedar Bay ¹ Citrus Solar ¹ Cutler ² Desoto Solar Ft. Myers Lauderdale Manatee Manatee Solar ¹ Martin Martin Solar Okeechobee ¹ Port Everglades ² Putnam ²	0 333,801 72,712 1,317,305 1,251,191 2,559,415 0 2,533,098 346,160 0	1,130,063 380,369 0 146,241 1,488,098 2,261,757 3,125,649 380,369 3,614,148 594,662 312,960	1,130,065 380,369 (333,80) 73,529 170,792 1,010,566 566,233 380,369 1,081,050 248,502
Citrus Solar Cutler² Desoto Solar Ft. Myers Lauderdale Manatee Manatee Solar¹ Martin Martin Solar Okeechobee¹ Port Everglades² Putnam²	0 333,801 72,712 1,317,305 1,251,191 2,559,415 0 2,533,098 346,160 0	380,369 0 146,241 1,488,098 2,261,757 3,125,649 380,369 3,614,148 594,662 312,960	380,369 (333,80) 73,529 170,792 1,010,566 566,233 380,369 1,081,050 248,502 312,960
Cutler ² Desoto Solar Ft. Myers Lauderdale Manatee Manatee Solar ¹ Martin Martin Solar Okeechobee ¹ Port Everglades ² Putnam ²	333,801 72,712 1,317,305 1,251,191 2,559,415 0 2,533,098 346,160 0	0 146,241 1,488,098 2,261,757 3,125,649 380,369 3,614,148 594,662 312,960	(333,80) 73,529 170,792 1,010,566 566,239 380,369 1,081,050 248,500 312,960
Desoto Solar Ft. Myers Lauderdale Manatee Manatee Solar Martin Martin Martin Solar Okeechobee Port Everglades Putnam Putnam	72,712 1,317,305 1,251,191 2,559,415 0 2,533,098 346,160 0	146,241 1,488,098 2,261,757 3,125,649 380,369 3,614,148 594,662 312,960	73,529 170,792 1,010,566 566,233 380,369 1,081,050 248,502
Ft. Myers Lauderdale Manatee Manatee Solar ¹ Martin Martin Solar Okeechobee ¹ Port Everglades ² Putnam ²	1,317,305 1,251,191 2,559,415 0 2,533,098 346,160	1,488,098 2,261,757 3,125,649 380,369 3,614,148 594,662 312,960	170,792 1,010,566 566,233 380,369 1,081,056 248,503 312,966
Lauderdale Manatee Manatee Solar ¹ Martin Martin Solar Okeechobee ¹ Port Everglades ² Putnam ²	1,251,191 2,559,415 0 2,533,098 346,160	2,261,757 3,125,649 380,369 3,614,148 594,662 312,960	1,010,566,233 380,366 1,081,050 248,500 312,966
Manatee Manatee Solar ¹ Martin Martin Solar Okeechobee ¹ Port Everglades ² Putnam ²	2,559,415 0 2,533,098 346,160 0	3,125,649 380,369 3,614,148 594,662 312,960	566,23. 380,36 1,081,050 248,50: 312,960
Manatee Solar ¹ Martin Martin Solar Okeechobee ¹ Port Everglades ² Putnam ²	0 2,533,098 346,160 0	380,369 3,614,148 594,662 312,960	380,36 1,081,05 248,50 312,96
Martin Solar Okeechobee ¹ Port Everglades ² Putnam ²	2,533,098 346,160 0	3,614,148 594,662 312,960	1,081,05 248,50 312,96
Martin Solar Okeechobee ¹ Port Everglades ² Putnam ²	346,160	594,662 312,960	248,500 312,960
Okeechobee ¹ Port Everglades ² Putnam ²	0	312,960	312,96
Port Everglades ² Putnam ²			
Putnam ²	2,802,360	1.058.639	(1.743.72
		-,,	() /-
Riviera ²	405,297	0	(405,29
	89,182	695,313	606,13
Sanford ²	1,493,396	1,020,440	(472,95
Scherer	1,634,157	2,317,556	683,39
Space Coast Solar	34,944	52,699	17,75
St. Johns River	869,586	958,937	89,35
St. Lucie Wind ³	30,038	0	(30,03
Turkey Point ²	1,111,193	3,258,891	2,147,69
West County	1,332,348	2,177,193	844,84
Total	\$ 18,468,387	\$ 26,181,218	\$ 7,712,83

Notes

¹ Added since 2009 Dismantlement Study

² Plant was partially dismantled or fully dismantled since 2009 Dismantlement Study as a result of a repowering, final retirement of a unit or conversion to synchronous condenser (Turkey Point)

³ Plant was not constructed

⁴ After-tax amount is \$4,528,894. This corrected amount is different than the after-tax amount of \$5,419,038 reflected as a Per Book Company Adjustment on MFR C-3 for both the 2017 Test Year and 2018 Subsequent Year.

Section 4 *Calculation of Current and Future Jurisdictional Dismantlement Costs*

2017 Jurisdictional Factor:	95.05950%		Inried	ictional
Site/Unit	Dismantlement Cost in	Dismantlement Cost in	Dismantlement Cost in	Dismantlement Cost in
Babcock Ranch Solar	2016 Dollars \$ 6,601,101	Future Dollars \$ 17,928,699	2016 Dollars \$ 6,274,973	Future Dollars \$ 17,042,932
	5 0,001,101	\$ 17,928,099	3 0,274,973	3 17,042,932
Cape Canaveral Common	8,745,382	28,861,856	0 212 216	27,435,936
Unit 1	7,122,444	28,452,355	8,313,316 6,770,560	27,046,667
C.I. B	4 520 250	4.520.250	4.204.027	1 20 5 027
Cedar Bay	4,520,250	4,520,250	4,296,927	4,296,927
Citrus Solar	6,601,101	17,928,699	6,274,973	17,042,932
DeSoto Solar	2,338,490	5,108,176	2,222,957	4,855,807
Ft. Myers				
Common	19,702,679	48,380,642	18,729,268	45,990,396
Unit 2	9,039,546	26,346,751	8,592,947	25,045,089
Unit 3 Unit 4 (Combustion Turbine Peakers)	1,568,707 1,727,318	4,498,227 7,691,861	1,491,205 1,641,980	4,275,992 7,311,844
Gas Turbines	297,386	1,522,405	282,694	1,447,191
Lauderdale				
Common	19,099,027	34,238,552	18,155,439	32,546,996
Unit 4	4,346,178	8,578,351	4,131,455	8,154,538
Unit 5	4,340,750	8,569,391 18,894,765	4,126,295	8,146,021
Unit 6 (Combustion Turbine Peakers) Gas Turbines	4,226,112 281,335	1,458,950	4,017,320 267,435	17,961,269 1,386,871
Manatee Common	31,234,151	50,931,140	29,691,028	48,414,887
Unit 1	10,574,637	18,040,007	10,052,197	17,148,740
Unit 2	10,574,637	18,040,007	10,052,197	17,148,740
Unit 3	6,732,122	20,971,186	6,399,522	19,935,105
Manatee Solar	6,601,101	17,928,699	6,274,973	17,042,932
Martin				
Common	46,459,059	80,096,302	44,163,749	76,139,144
Unit 1	10,112,774	19,210,487	9,613,152	18,261,393
Unit 2 Unit 3	10,112,774	19,210,487	9,613,152	18,261,393
Unit 4	2,857,402 2,864,092	6,218,011 6,200,760	2,716,232 2,722,592	5,910,810 5,894,411
Unit 8	6,668,321	20,995,725	6,338,872	19,958,432
Martin Solar	10,856,697	28,672,889	10,320,322	27,256,305
Okeechobee				
Common Unit 1	5,726,113 6,641,891	25,084,242 34,869,012	5,443,214 6,313,748	23,844,955 33,146,309
	-,-	,,,,,,	.,	
Port Everglades Common	6,426,572	25,097,705	6,109,067	23,857,753
Unit 5	6,079,219	28,862,811	5,778,875	27,436,844
Gas Turbines	1,935,975	2,069,493	1,840,328	1,967,250
Riviera Beach				
Common Unit 5	6,452,457 7,051,684	21,761,919 29,015,737	6,133,673 6,703,296	20,686,772 27,582,214
Olit 5	7,031,084	29,013,737	0,703,290	27,362,214
<u>Sanford</u> Common	10,290,606	24,963,942	9,782,199	23,730,599
Unit 4	6,424,194	18,370,483	6,106,806	17,462,889
Unit 5	6,397,182	17,670,475	6,081,129	16,797,465
Scherer				
Common	33,972,828	80,197,672	32,294,400	76,235,506
Unit 4 Handling	1,028,362 15,403,424	2,298,020 34,564,384	977,555 14,642,418	2,184,486 32,856,730
Space Coast Solar	886,054	2,003,712	842,278	1,904,718
	000,034	2,003,712	072,270	1,704,710
St. Johns River Common	14,532,336	33,148,871	12 014 266	31,511,151
Unit 1	3,258,795	7,356,102	13,814,366 3,097,794	6,992,674
Unit 2	3,258,795	7,356,102	3,097,794	6,992,674
Handling	1,137,429	2,406,861	1,081,235	2,287,950
Turkey Point				
Common Unit 1	14,068,274	38,409,418	13,373,231	36,511,800
Unit 1 Unit 2	13,564,981 7,384,545	41,798,519 24,170,409	12,894,803 7,019,711	39,733,463 22,976,270
Unit 5	10,235,882	34,458,323	9,730,179	32,755,910
West County				
Common	20,101,515	59,631,111	19,108,400	56,685,036
Unit 1 Unit 2	6,576,917	23,791,257	6,251,984	22,615,850
Unit 3	6,603,614 6,631,175	23,882,502 25,774,470	6,277,362 6,303,562	22,702,587 24,501,083
Totals	\$ 478,276,387	\$ 1,238,509,183	\$ 454,647,143	\$ 1,177,320,637
rouns	Ψ 4/0,2/0,38/	Ψ 1,430,307,103	ψ 434,047,143	Ψ 1,177,340,037

Section 4Calculation of Current and Future Jurisdictional Dismantlement Costs

	95.12840%	•	Jurisd	ictional
Site/Unit	Dismantlement Cost in 2016 Dollars	Dismantlement Cost in Future Dollars	Dismantlement Cost in 2016 Dollars	Dismantlement Cost in Future Dollars
Babcock Ranch Solar	\$ 6,601,101	\$ 17,928,699	\$ 6,279,521	\$ 17,055,285
Cape Canaveral				
Cape Canaverai Common	8,745,382	28,861,856	8,319,342	27,455,822
Unit 1	7,122,444	28,452,355	6,775,467	27,066,271
Cedar Bay	4,520,250	4,520,250	4,300,042	4,300,042
Citrus Solar	6,601,101	17,928,699	6,279,521	17,055,285
DeSoto Solar	2,338,490	5,108,176	2,224,568	4,859,326
Ft. Myers				
Common	19,702,679	48,380,642	18,742,843	46,023,731
Unit 2	9,039,546	26,346,751	8,599,175	25,063,242
Unit 3 Unit 4 (Combustion Turbine Peakers)	1,568,707 1,727,318	4,498,227 7,691,861	1,492,286 1,643,170	4,279,091 7,317,144
Gas Turbines	297,386	1,522,405	282,899	1,448,240
Lauderdale				
Common	19,099,027	34,238,552	18,168,598	32,570,586
Unit 4	4,346,178	8,578,351	4,134,449	8,160,448
Unit 5	4,340,750	8,569,391	4,129,286	8,151,925
Unit 6 (Combustion Turbine Peakers) Gas Turbines	4,226,112 281,335	18,894,765 1,458,950	4,020,232 267,629	17,974,288 1,387,876
		-,,,,,,,	,//2/	-,,070
Manatee Common	31,234,151	50,931,140	29,712,549	48,449,979
Unit 1	10,574,637	18,040,007	10,059,483	17,161,170
Unit 2	10,574,637	18,040,007	10,059,483	17,161,170
Unit 3	6,732,122	20,971,186	6,404,160	19,949,554
Manatee Solar	6,601,101	17,928,699	6,279,521	17,055,285
<u>Martin</u>				
Common	46,459,059	80,096,302	44,195,760	76,194,330
Unit 1	10,112,774	19,210,487	9,620,120	18,274,629
Unit 2	10,112,774	19,210,487	9,620,120	18,274,629
Unit 3 Unit 4	2,857,402 2,864,092	6,218,011 6,200,760	2,718,201 2,724,565	5,915,094 5,898,684
Unit 8	6,668,321	20,995,725	6,343,467	19,972,898
Martin Solar	10,856,697	28,672,889	10,327,802	27,276,060
Okeechobee				
Common Unit 1	5,726,113 6,641,891	25,084,242 34,869,012	5,447,159 6,318,325	23,862,238 33,170,333
Port Everglades Common	6,426,572	25,097,705	6,113,495	23,875,045
Unit 5	6,079,219	28,862,811	5,783,064	27,456,730
Gas Turbines	1,935,975	2,069,493	1,841,662	1,968,676
Riviera Beach				
Common Unit 5	6,452,457	21,761,919	6,138,119	20,701,766 27,602,206
Jiil 5	7,051,684	29,015,737	6,708,154	27,002,200
Sanford	10 200 404	24.052.042	0.700.200	22 747 700
Common Unit 4	10,290,606 6,424,194	24,963,942 18,370,483	9,789,289 6,111,233	23,747,799 17,475,546
Unit 5	6,397,182	17,670,475	6,085,537	16,809,640
Scherer				
Common	33,972,828	80,197,672	32,317,807	76,290,762
Unit 4	1,028,362	2,298,020	978,264	2,186,070
Handling	15,403,424	34,564,384	14,653,031	32,880,545
Space Coast Solar	886,054	2,003,712	842,889	1,906,099
St. Johns River	14 522 226	33,148,871	12 924 270	21 522 001
Common Unit 1	14,532,336 3,258,795	7,356,102	13,824,379 3,100,039	31,533,991 6,997,742
Unit 2	3,258,795	7,356,102	3,100,039	6,997,742
Handling	1,137,429	2,406,861	1,082,018	2,289,609
Turkey Point				
Common Unit 1	14,068,274	38,409,418	13,382,924	36,538,265 39,762,263
Unit 1 Unit 2	13,564,981 7,384,545	41,798,519 24,170,409	12,904,150 7,024,799	39,762,262 22,992,923
Unit 5	10,235,882	34,458,323	9,737,231	32,779,652
West County				
	20.404.545	59,631,111	19,122,250	56,726,122
Common	20,101,515			
Common Unit 1	6,576,917	23,791,257	6,256,516	22,632,242
Common				22,632,242 22,719,042 24,518,841

Section 5 *Escalation Rates Used to Calculate Future Dismantlement Costs*

INFLATION FORECAST

The U.S. Economy
GLOBAL INSIGHT
30 Year Outlook (May 2015)

				(Intermediate Materials)		ator (Implicit)		ETAL PRODUCTS
	ANNUAL	COMPOUNDED	ANNUAL	COMPOUNDED	ANNUAL	COMPOUNDED	ANNUAL	COMPOUNDED
	RATE OF	MULTIPLIER	RATE OF	MULTIPLIER	RATE OF	MULTIPLIER	RATE OF	MULTIPLIER
YEAR	CHANGE	FROM 2015	CHANGE	FROM 2015	CHANGE	FROM 2015	CHANGE	FROM 2015
2015 2016	2.7%	1.000 1.035	-7.3% 0.9%	1.000 1.009	1.1%	1.000 1.020	-5.0% -0.6%	1.000 0.994
2016	3.5% 3.7%	1.073	2.6%	1.036	2.0%	1.040	1.8%	1.013
2017	3.9%	1.115	2.4%	1.061	1.9%	1.060	2.8%	1.013
2019	3.9%	1.158	2.0%	1.082	2.0%	1.081	1.7%	1.058
2020	3.9%	1.203	0.5%	1.088	1.9%	1.101	1.4%	1.073
2021	3.9%	1.249	1.1%	1.100	2.0%	1.124	1.4%	1.088
2022	3.9%	1.298	1.9%	1.121	2.1%	1.147	1.4%	1.103
2023	3.9%	1.349	2.0%	1.143	2.2%	1.172	1.4%	1.119
2024	4.0%	1.402	1.4%	1.160	2.1%	1.197	1.3%	1.133
2025	4.0%	1.458	0.9%	1.170	2.1%	1.222	1.4%	1.148
2026	3.9%	1.515	0.8%	1.179	2.1%	1.247	1.7%	1.168
2027	3.9%	1.573	1.0%	1.191	2.1%	1.273	2.1%	1.192
2028	3.9%	1.634	1.2%	1.205	2.1%	1.299	2.2%	1.218
2029	3.8%	1.697	1.1%	1.218	2.1%	1.327	2.2%	1.245
2030	3.8%	1.763	1.0%	1.230	2.1%	1.355	2.1%	1.272
2031	3.9%	1.831	1.2%	1.244	2.2%	1.385	2.2%	1.300
2032	3.9%	1.902	0.9%	1.256	2.2%	1.416	2.1%	1.327
2033	3.9%	1.975	1.0%	1.269	2.2%	1.447	2.1%	1.354
2034	3.9%	2.052	1.1%	1.283	2.2%	1.480	2.0%	1.382
2035	3.9%	2.131	1.0%	1.296	2.2%	1.513	2.0%	1.409
2036	3.9%	2.214	1.0%	1.309	2.2%	1.546	1.9%	1.437
2037	3.9%	2.300	1.1%	1.323	2.2%	1.580	1.9%	1.465
2038	3.9%	2.390	1.1%	1.338	2.2%	1.616	1.9%	1.493
2039	3.9%	2.482	1.2%	1.354	2.3%	1.653	1.9%	1.522
2040	3.9%	2.579	1.2%	1.370	2.3%	1.690	1.9%	1.550
2041 2042	3.9%	2.680 2.784	1.2%	1.386 1.402	2.3%	1.729 1.769	1.9%	1.580 1.609
2042	3.9% 3.9%	2.893	1.2% 1.2%	1.418	2.3%	1.811	1.9% 1.8%	1.639
2043	3.9%	3.005	1.2%	1.436	2.4%	1.853	1.8%	1.668
2045	3.9%	3.123	1.2%	1.453	2.4%	1.897	1.8%	1.698
2046	3.9%	3.244	1.2%	1.470	2.4%	1.942	1.8%	1.728
2047	3.9%	3.371	1.2%	1.487	2.4%	1.987	1.8%	1.759
2048	3.9%	3.502	1.2%	1.505	2.4%	2.034	1.8%	1.791
2049	3.9%	3.639	1.2%	1.523	2.4%	2.082	1.8%	1.822
2050	3.9%	3.780	1.2%	1.541	2.4%	2.131	1.8%	1.855
2051	3.9%	3.928	1.2%	1.559	2.4%	2.182	1.8%	1.888
2052	3.9%	4.081	1.2%	1.578	2.4%	2.233	1.8%	1.921
2053	3.9%	4.240	1.2%	1.596	2.4%	2.286	1.8%	1.956
2054	3.9%	4.405	1.2%	1.615	2.4%	2.340	1.8%	1.991
2055	3.9%	4.577	1.2%	1.634	2.4%	2.395	1.8%	2.026
2056	3.9%	4.755	1.2%	1.654	2.4%	2.451	1.8%	2.062
2057	3.9%	4.941	1.2%	1.673	2.4%	2.509	1.8%	2.099
2058	3.9%	5.133	1.2%	1.693	2.4%	2.568	1.8%	2.136
2059	3.9%	5.333	1.2%	1.713	2.4%	2.629	1.8%	2.174
2060	3.9%	5.541	1.2%	1.734	2.4%	2.691	1.8%	2.213
2061	3.9%	5.757	1.2%	1.754	2.4%	2.754	1.8%	2.252
2062	3.9%	5.982	1.2%	1.775	2.4%	2.819	1.8%	2.292
2063	3.9%	6.215	1.2%	1.796	2.4%	2.885	1.8%	2.333
2064	3.9%	6.457	1.2%	1.817	2.4%	2.953	1.8%	2.375
2065 2066	3.9% 3.9%	6.709 6.970	1.2% 1.2%	1.839 1.861	2.4% 2.4%	3.023 3.094	1.8% 1.8%	2.417 2.460
2066	3.9%	7.242	1.2%	1.883	2.4%	3.094	1.8%	2.504
2067	3.9%	7.524	1.2%	1.905	2.4%	3.242	1.8%	2.548
2068	3.9%	7.817	1.2%	1.928	2.4%	3.318	1.8%	2.594
2009	3.9%	8.122	1.2%	1.951	2.4%	3.397	1.8%	2.640
2070	3.9%	8.438	1.2%	1.974	2.4%	3.477	1.8%	2.687
2071	3.9%	8.767	1.2%	1.997	2.4%	3.559	1.8%	2.735
2072	3.9%	9.109	1.2%	2.021	2.4%	3.643	1.8%	2.783
2074	3.9%	9.464	1.2%	2.045	2.4%	3.728	1.8%	2.833
2075	3.9%	9.833	1.2%	2.069	2.4%	3.816	1.8%	2.883

198,429 24,194 24,678 9,212 9,211 35,454 75,424 32,188 5,624 7,520 3,253 40,136 13,407 13,392 18,427 3,117 94,172 31,697 76,674 23,845 24,313 35,639 26,522 Monthly Accrual 2,120,092 286,140 291,751 427,667 290,331 290,331 296,137 110,544 110,535 425,448 318,267 377,046 4 Year Average 334,407 2020 nnual Accrua 323,408 384,143 2019 313,686 312,770 2018 ,974,543 264,345 269,528 401,089 302,482 4,520,250 2017 35,943,702 16,890,930 2,923,847 7,691,861 1,522,405 34,238,552 3,431,340 3,427,757 18,894,765 1,458,950 27,704,488 3,816,155 3,890,982 20,971,186 41,308,169 5,273,467 5,378,936 2,642,655 2,635,323 20,995,725 25,097,705 28,862,811 1,654,921 4,520,250 17,928,699 17,928,699 4,599,220 Amount To Accrue 12,436,940 9,455,820 1,574,379 5,147,011 5,141,635 23,226,652 14,223,852 14,149,025 38,788,133 13,937,020 13,831,551 3,575,356 3,565,437 - 414,572 Adj Reserve as of 12/31/2016 508,956 2,105,831 34,238,552 8,578,351 8,569,391 18,894,765 1,458,950 50,931,140 18,040,007 18,040,007 20,971,186 80,096,302 19,210,487 19,210,487 6,218,011 6,200,760 20,995,725 29,015,737 4,520,250 48,380,642 26,346,751 4,498,227 7,691,861 1,522,405 25,097,705 28,862,811 2,069,493 Total Future \$ Cost 56,519,729 13,572,452 13,572,452 4,396,872 4,384,418 14,853,650 34,168,013 18,637,145 3,181,505 5,441,700 1,077,834 24,160,900 6,060,811 6,054,496 13,367,645 1,032,975 17,740,257 20,426,563 1,463,206 15,374,395 2nd Yr Expense (Future \$) 12,665,743 12,665,743 3,607,469 6,387,524 8,490,214 1st Yr Expense (Future \$) 5,262,957 Recovery Period As of 1/1/2017 37 62 22 2 2 2 6 6 39 19 19 4 4 4 7 7 8 4 4 989 /ear Economic Recovery Year 2053 2053 2016 2046 2033 2033 2033 2056 2056 2056 2056 2016 2039 2043 2043 2043 2056 2056 2028 2028 2028 2045 2046 2031 2031 2031 2034 2034 2045 2059 2054 6,452,457 6,601,101 Dismantlement Cost in 2016 Dollars Unit 5 Unit 6 (Combustion Turbine Peakers) Gas Turbines Jnit 4 (Combustion Turbine Peakers) Unit

Section 6
Annual Accrual Calculation

Section 6 Annual Accrual Calculation

	-						DIRECTION	200				T C C C C C C C C C C C C C C C C C C C		
Unit	Dismantlement Cost in 2016 Dollars	Economic Recovery Year	Recovery Period As of 1/1/2017	1st Yr Expense (Future \$)	2nd Yr Expense (Future \$)	Total Future \$ Cost	Adj Reserve as of 12/31/2016	Amount To Accrue	2017	2018	2019	2020 4	4 Year Average Mor	Monthly Accrual
Sanford Common	10,290,606	2043	26	7,335,246	17,628,696	24,963,942	8,737,380	16,226,562	389,795	403,650	417,998	432,856	411,075	34,256
Unit 4	6,424,194	2043	26	5,377,800	12,992,683	18,370,483	3,746,638	14,623,845	317,202	330,778	344,935	359,698	338,153	28,179
Unit 5	6,397,182	2042	25	5,173,325	12,497,151	17,670,475	6,626,428	11,044,047	254,293	265,254	276,687	288,614	271,212	22,601
Scherer														
Common	33,972,828	2039	22	23,527,858	56,669,814	80,197,672	21,556,477	58,641,196	1,693,362	1,762,715	1,834,908	1,910,058	1,800,261	150,022
Unit 4	15,403,424	2039	22	10,147,893	24,416,491	34,564,384	19,090,984	15,473,400	458,138	475,913	494,377	513,558	485,497	40,458
Handling	1,028,362	2039	22	674,769	1,623,251	2,298,020	1,286,891	1,011,129	30,017	31,175	32,377	33,626	31,799	2,650
Space Coast Solar	886,054	2040	23	588,530	1,415,181	2,003,712	235,872	1,767,840	49,833	51,697	53,630	55,636	52,699	4,392
St. Johns River														
Common	14,532,336	2038	21	9,726,004	23,422,867	33,148,871	11,109,095	22,039,776	680,071	708,117	737,320	767,726	723,308	60,276
Unit 1	3,258,795	2038	21	2,158,169	5,197,933	7,356,102	4,327,119	3,028,983	93,690	97,533	101,534	105,699	99,614	8,301
Unit 2	3,258,795	2038	21	2,158,169	5,197,933	7,356,102	4,266,539	3,089,563	95,564	99,484	103,565	107,813	101,607	8,467
Handling	1,137,429	2038	21	707,433	1,699,428	2,406,861	1,395,979	1,010,882	32,537	33,754	35,016	36,325	34,408	2,867
Turkey Point														
Common	14,068,274	2047	30	11,281,647	27,127,771	38,409,418		38,409,418	746,604	772,579	799,458	827,272	786,478	65,540
Unit 1	13,564,981	2047	30	12,249,225	29,549,294	41,798,519		41,798,519	770,814	800,087	830,472	862,010	815,846	186,79
Unit 2	7,384,545	2047	30	7,075,226	17,095,183	24,170,409	(15,923,728)	40,094,137	1,000,799	1,020,012	1,039,594	1,059,551	1,029,989	85,832
Unit 5	10,235,882	2047	30	10,081,384	24,376,939	34,458,323		34,458,323	587,906	612,967	639,097	666,341	626,578	52,215
West County														
Common	20,101,515	2051	34	17,518,230	42,112,881	59,631,111		59,631,111	973,764	1,006,025	1,039,355	1,073,790	1,023,234	85,269
Unit 1	6,576,917	2049	32	6,958,462	16,832,795	23,791,257		23,791,257	363,573	378,974	395,027	411,760	387,333	32,278
Unit 2	6,603,614	2049	32	6,985,176	16,897,326	23,882,502		23,882,502	365,022	380,481	396,595	413,391	388,872	32,406
Unit 3	6,631,175	2051	34	7,537,564	18,236,906	25,774,470		25,774,470	354,762	369,668	385,200	401,385	377,754	31,479
Grand Total	\$ 478,276,387			\$ 361,934,435 \$	872,054,499 \$	1,238,509,183	\$ 228,537,844	\$ 1,009,971,339	\$ 29,101,052 \$	23,833,386 \$	25,391,149 \$	26,399,287 \$	26,181,218 \$	2,181,768

Section 7 *Future Expenditures by Year*

Future Dismantlement Expenditures by Year (Per 2016 Dismantlement Study)

Year	Projected Dismantlement Expenditures
2017	\$ 5,126,537
2018	1,463,206
2033	25,582,399
2034	61,428,755
2036	34,852,642
2037	83,664,634
2038	15,110,087
2039	39,913,688
2040	8,781,290
2043	14,749,774
2044	71,369,388
2045	86,905,556
2046	1,415,181
2047	5,173,325
2048	48,449,154
2049	86,608,041
2050	20,696,868
2051	65,731,803
2052	78,684,710
2053	98,149,187
2054	13,943,638
2055	33,730,121
2056	25,055,795
2057	60,349,787
2058	16,796,545
2059	55,395,405
2060	35,899,918
2061	24,441,522
2062	59,086,975
2064	17,542,224
2065	42,411,030
Grand Total	\$ 1,238,509,183

Dismantlement Cost Analysis Prepared by Burns & McDonnell

Fossil Dismantlement Study



Florida Power & Light Company

Fossil Dismantlement Study Project No. 84400

Final 03/01/2016

Corrected **04/19/2016**

Fossil Dismantlement Study

prepared for

Florida Power & Light Company Fossil Dismantlement Study Miami, Florida

Project No. 84400

Final 03/01/2016

Corrected 04/19/2016

prepared by

Burns & McDonnell Engineering Company, Inc. Kansas City, Missouri

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March 1, 2016

Jon-Paul Zabala Asset Recovery & Analysis Florida Power & Light Company 700 Universe Boulevard, Juno Beach, FL 33408

Re: FPL Decommissioning Cost Study

Dear Mr. Zabala,

Burns & McDonnell is pleased to present its report to Florida Power & Light Company (FPL) on the Decommissioning Cost Study (Study) for power generation assets in Florida and Georgia, excluding nuclear.

The objective of the Study was to review the facilities and to make a recommendation to FPL regarding the total cost in 2015 dollars to decommission the facilities at the end of their useful lives. The preparation of the cost estimates included in the Study were performed in accordance with Rule 25-6.04364, Electric Utilities Dismantlement Studies, Florida Administrative Code.

Burns & McDonnell appreciates the opportunity to provide our professional consulting services to FPL. Please feel free to contact me at any time to discuss questions that may arise during your review of the Study. You may reach me by phone at (816) 822- 4239 or via email at jkopp@burnsmcd.com. We look forward to working with you again on any future projects.

Respectfully Submitted, BURNS & MCDONNELL

Jeff Kopp, PE Project Manager

JTK/kps

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LIST OF ABBREVIATIONS

Abbreviation Term/Phrase/Name

Babcock Ranch Solar Babcock Ranch Solar Energy Center

BMcD Burns & McDonnell

C&D Construction & Demolition

Citrus Solar Energy Center

Desoto Solar DeSoto Next Generation Solar Energy Center

FPL Florida Power & Light Company

GE General Electric

HRSG Heat recovery steam generator

kV kilovolt

Manatee Solar Energy Center

MW Megawatt

NO_x Mono-nitrogen oxides

OCEC Okeechobee Clean Energy Center

PCB Polychlorinated Biphenyl

Plants Fleet of gas, fuel oil, solar, and coal-fired generation facilities reviewed

in this Study.

SCR Selective catalytic reduction

Space Coast Next Generation Solar Energy Center

Study Fossil Dismantlement Study

1.0 EXECUTIVE SUMMARY

1.1 Introduction

Burns & McDonnell ("BMcD") was retained by Florida Power & Light ("FPL") to conduct a Decommissioning Cost Study ("Study") for power generation assets ("Plants") in Florida and Georgia, excluding nuclear units. The assets include natural gas, fuel oil, solar, and coal-fired generating facilities. Individuals from BMcD visited each of the existing Plants covered by the Study in May of 2015, along with a representative from Brandenburg, a demolition contractor who served as a sub-consultant to BMcD on the Study. The purpose of the Study was to review the facilities and to make a recommendation to FPL regarding the total cost in 2015 dollars to decommission the facilities at the end of their useful lives. The preparation of the cost estimates included in the Study were performed in accordance with Rule 25-6.04364, Electric Utilities Dismantlement Studies, Florida Administrative Code.

The decommissioning costs were developed using the information provided by FPL, in-house data available to BMcD, and information supplied by Brandenburg. Quantity take-offs were performed for major plant facilities and equipment based on observations from the site visits and review of drawings provided for each Plant. Decommissioning activities were determined and labor hours were estimated to complete each decommissioning activity. Current market pricing for labor rates and unit pricing were then developed for each task, and these rates were applied to the estimated quantities for the Plants to determine the total cost of decommissioning.

1.2 Results

When FPL determines that the Plants should be retired, the above grade equipment and steel structures are assumed to have sufficient scrap value to a salvage contractor to offset a portion of the decommissioning costs. FPL will incur costs in the demolition and restoration of the sites less the salvage value of equipment and bulk steel. BMcD has prepared estimates in current year dollars (2015\$) for the decommissioning of the Plants, as summarized in Table 1-1. Further breakdowns of these costs are presented in Table A-1 through Table A-18 in Appendix A. BMcD has also prepared annual costs for groundwater monitoring associated with closed ash ponds and/or landfills, as presented in Table 1-2. Note that the regulatory requirement for groundwater monitoring extends over a 30 year period following the closure.

Table 1-1: Decommissioning Cost Summary (2015\$)1

	Decommissioning		
Plant	Costs	Credits	Net Project Cost
Cape Canaveral	\$20,031,993	(\$4,616,199)	\$15,415,794
DeSoto Solar	\$3,009,309	(\$735,431)	\$2,273,878
Ft. Myers	\$41,516,932	(\$10,119,993)	\$31,396,939
Lauderdale	\$39,299,982	(\$7,864,398)	\$31,435,584
Manatee	\$73,789,541	(\$16,363,554)	\$57,425,987
Martin	\$113,594,115	(\$26,204,511)	\$87,389,603
Port Everglades	\$21,261,928	(\$7,317,093)	\$13,944,835
Riviera	\$17,500,262	(\$4,387,026)	\$13,113,236
St. Johns River ²	\$119,600,000	(\$11,470,000)	\$108,130,000
Sanford	\$31,444,119	(\$9,043,912)	\$22,400,207
Scherer ^{2,3}	\$205,554,000	(\$9,629,000)	\$195,925,000
Space Coast Solar	\$1,150,000	(\$289,000)	\$861,000
Turkey Point	\$64,616,729	(\$13,677,173)	\$50,939,556
West County	\$54,842,211	(\$16,156,521)	\$38,685,690
Babcock Ranch Solar ⁴	\$8,569,000	(\$2,152,000)	\$6,417,000
Citrus Solar ⁴	\$8,569,000	(\$2,152,000)	\$6,417,000
Manatee Solar ⁴	\$8,569,000	(\$2,152,000)	\$6,417,000
Okeechobee ⁴	\$17,515,000	(\$5,560,000)	\$11,955,000

¹ Cost estimates were rounded to the nearest \$1,000 and then site inventory costs and recoverable scrap for inventory was added to the rounded estimate resulting in the values shown.

Table 1-2: Annual Groundwater Monitoring Costs (2015\$)

Plant	Annual Cost	
St. Johns River	\$175,000	
Scherer	\$1,175,300	

Monitoring installation costs included in decommissioning costs.

The total project costs presented above include the costs to return the sites to an industrial condition suitable for reuse for development of an industrial facility. Included are the costs to dismantle the power generating equipment owned by FPL as well as the costs to dismantle the FPL-owned balance of plant facilities and environmental site restoration activities.

² Costs for Scherer and St. Johns River have not been adjusted for FPL's ownership percentage.

³ Scherer estimate includes only Unit 4 and all common facilities.

⁴ Proposed facility.

1.3 Statement of Limitations

In preparation of this decommissioning study, BMcD has relied upon information provided by FPL. BMcD acknowledges that it has requested the information from FPL that it deemed necessary to complete this study. While we have no reason to believe that the information provided to us, and upon which we have relied, is inaccurate or incomplete in any material respect, we have not independently verified such information and cannot guarantee its accuracy or completeness.

Engineer's estimates and projections of decommissioning costs are based on Engineer's experience, qualifications and judgment. Since Engineer has no control over weather, cost and availability of labor, material and equipment, labor productivity, construction contractors' procedures and methods, and other factors, Engineer does not guarantee the accuracy of its estimates and projections.

Engineer's estimates do not include allowances for unforeseen environmental liabilities associated with unexpected environmental contamination due to events not considered part of normal operations, such as fuel tank ruptures, oil spills, etc. Estimates also do not include allowances for environmental remediation associated with changes in classification of hazardous materials.

2.0 INTRODUCTION

2.1 Background

Burns & McDonnell ("BMcD") was retained by Florida Power & Light ("FPL") to conduct a Decommissioning Cost Study ("Study") for power generation assets ("Plants") in Florida and Georgia, excluding nuclear units. The assets include natural gas, fuel oil, solar, and coal-fired generating facilities. Individuals from BMcD visited each of the existing Plants covered by the Study in May of 2015, along with a representative from Brandenburg, a demolition contractor who served as a sub-consultant to BMcD on the Study. The purpose of the Study was to review the facilities and to make a recommendation to FPL regarding the total cost in 2015 dollars to decommission the facilities at the end of their useful lives.

2.2 Study Methodology

The site decommissioning costs were developed using information provided by FPL, information developed by Brandenburg, and in-house data BMcD has collected from previous project experience. BMcD estimated quantities for equipment based on a visual inspection of the facilities, review of engineering drawings, BMcD's in house database of plant equipment quantities, and BMcD's professional judgment. This resulted in an estimate of quantities for the tasks required to be performed for each decommissioning effort. Current market pricing for labor rates, equipment, scrap materials, and unit pricing were then developed for each task. These pricing inputs were developed for each site based on costs specific to the area in which the work is to be performed. These rates were applied to the quantities for the Plants to determine the total cost of decommissioning for each site.

The decommissioning costs include the cost to return the site to an industrial condition, suitable for reuse for development of an industrial facility. Included are the costs to decommission all of the assets owned by FPL at the site, including power generating equipment and balance of plant facilities along with environmental site restoration activities.

2.3 Site Visits

Representatives from BMcD and Brandenburg visited the sites. The site visits consisted of a tour of each facility with plant personnel to review the equipment installed at each site.

Mr. Jon-Paul Zabala, served as the FPL representative throughout the site visits, along with plant personnel at each of the sites.

The following BMcD and Brandenburg representatives comprised the site visit team:

- Mr. Jeff Kopp, BMcD, Project Manager
- Mr. Kory Sandven, BMcD, Project Engineer
- Mr. Parker Hills, BMcD, Project Engineer
- Mr. Andy Debrowski, Brandenburg, Demolition Contractor Representative

The site visits were performed on the following dates.

Table 2-1: Site Visit Dates

Plant	Site Visit Date
Martin	14-May-15
DeSoto Solar	20-May-15
Ft. Myers	20-May-15
Riviera Beach	21-May-15
West County	21-May-15
Scherer	26-May-15
St. Johns River	27-May-15
Cape Canaveral	27-May-15
Sanford	28-May-15
Manatee	28-May-15
Turkey Point	29-May-15
Lauderdale	29-May-15
Port Everglades	29-May-15



Figure 2-1: FPL Facilities Visited

3.0 EXISTING PLANT DESCRIPTIONS

The fiollowing are plant descriptions for each of the existing power plants included in this Study.

3.1 Cape Canaveral

The Cape Canaveral plant is located in Cape Canaveral, Florida. Originally, the facility consisted of two (2) natural gas fired boilers, however, those units were fully demolished and removed from the site and replaced with a single 3-on-1 combined cycle unit (Unit 1). Unit 1 consists of three Siemens 8000H combustion turbines, three heat recovery steam generators ("HRSGs"), and one steam turbine. The total capacity is 1,210 megawatts ("MW") at the summer peak rating. Additionally, this unit includes a selective catalytic reduction ("SCR") for reducing mono-nitrogen oxides ("NO_x") emissions. The facility also includes a man-made cooling water intake and discharge canal which has a manatee heating station.

3.2 DeSoto Next Generation Solar Energy Center

The DeSoto Next Generation Solar Energy Center ("Desoto Solar") is a photovoltaic solar power facility located approximately 30 miles northeast of Port Charlotte, in Arcadia, Florida. The facility currently includes approximately 90,504 single axis tracking SunPower solar panels with a total plant capacity of 25 MW at the summer peak rating.

3.3 Fort Myers

The Fort Myers plant is located along the Caloosahatchee River approximately 7 miles northeast of downtown Fort Myers, Florida. The facility includes a single 6-on-2 combined cycle unit (Unit 2) which incorporates six General Electric ("GE") 7FA combustion turbines, six Foster Wheeler HRSGs, and two steam turbines with a capacity of 1,470 MW at the summer peak rating. The facility also includes 2 simple cycle GE 7FA combustion turbines (Units 3A and 3B) with a combined capacity of 314 MW at the summer peak rating and 12 small simple cycle combustion turbines. By the end of 2016, 10 of the 12 simple-cycle combustion turbines will be retired. Water for the facility's condensing cooling system is provided via Caloosahatchee River with water discharge from the cooling towers to a man-made canal that discharges to the Orange River.

3.4 Lauderdale

The Lauderdale plant is located in Fort Lauderdale, Florida. Originally, the facility included two conventional boiler steam units and associated steam turbines that were repowered in the mid 1990's to combined cycle units (Units 4 and 5). The repowered combined cycle units can each be fired with either natural gas or fuel oil and each include two Westinghouse 501F combustion turbines, two HRSGs, and

one steam turbine. These two combined cycle units have a combined capacity of 884 MW or 442 MW each at the peak summer rating. Unlike many of the other FPL combined cycle units, the combustion turbines and generators are completely enclosed within a building. In addition to the combined cycle units, the facility has 24 simple-cycle combustion turbines. By the end of 2016, 22 of the 24 simple-cycle combustion turbines will be retired. The brackish water used in the facility's condensing cooling system is provided by the Dania Cut-Off Canal and discharged into a man-made canal to the South Fork New River.

3.5 Manatee

The Manatee plant is located within Manatee County, approximately 5 miles east of Parrish, Florida. The facility includes two fuel oil-fired boilers (Unit 1 and Unit 2), rated at approximately 809 MW each at the summer peak rating, and a 4-on-1 combined cycle unit (Unit 3) which includes four GE 7FA combustion turbines, four HRSGs, and one steam turbine with a combined capacity of 1,140 MW at the summer peak rating. In its entirety, the plant is rated to produce over 2,700 MW. The facility also includes a cooling pond to the east of the generation units which encompasses approximately 3,700 acres. Fuel oil is provided to the facility via a fuel oil pipeline that interconnects with offsite fuel oil storage tanks located at the port in Manatee County, approximately 20 miles away.

3.6 Martin

The Martin plant is located within Martin County, along the northeastern side of Lake Okeechobee and approximately 4 miles west of Indiantown, Florida. The facility includes two fuel oil-fired boilers (Unit 1 and Unit 2), with a combined capacity of 1,626 MW at the summer peak rating. The plant also includes two 2-on-1 combined cycle units (Unit 3 and Unit 4) which consist of two GE 7FA combustion turbines, two HRSGs, and one steam turbine with a combined capacity of 469 MW at the summer peak rating for each of these units. The facility also features an integrated solar thermal station which integrates solar thermal energy with Unit 8, a 4-on-1 combined cycle unit. The solar unit is capable of supporting up to 75 MW worth of steam, the equivalent of excess steam produced by duct firing the HRSGs on Unit 8. Although the solar thermal station supports Unit 8, the HRSGs for this unit are capable of providing rated capacity of the steam turbine without the aid of the solar station. In its entirety, the plant is rated to produce over 3,500 MW. The facility also includes a cooling pond to the east of the generation units which encompasses approximately 6,500 acres.

3.7 Port Everglades

The Port Everglades plant is located within the boundaries of the Port Everglades port, in the City of Fort Lauderdale, Florida. Similar to the Cape Canaveral plant, originally the Port Everglades plant consisted

of two (2) natural gas fired boilers, however, those units were fully demolished and removed from the site and replaced with a single 3-on-1 combined cycle unit (Unit 5). Unit 5 consists of three Siemens 8000H combustion turbines, three heat recovery steam generators ("HRSGs"), and one steam turbine. The total capacity is 1,237 MW at the summer peak rating. Additionally, this unit includes an SCR for reducing NO_x emissions. The Port Everglades plant also includes 12 small simple cycle combustion turbines, all of which will be retired by the end of 2016.

3.8 Riviera

The Riviera plant is located on approximately 22 acres of land in Palm Beach County, approximately 10 miles north of the city of West Palm Beach, Florida. Similar to the Cape Canaveral and Port Everglades plants, originally the Riviera plant consisted of two (2) natural gas fired boilers, however, it was recently reconstructed as a single 3-on-1 combined cycle unit (Unit 5). Unit 5 consists of three Siemens 8000H combustion turbines, three HRSGs, and one steam turbine. The total capacity is 1,237 MW at the summer peak rating. Additionally, this unit includes an SCR for reducing NO_x emissions.

3.9 St. Johns River Power Park

The St. Johns River Power Park Plant is located in northeast area of Jacksonville, Florida. This facility is jointly owned between Jacksonville Electric Authority and FPL with ownership percentages of 80 and 20 percent, respectively. The facility includes two coal-fired steam turbine units (Units 1 and 2) with a combined capacity of 1,270 MW at the summer peak rating. The coal handling system for the facility includes a rotary rail car dumper equipped with a static weight scale, a train positioner, a receiving bin, four short belt feeders, a cross conveyor, two elevating conveyors, and two magnetic separators. In addition, the plant includes a coal unloading facility on Blount Island for coal delivered by barge, along with a system of coal conveyers from Blount Island to the plant. For cooling, the facility includes two hyperbolic natural draft cooling towers which are located in the northeast boundary of the site.

3.10 Sanford

The Sanford plant is located on approximately 1,718 acres of land in Volusia County, approximately 2.5 miles south of DeBary, Florida. Originally, the facility included two conventional boiler steam units which were repowered in the mid 1990's to two 4-on-1 combined cycle units (Units 4 and 5). During the retrofit process, the boilers and associated equipment were removed, however, the steam turbines remained and are currently used in combined cycle mode. Each combined cycle unit operates using natural gas as the primary fuel supply and includes four GE 7FA combustion turbines, four HRSGs, and one steam turbine. These two units have a combined capacity of 2,010 MW or 1,005 MW each at the

summer peak rating. Additionally, the site includes a 1,100 acre cooling pond to the north of the generation units which is connected via a 4,500 foot canal.

3.11 Scherer

The Scherer Steam Plant is located approximately 17 miles north of Macon, Georgia and includes four (4) coal-fired steam turbine units. The facility is jointly owned between Georgia Power Corporation, Jacksonville Electric Authority and FPL, with FPL having 76.36 percent ownership Unit 4 only. Unit 4 has a capacity of 990 MW at the summer peak rating and consists of a boiler, steam turbine generator, condenser, electrostatic precipitator, flue gas desulfurization unit, SCR, baghouse, one 530-foot tall natural draft-cooling tower, and a shared stack with Unit 3. Common facilities evaluated as part of this Study consist of the power house, the recycle pond, stormwater ponds, settling ponds, ash pond, ash settling landfill, coal storage yard, and limestone storage area.

3.12 Space Coast Next Generation Solar Energy Center

The Space Coast Next Generation Solar Energy Center ("Space Coast Solar") is a photovoltaic solar power facility located at the Kennedy Space Center in Cape Canaveral, Florida. The facility includes 35,000 single axis tracking SunPower solar panels with a total plant capacity of 10 MW at the summer peak rating. The Space Coast Solar facility uses the same panels as the Desoto Solar Center.

3.13 Turkey Point

The Turkey Point plant is located on the western coast of Biscayne Bay approximately 15 miles south of Miami, Florida. The facility includes two natural gas-fired boiler steam units (Units 1 and 2), two nuclear generating units (Units 3 and 4), and a 4-on-1 combined cycle unit (Unit 5). For the purpose of this study, the nuclear generating units and associated common facility equipment are excluded from the decommissioning estimates. Units 1 and 2 were originally designed with the plan for future conversion to burn coal, however, this conversion was never made. Unit 2 has been converted to a synchronous condenser and Unit 1 will be converted to a synchronous condenser in 2016. Unit 5 is a combined cycle unit which includes four 170-MW GE "F" Class combustion turbines with dry low NO_x combustors, four HRSGs, and one steam turbine with a combined capacity of 1,187 MW at the summer peak rating. The facility's condensing cooling system includes intake from the Biscayne Bay and discharges to a manmade series of canals that are associated with the nuclear unit. For purposes of this Study, the canal system was excluded from the decommissioning estimates, since it is a nuclear generation asset.

3.14 West County

The West County Energy Center is located approximately 15 miles west of West Palm Beach, in Palm Beach County, Florida. The facility includes three 3-on-1 combined cycle units, each configured with three Mitsubishi 501G1 combustion turbines, 3 Nooter Eriksen HRSGs, and one steam turbine with a combined capacity of 3,657 MW at the summer peak rating for the entire facility. Additionally, each unit has an SCR for reducing NO_x emissions. Each combined cycle unit includes a dedicated mechanical draft cooling tower.

4.0 PROPOSED PLANTS DESCRIPTIONS

FPL currently has several generation facilities under development which are anticipated to have a commercial operation date between 2016 and mid-2019 that were included for evaluation in the Study. Because these facilities are still in the development stage, as-built drawings of these facilities were unavailable. Instead, the decommissioning costs for these plants were estimated based on BMcD's experience with demolition of facilities similar to those proposed.

Following are plant descriptions for each of the proposed power plants included in this Study.

4.1 Babcock Ranch Solar Energy Center

The Babcock Ranch Solar Energy Center ("Babcock Ranch Solar") is proposed to be built by the end of 2016 as a photovoltaic solar power facility located near Babcock, Florida, with a proposed capacity of 74.5 MW at the summer peak rating and a facility size of approximately 440 acres. The facility is proposed to include approximately 229,000 panels in conjunction with 40 GE 2 MVA inverters and one 85 MVA step-up transformer.

4.2 Citrus Solar Energy Center

The Citrus Solar Energy Center ("Citrus Solar") is proposed to be built by the end of 2016 as a photovoltaic solar power facility located in DeSoto County, Florida, with a proposed nameplate capacity of 74.5 MW and a facility size of approximately 841 acres. The facility is proposed to include approximately 229,000 Hanwha 325 W panels in conjunction with 40 GE 2 MVA inverters and one 85 MVA step-up transformer.

4.3 Fort Myers

It is anticipated that by the end of 2016, the Fort Myers plant will replace 10 of the 12 simple-cycle combustion turbines with two GE 7FA.05 combustion turbines, each rated for 231 MW. For purposes of this Study, decommissioning estimates have been prepared based on the configuration of the plant after this replacement project occurs.

4.4 Lauderdale

It is anticipated that by the end of 2016, the Lauderdale plant will replace 22 of the 24 simple-cycle combustion turbines with five GE 7FA.05 combustion turbines, each rated for 231 MW. For purposes of this Study, decommissioning estimates have been prepared based on the configuration of the plant after this replacement project occurs.

4.5 Manatee Solar Energy Center

The Manatee Solar Energy Center ("Manatee Solar") is proposed to be built by 2016 as a photovoltaic solar power facility located in Manatee County, Florida, with a proposed capacity of 74.5 MW at the summer peak rating and a facility size of approximately 762 acres. The facility is proposed to include approximately 229,000 panels in conjunction with 40 GE 2 MVA inverters and one 85 MVA step-up transformer.

4.6 Okeechobee Clean Energy Center

The Okeechobee Clean Energy Center ("OCEC") is proposed to be built prior to June 2019 and will be located in northeast Okeechobee County, Florida, approximately 24 miles west of Vero Beach and 27 miles north-northeast of Okeechobee on the border with Indian River County. The OCEC will include approximately 189 acres and utilize three "H" Class combustion turbines, three HRSGs, and a steam turbine. The plant will have an approximate generating capability of 1,633 MW at the summer peak rating. Additionally, each HRSG will have an SCR for reducing NO_x emissions. For cooling, Unit 1 is anticipated to have a 30-cell mechanical draft cooling tower and basin located at the site. The facility will use equipment similar to that at the Riviera Plant.

5.0 DECOMMISSIONING COSTS

BMcD has prepared decommissioning cost estimates for the Plants. When FPL determines that each site should be retired, the above grade equipment and steel structures are assumed to have sufficient scrap value to a demolition contractor to offset a portion of the site decommissioning costs. However, FPL will incur costs of decommissioning of the Plants and restoration of the site to the extent that those costs exceed the salvage value of equipment and bulk steel.

The decommissioning costs include the cost to return the site to an industrial condition, suitable for reuse for development of an industrial facility. Included are the costs to dismantle all of the assets owned by FPL at the site, including power generating equipment and balance of plant facilities, as well as environmental site restoration activities.

For purposes of this study, BMcD has assumed that each site will be decommissioned as a single project, allowing the most cost effective demolition methods to be utilized. It is BMcD's understanding, based on information provided by FPL, that this methodology was used for demolition of the other FPL facilities that were fully retired. A summary of several of the means and methods that could be employed is summarized in the following paragraphs; however, means and methods will not be dictated to the contractor by BMcD. It will be the contractor's responsibility to determine means and methods that result in safely decommissioning the Plants at the lowest possible cost.

Asbestos remediation would take place prior to commencement of any other demolition activities.

Abatement would need to be performed in compliance with all state and federal regulations, including, but not limited to requirements for sealing off work areas and maintaining negative pressure throughout the removal process. Final clearances and approvals would need to be achieved prior to performing further demolition activities.

High grade assets would then be removed from the site, to the extent possible. This would include items such as transformers, transformer coils, circuit breakers, electrical wire, condenser plates and tubes, and heater tubes. High grade assets include precious alloys such as copper, aluminum, brass tubes, stainless steel tubes, and other high value metals occurring in plant systems. High grade asset removal would occur up-front in the schedule, to reduce the potential for vandalism, to increase cash flow, and for separation of recyclable materials, in order to increase scrap recovery. Methods of removal vary with the location and nature of the asset. Small transformers, small equipment, and wire would likely be removed and shipped as-is for processing at a scrap yard. Large transformers, combustion turbines, steam turbines, and condensers would likely require some on-site disassembly prior to being shipped to a scrap yard.

Construction and Demolition ("C&D") waste includes items such as non-asbestos insulation, roofing, wood, drywall, plastics, and other non-metallic materials. C&D waste would typically be segregated from scrap and concrete to avoid cross-contaminating of waste streams or recycle streams. C&D demolition crews could remove these materials with equipment such as excavators equipped with material handling attachments, skid steers, etc. This material would be consolidated and loaded into bulk containers for disposal.

In general, boilers and HRSGs could be felled and cut into manageable sized pieces on the ground. First the structures around the boilers would need to be removed using excavators equipped with shears and grapples. Stairs, grating, elevators, and other high structures would be removed using an "ultra-high reach" excavator, equipped with shears. Following removal of these structures, the boilers or HRSGs would be felled, using explosive blasts. The boilers would then be dismantled using equipment such as excavators equipped with shears and grapples, and the scrap metal loaded onto trailers for recycling.

After the surrounding structures and ductwork have been removed, the stacks would be imploded, using controlled blasts. Following implosion the stack liners and concrete would be reduced in size to allow for handling and removal.

Balance of plant structures and foundations would likely be demolished using excavators equipped with hydraulic shears, hydraulic grapples, and impact breakers, along with workers utilizing open flame cutting torches. Steel components would be separated, reduced in size, and loaded onto trailers for recycling. Concrete would be broken into manageable sized pieces and stockpiled for crushing on-site. Concrete pieces would ultimately be loaded in a hopper and fed through a crusher to be sized for on-site disposal.

The Turkey Point plant would likely be demolished utilizing "ultra-high reach" excavators equipped with shears and a concrete processor, excavators, and skid steers, since it cannot be felled, due to the proximity of the adjacent nuclear unit.

5.1 General Assumptions for All Sites

The following assumptions were made as the basis of all of the cost estimates.

- 1. Pricing for all estimates are in 2015 dollars.
- 2. Scrap values are based on the American Metals Market Monthly Report for October 2015.
- 3. All work will take place in a safe and cost efficient method.
- 4. Labor costs are based on a regular 40 hour workweek without overtime.

- 5. Labor rates are based on RS Means values for a demolition crew B-8 with rates adjusted based on the site cost indexes for Florida and Georgia.
- 6. The estimates are inclusive of all costs necessary to properly dismantle and decommission all sites to a marketable or usable condition. For purposes of this study and the included cost estimates, the facilities will be restored to a condition suitable for industrial use.
- 7. All facilities will be decommissioned to zero generating output. Existing utilities will remain in place for use by the contractor for the duration of the demolition activities.
- 8. It is assumed that all of the power stations will be dismantled after all units at a single site are taken out of service, allowing dismantlement of entire sites at once.
- 9. Soil testing and any other on-site testing has not been conducted for this study.
- 10. Transmission switchyards and substations within the boundaries of the plant are not part of the demolition scope. Switchyards that are associated with the facilities only and are not part of the transmission system are included for demolition. For purposes of this study, the division between generation assets and transmission assets is at the high side of the generator step-up transformers.
- 11. The costs for relocation of transmission lines, or other transmission assets, are specifically excluded from the decommissioning cost estimates. Any costs necessary to support on-going operations of adjacent or newly proposed units will be allocated to the operating costs of the units not being decommissioned.
- 12. Step-up transformers, auxiliary transformers, and spare transformers are included for demolition and scrap in all estimates.
- 13. Abatement of asbestos will precede any other work. After final air quality clearances have been obtained, demolition can proceed.
- 14. All demolition and abatement activities, including removal of asbestos, will be done in accordance with any and all applicable Federal, State and Local laws, rules and regulations.
- 15. Asbestos estimates were provided by FPL and escalated at 2.5 percent from 2014 to 2015 to represent 2015 year dollars unless noted otherwise in the site specific sections below.
- 16. FPL will remove or consume all burnable coal, fuel oil and chemicals prior to commencement of demolition activities.
- 17. Hazardous material abatement is included for all sites as necessary, including asbestos, mercury, and polychlorinated biphenyls ("PCBs"). Lead paint coated materials will be handled by certified personnel as necessary, but lead paint will not be removed prior to demolition.
- 18. Intake and discharge canals including any manatee heater equipment are assumed to remain at the site after demolition and thus have been excluded from decommissioning estimates.

- 19. No environmental costs have been included to address cleanup of contaminated soils, hazardous materials, or other conditions present on-site having a negative environmental impact, other than those specifically listed in these assumptions. No allowances are included for unforeseen environmental remediation activities.
- 20. Handling and disposal of hazardous material will be performed in compliance with the approved methods of FPL's Environmental Services Department.
- 21. Refractory brick on the coal fired boilers is handled and disposed of as hazardous waste, due to the likelihood of the presence of arsenic contamination.
- 22. Existing ash ponds will be pumped dry, filled with inert debris, capped with 40 mil geomembrane, geo-net drainage layer, 24 inches of soil, and vegetated cover.
- 23. Stormwater ponds will be pumped dewatered, graded to drain to natural drainage patterns, and seeded.
- 24. Cooling lakes or ponds will remain as-is.
- 25. Site areas will be graded to achieve suitable site drainage to natural drainage patterns, but grading will be minimized to the extent possible.
- 26. All above grade structures will be demolished. All below grade structures, including foundations, will be removed to two (2) feet below grade. Additional structures and foundations greater than two (2) feet below grade will be abandoned in-place unless deemed hazardous by FPL or otherwise stated in the assumptions as being demolished.
- 27. Existing basements will be used to bury non-hazardous debris. Concrete in trenches and basements will be perforated to create drainage. Non-hazardous debris, such as concrete and brick, will be crushed and used as clean fill on-site once the capacity of all existing basements has been exceeded. All inert debris will be disposed of on-site. Costs for offsite disposal are included for materials not classified as inert debris.
- 28. Major equipment, structural steel, combustion turbines, generators, inlet filters, exhaust stacks, transformers, electrical equipment, cabling, wiring, pump skids, above ground piping, and equipment enclosures for the above equipment will be sold for scrap and removed from the Plant site by the demolition contractor. All other demolished materials are considered debris.
- 29. Except for the circulating water lines, underground piping will be abandoned in place.
 Circulating water system pipes will be capped, have the tops broken out, and backfilled with on-site soil.
- 30. Sewers, catch basins and ducts will be filled and sealed on the upstream side. Horizontal runs will be abandoned in place after being closed.

- 31. Costs are included to clean out the fuel oil tanks and lines. Costs have also been included to remove three (3) feet of soil directly below each of the fuel oil tanks to account for the potential for this soil to be contaminated during normal operations.
- 32. Disturbed site areas will be seeded or surfaced with crushed concrete after they are graded to provide a suitable ground cover to prevent soil erosion.
- 33. BMcD assumes that spare parts will be sold to the extent possible prior to decommissioning. Any remaining spare parts will be sold as scrap by the demolition contractor.
- 34. Rolling stock, including rail cars, dozers, plant vehicles, etc. is assumed to be removed by FPL prior to decommissioning.
- 35. Valuation and sale of land and all replacement generation costs are excluded from this scope.
- 36. For purposes of this study, it is assumed that none of the equipment will have a salvage value in excess of the scrap value of the materials in the equipment at the time of the decommissioning study. The decommissioning cost estimate is based on the end of useful life of each facility. All equipment, steel, copper, and other metals will be sold as scrap. Credits for salvage value are based on scrap value alone. Resale of equipment and materials is not included.
- 37. The scope of the costs included in this Study is limited to the decommissioning activities that will occur at the end of useful life of the facilities and groundwater monitoring activities associated with closure of ash ponds and landfills. Groundwater monitoring costs associated with the closed ash ponds and landfills are reported as the annual cost for one year, in 2015 dollars. These monitoring activities will be required for 30 years. Additional on-going costs may be required for maintenance of the site, depending on the condition of the site and ownership of the site. No additional ongoing costs have been included in the cost estimates provided in this Study.
- 38. Contingency is included in the cost estimate to cover expenses that are unknown at the time the estimate was prepared, but can reasonably be anticipated to be expended on the project. When preparing a cost estimate, there is always some uncertainty as to the precision of the quantities in the estimate, how work will be performed, and what work conditions will be like when the project is executed. Uncertainties are greater in a demolition project than in a construction project due to the nature of the drawings used for quantity takeoffs and the likelihood of encountering unknown conditions, such as hazardous materials, or environmental contamination. Other unknown conditions that could impact the costs include, but are not limited to, changing market conditions and weather delays. These uncertainties will impact the actual costs of the project relative to the estimated cost. The estimator is aware of these unknowns when preparing the cost estimate and includes contingency to cover these costs. A 20 percent contingency was included on the direct costs in the estimates prepared as part of this study to cover unknowns.

39. Indirect costs are included in the cost estimate to cover owner expenses such as management trailers, utilities, demolition oversight, and home office general and administrative costs. An indirect cost of 5 percent was included in the estimates to cover such costs.

Market conditions may result in cost variations at the time of contract execution.

5.2 Site Specific Decommissioning Assumptions

The following assumptions were made specific to each plant cost estimate.

5.2.1 Cape Canaveral

The following assumptions were made specific to the Cape Canaveral plant.

- 1. Intake and discharge canals including any manatee heater equipment are assumed to remain in place after demolition and have been excluded from the decommissioning estimate.
- 2. The laydown yard south of intake and discharge canals is assumed to be separate from the plant and is excluded from the demolition estimate.
- 3. Crushed concrete is assumed to be disposed of onsite and spread across the site.
- 4. The collector switchyard equipment, located west of the gas turbines, and the overhead transmission line from the onsite collector switchyard to the adjacent substation are included in the demolition estimate. The plant substation will remain in place and is not included in the decommissioning estimate.
- 5. The natural gas feeder station located north of the onsite switchyard is assumed to remain in place after demolition and has been excluded from the decommissioning estimate.
- 6. Cost estimate includes cost for importing topsoil, grading, and seeding the stormwater pond.

5.2.2 DeSoto Next Generation Solar Energy Center

The following assumptions were made specific to the DeSoto Next Generation Solar Center facility.

1. The cost estimate includes cost for grading, and seeding the site. No imported topsoil is assumed necessary for the solar facility due to the small footprint of the equipment foundations.

5.2.3 Space Coast Next Generation Solar Energy Center

The following assumptions were made specific to the Space Coast Solar Center facility.

1. The cost estimate includes cost for grading, and seeding the site. No imported topsoil is assumed necessary for the solar facility due to the small footprint of the equipment foundations.

5.2.4 Fort Myers

- 1. The property south of State Road 80 which is leased to the city for the manatee park is excluded from the decommissioning estimates.
- 2. The collector switchyard equipment immediately adjacent to the combustion turbines will be removed and all salvageable material will be scrapped including the overhead transmission lines to the plant substation. The plant substation and switchyard will remain and all access roads on the site that are specifically for the plant substation are not included in the decommissioning estimate.
- The discharge canal located central to the plant site will remain and is excluded from the estimate.
- 4. Cooling water piping from intake and to discharge canals is assumed to be below two (2) feet and will be capped and left in place.
- 5. The estimate includes the proposed two (2) GE 7FA.05 combustion turbines in replacement of 10 of the existing simple-cycle combustion turbines, with two simple-cycle combustion turbines remaining at the site and included in the decommissioning estimate. For reference, the proposed GE 7FA.05 combustion turbines were classified as Unit 4.

5.2.5 Lauderdale

- 1. The discharge canal located north of the steam turbines site will remain and is excluded from the estimate.
- 2. The collector switchyard equipment immediately adjacent to the combustion turbines will be removed and all salvageable material will be scrapped including the overhead transmission lines to the plant substation. The plant substation and switchyard will remain in place and all access roads on the site that are specifically for the plant substation are not included in the decommissioning estimate.
- The site includes a bridge to access the main entrance of the site. This bridge is assumed to remain after decommissioning of site and has been excluded from the decommissioning cost estimate.
- 4. The estimate includes the proposed five (5) GE 7FA.05 combustion turbines in replacement of 22 of the existing simple-cycle combustion turbines, with two simple-cycle combustion turbines remaining at site and included in decommissioning estimate. For reference, the proposed GE 7FA.05 combustion turbines were classified as Unit 6.

5.2.6 Manatee

- The collector switchyard equipment immediately south of the combustion turbines will be removed and all salvageable material will be scrapped including the overhead transmission lines to the plant substation.
- The plant substation and switchyard located south of the boilers will remain and all access roads on the site that are required for access to the plant substation are not included in the decommissioning estimate.
- 3. Units 1 and 2 have electrostatic precipitators for air quality controls which were included in the decommissioning estimate.
- 4. The cooling pond located northeast of site is assumed to remain after decommissioning of plant and all costs associated with pond have been excluded from the decommissioning estimate.
- 5. Condenser tube material for Units 1 and 2 are sea cure. Unit 3 condenser tube material is 316 stainless.
- 6. Fuel oil tanks at the nearby port are assumed to be separate from the plant and are excluded from the decommissioning estimate. The fuel pipeline from the port to the plant will be flushed, capped, and abandoned in place.
- 7. The soil contamination estimate was provided by FPL and performed by FPL's environmental team based on known contamination issues at the site. BMcD did not independently verify these estimates.

5.2.7 **Martin**

- 1. The site includes two substations, both of which are assumed to remain in place and are excluded from the decommissioning estimate.
- 2. The cooling pond located on the west side of the site is assumed to remain in place and all costs associated with the pond have been excluded from the decommissioning estimate.
- 3. Unit 8 includes a parabolic solar thermal facility. The parabolic troughs will be removed and disposed of in the onsite landfill. The structural framing for the parabolic troughs is made of aluminum and will be recycled, along with the steel columns that support the aluminum framing. The foundations below the columns will be removed to two (2) feet below grade.

5.2.8 Port Everglades

1. The Plant was under construction during the time of the Study. Estimates are based on the anticipated layout of the facility after construction is complete.

- 2. The two (2) plant substations and switchyards located south and southwest of the facility will remain and all access roads on the site that are required for access to the plant substations are not included in the decommissioning estimate.
- The discharge canal is assumed to remain at site and was excluded from the decommissioning estimate.
- 4. The 12 CTs located north of Unit 5 are assumed to be removed, including foundation, equipment, and interconnection to plant substations.
- 5. The above ground piping at the natural gas metering area is included in the decommissioning estimate, however, all piping below ground is assumed to be two (2) feet below grade and is excluded from the estimate.

5.2.9 Riviera

The collector switchyard equipment immediately south of the combustion turbines will be
removed and all salvageable material will be scrapped including the overhead transmission lines
to the plant substation. The plant substation and switchyard located west of the combustion
turbines will remain and all access roads on the site that are specifically for the plant substation
are not included in the decommissioning estimate.

5.2.10 Sanford

- 1. The gazeebo and associated parking lot located in the southwest section of the site is assumed to remain and is excluded from the decommissioning estimate.
- 2. The collector switchyards immediately adjacent to the combustion turbines will be removed and all salvageable material will be scrapped including the overhead transmission lines to the plant substation. The plant substation will remain and all access roads on the site that are specifically for the plant substation are not included in the decommissioning estimate.
- 3. The plant includes two (2) condensate tanks within a containment area which were originally used for fuel oil storage. Soil remediation under these tanks is included.
- 4. The cooling pond and associated canal system are assumed to remain after decommissioning of plant and all costs associated with pond have been excluded from the decommissioning estimate.
- 5. The concrete separator between intake and discharge canal is assumed to remain in place and is excluded from decommissioning estimate.
- 6. The site includes ash landfills which were approved as closed prior to this Study. No costs are included in the current estimates for these landfills

5.2.11 Scherer

- 1. The decommissioning estimate includes the complete cost for demolition of Unit 4 and all common facilities. BMcD notes that FPL has percentage ownership of Unit 4 and common facilities; however, the costs presented in this Study are based on the full removal costs of each of these items, with no ownership percentages applied to these values. FPL will apply their ownership percentage to determine their portion of the cost obligations.
- 2. The plant substation will remain and all access roads on the site that are specifically for the plant substation are not included in the decommissioning estimate.
- 3. All railroad spurs from highway 87 to site are included in the decommissioning estimate. This includes the railroad tracks used for both limestone and coal transportation.
- 4. The coal pile area will have two (2) feet of soil excavated and replaced with clean fill, covered with imported topsoil, and seeded.
- 5. The powdered activated carbon ("PAC") and gypsum landfills located north of the Plant will be closed by rough grading of berms and sediment for cap base, importing material for cap base, installing geotextile over base soil, installing a 40-mil HDPE liner, installing geotextile on top of FML, importing and placing 24 inches of cover soil, grading cover soil, and hydroseeding.
- 6. The site includes an ash pond which will be closed by dewatering, rough grading of berms and sediment for cap base, importing material for cap base, installing geotextile over base soil, installing a 40-mil HDPE liner, installing geotextile on top of FML, importing and placing 24 inches of cover soil, grading cover soil, and hydroseeding.
- 7. The recycle pond will be closed by dewatering the pond, excavating ash residuals (estimated at 2 feet), transporting the residuals to the ash pond, removing the dam and transporting material the to the ash pond, grading the area, and hydroseeding.
- 8. The site includes a river pumping station located approximately five (5) miles southeast of the Plant and a water supply pipeline, which transports intake water from the river pumping station to the Plant. These pipes will be excavated to the top of pipe, have the tops broken out, and backfilled with soil.
- 9. Each unit includes a dedicated parabolic cooling tower.
- 10. There is a small and large dry stack, each of which is shared between two (2) units (i.e., Unit 4 shares stacks with Unit 3). Half of the costs associated with demolishing the Unit 3 and Unit 4 stacks has been included in the Unit 4 decommissioning costs.
- 11. The asbestos cost estimate was provided by FPL which included 20 percent for contingency and 5 percent for indirects in 2013 year-dollars. BMcD removed the contingency and indirects and then escalated value to represent 2015 year-dollars.

5.2.12 St. Johns River Power Park

- BMcD notes that FPL has percentage ownership of the plant, however, the costs presented in this
 Study are based on the full removal costs for the plant, with no ownership percentages applied to
 these values. FPL will apply their ownership percentage to determine their portion of the cost
 obligations.
- 2. The plant substation will remain and all access roads on the site that are specifically for the plant substation are not included in the decommissioning estimate.
- 3. All railroad spurs surrounding the Plant are included for demolition up to the main railway located approximately 0.5 miles west of the Plant.
- 4. The coal pile area will have 2 feet of soil excavated and replaced with clean fill covered with imported topsoil, and seeded.
- 5. The limestone storage area located east of the boiler units will have 2 feet of soil excavated and replaced with clean fill, covered with imported topsoil, and seeded.
- 6. The site includes two (2) ash landfills which will be closed by rough grading of berms and sediment for cap base, importing material for cap base, installing geotextile over base soil, installing a 40-mil HDPE liner, installing geotextile on top of FML, importing and placing 24 inches of cover soil, grading cover soil, and hydroseeding.
- 7. The soil contamination estimate was provided by FPL and performed by FPL's environmental team based on known contamination issues at the site. BMcD did not independently verify these estimates.
- 8. North of the plant is the old city landfill that is assumed to be separate from the Plant. All costs associated with this landfill have been excluded from the decommissioning costs.
- 9. The site includes a telecommunication tower onsite which is not owned by the Plant. This tower is assumed to remain onsite after the decommissioning of the Plant.
- 10. The Plant includes an unloading dock located offsite. The coal is transported from the unloading dock to the Plant via a three (3) mile conveyor. The conveyor system is assumed to be removed at time of demolition, however, the unloading dock will remain in place, and was excluded from the decommissioning costs.

5.2.13 Turkey Point

1. Due to the proximity of the two nuclear units, this facility will require specialized dismantling to minimize vibrations which may impact the safety and operation of the nuclear facility. Since explosive blast to topple the boilers and stacks will not be allowed, the crew size was adjusted to

- include two (2) additional iron workers and an upgraded crane to 90 ton load. This estimate was adjusted to account for selective equipment dismantlement methodology.
- 2. Unit 1 and 2 are natural gas-fired boiler units which burn low-sulfur fuel oil and have no air quality control equipment.
- 3. Several components of the two boiler units are shared with the nuclear units. The nuclear units were excluded from this decommissioning study and therefore, any components that are integrated were excluded from this study. Such components include:
 - i) Discharge canal;
 - ii) 6,500 acre cooling basin located south of Turkey Point;
 - iii) Water treatment facility;
 - iv) Project substation;
 - v) All parking lots located south of Units 1 and 2;
 - vi) Steam turbine crane track south of Unit 1 and 2 (crane is included); and
 - vii) Boundary fence.
- 4. Decommissioning estimate includes a cost of \$350,000 for the removal of the firewater protection surrounding the boiler units. This value was provided by FPL and was not independently evaluated by BMcD.
- 5. FPL has completed several studies regarding the method and cost for dismantling the stacks for Unit 1 and 2 in order to protect from impacting the nearby nuclear units. These studies include a vibrations study which evaluates the maximum size of sections which can be dropped off the stacks in order to be below the vibrations limit of the nuclear units. Based on the findings of the studies, and as described to BMcD by FPL, BMcD prepared an estimated cost for removing the stacks based on the removal process determined from these studies.

5.2.14 West County

- The collector switchyard equipment adjacent to the combustion turbines will be removed and all
 salvageable material will be scrapped including the overhead transmission lines to the plant
 substation. The plant substation located north of the combustion turbines will remain and all
 access roads on the site that are specifically for the plant substation are not included in the
 decommissioning estimate.
- 2. Cooling water piping from the steam turbine to cooling towers is assumed to be below two (2) feet and will be capped and left in place at the steam turbine and at the cooling towers. All other cooling water piping will be removed and scrapped.

5.2.15 Babcock Ranch Solar Energy Center

The following assumptions were made specific to the Babcock Ranch Solar Energy Center facility.

2. The plant is currently in the development stage. Estimates were scaled based on the DeSoto Next Generation Solar Center facility.

5.2.16 Citrus Solar Energy Center

The following assumptions were made specific to the Citrus Solar Energy Center facility.

3. The plant is currently in the development stage. Estimates were scaled based on the DeSoto Next Generation Solar Center facility.

5.2.17 Manatee Solar Energy Center

The following assumptions were made specific to the Manatee Solar Energy Center facility.

4. The plant is currently in the development stage. Estimates were scaled based on the DeSoto Next Generation Solar Center facility.

5.2.18 Okeechobee

1. The plant is currently in the development stage. Estimates were based on a typical 3-on-1"H" Class combustion turbine combined cycle plant.

5.3 Results

Table 5-1 presents a summary of the decommissioning cost for each Plant. This summary provides a breakout of the major decommissioning activities and the scrap value for the Plant. Further breakdowns of these costs are presented in Table A-1 through Table A-18 in Appendix A. BMcD has also prepared annual costs for groundwater monitoring associated with closed ash ponds and/or landfills, as presented in Table 5-2. Note that the regulatory requirement for groundwater monitoring should be for a period of 30 years following the closure.

Table 5-1: Site Decommissioning Cost (2015\$)1

	Decommissioning		
Plant	Costs	Credits	Net Project Cost
Cape Canaveral	\$20,031,993	(\$4,616,199)	\$15,415,794
DeSoto Solar	\$3,009,309	(\$735,431)	\$2,273,878
Ft. Myers	\$41,516,932	(\$10,119,993)	\$31,396,939
Lauderdale	\$39,299,982	(\$7,864,398)	\$31,435,584
Manatee	\$73,789,541	(\$16,363,554)	\$57,425,987
Martin	\$113,594,115	(\$26,204,511)	\$87,389,603
Port Everglades	\$21,261,928	(\$7,317,093)	\$13,944,835
Riviera	\$17,500,262	(\$4,387,026)	\$13,113,236
St. Johns River ²	\$119,600,000	(\$11,470,000)	\$108,130,000
Sanford	\$31,444,119	(\$9,043,912)	\$22,400,207
Scherer ^{2,3}	\$205,554,000	(\$9,629,000)	\$195,925,000
Space Coast Solar	\$1,150,000	(\$289,000)	\$861,000
Turkey Point	\$64,616,729	(\$13,677,173)	\$50,939,556
West County	\$54,842,211	(\$16,156,521)	\$38,685,690
Babcock Ranch Solar ⁴	\$8,569,000	(\$2,152,000)	\$6,417,000
Citrus Solar ⁴	\$8,569,000	(\$2,152,000)	\$6,417,000
Manatee Solar ⁴	\$8,569,000	(\$2,152,000)	\$6,417,000
Okeechobee ⁴	\$17,515,000	(\$5,560,000)	\$11,955,000

¹ Cost estimates were rounded to the nearest \$1,000 and then site inventory costs and recoverable scrap for inventory was added to the rounded estimate resulting in the values shown.

Table 5-2: Annual Groundwater Monitoring Costs (2015\$)

Plant	Annual Cost
St. Johns River	\$175,000
Scherer	\$1,175,300

Monitoring installation costs included in decommissioning costs.

²Costs for Scherer and St. Johns River have not been adjusted for FPL's ownership percentage.

³ Scherer estimate includes only Unit 4 and all common facilities.

⁴ Proposed facility.

6.0 LIMITATIONS

In preparation of this decommissioning study, BMcD has relied upon information provided by Florida Power & Light. BMcD acknowledges that it has requested the information from Florida Power & Light that it deemed necessary to complete this study. While we have no reason to believe that the information provided to us, and upon which we have relied, is inaccurate or incomplete in any material respect, we have not independently verified such information and cannot guarantee its accuracy or completeness.

Engineer's estimates and projections of decommissioning costs are based on Engineer's experience, qualifications and judgment. Since Engineer has no control over weather, cost and availability of labor, material and equipment, labor productivity, construction contractors' procedures and methods, and other factors, Engineer does not guarantee the accuracy of its estimates and projections.

Engineer's estimates do not include allowances for unforeseen environmental liabilities associated with unexpected environmental contamination due to events not considered part of normal operations, such as fuel tank ruptures, oil spills, etc. Estimates also do not include allowances for environmental remediation associated with changes in classification of hazardous materials.

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APPENDIX A - COST BREAKDOWNS

Table A-1 Cape Canaveral Power Plant Decommissioning Cost Summary

Total Cost	Salvage
\$ 5.587.000	s -
	\$ -
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\$ 529,000	\$ -
\$ 198,000	\$ -
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\$ 9,234,000	\$ (4,218,0
\$ 65,000	\$ -
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\$ 2,976,000	
\$ 1,431,993	\$ (143,1
\$ 20,031,993	\$ (4,616,1
\$ 15,415,794	
\$	1,431,993 20,031,993

¹ Site inventory costs and recoverable scrap of inventory estimates (10%) were provided by FPL and were not independently reviewed by BMcD.

Table A-2 DeSoto Next Generation Solar Energy Center Decommissioning Cost Summary

		V	Material and				
	Labor		Equipment	Disposal	Environmental	Total Cost	Salvage
eSoto Next Generation Solar Energy Center							
Unit 1							
Demolition	\$ 564,000		846,000	-	\$ -	\$ 1,410,000	-
Collector System	\$ 44,000		66,000	-	\$ -	\$ 110,000	-
Project Buildings	\$ 6,000		9,000	-	\$ -	\$ 15,000	-
Hazardous Material Disposal	\$ -	\$	-	\$ 393,000	\$ -	\$ 393,000	-
On-site Concrete Crushing & Disposal	\$ -	\$	-	\$ 25,000	\$ -	\$ 25,000	-
Site Restoration	\$ -	\$	-	\$ -	\$ 300,000	\$ 300,000	-
Debris	\$ -	\$	-	\$ 47,000	\$ -	\$ 47,000	- (700.000
Scrap	\$ 	\$		\$ 	\$ 	\$ -	\$ (722,000
Subtotal	\$ 614,000	\$	921,000	\$ 465,000	\$ 300,000	\$ 2,300,000	\$ (722,000)
Desoto Solar Energy Center Subtotal	\$ 614,000	\$	921,000	\$ 465,000	\$ 300,000	\$ 2,300,000	\$ (722,000
TOTAL COST (CREDIT)						\$ 2,300,000	\$ (722,000)
PROJECT INDIRECTS (5%)						\$ 115,000	
CONTINGENGY (20%)						\$ 460,000	
SITE INVENTORY COST (CREDIT) ¹						\$ 134,309	\$ (13,431
TOTAL PROJECT COST (CREDIT)						\$ 3,009,309	\$ (735,431
TOTAL NET PROJECT COST (CREDIT)						2,273,878	

¹ Site inventory costs and recoverable scrap of inventory estimates (10%) were provided by FPL and were not independently reviewed by BMcD.

Table A-3 Ft. Myers Power Plant **Decommissioning Cost Summary**

	Labor	Material and Equipment		Disposal	Environmental		Total Cost		Salvage
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\$	- ! - !	\$ - \$ - \$ - \$ -	\$ \$	3,000	\$ 369,000 \$ - \$ -	\$ \$	369,000 3,000	\$ \$ \$	(479,00
\$	- - -	\$ - \$ - \$ -	\$	3,000	\$ 369,000 \$ -	\$	369,000 3,000	\$	(479,0) (479,0)
		\$ 4,272,000 \$ 1,079,000 \$ 144,000 \$ 174,000 \$ 174,000 \$ 176,000 \$ 5,079,000 \$ 5,979,000 \$ 110,000 \$ 67,000 \$ 67,000 \$ 62,000 \$ 947,000 \$ 87,000 \$ 87,000 \$ 1,040,000 \$ 218,000 \$ 1,040,000 \$ 233,000 \$ 1,040,000 \$ 233,000 \$ 233,000 \$ 3,000 \$	\$ 4,272,000 \$ 4,668,000 \$ 1,079,000 \$ 1,179,000 \$ 158,000 \$ 158,000 \$ 174,000 \$ 190,000 \$ 174,000 \$ 190,000 \$ 174,000 \$ 190,000 \$ 136,000 \$ 149,000 \$ 136,000 \$ 149,000 \$ 136,000 \$ 149,000 \$ 136,000 \$ 149,000 \$ 121,00	\$ 4,272,000 \$ 4,668,000 \$ 1,079,000 \$ 1,179,000 \$ 144,000 \$ 158,000 \$ 174,000 \$ 174,000 \$ 174,000 \$ 174,000 \$ 190,000 \$ 174,000 \$ 190,000 \$ 136,000 \$ 149,000 \$ 136,000 \$ 149,000 \$ 136,000 \$ 136,000 \$ 149,000 \$ 136,000 \$ 136,000 \$ 121,000 \$ 121,000 \$ 121,000 \$ 121,000 \$ 121,000 \$ 121,000 \$ 121,000 \$ 121,000 \$ 121,000 \$ 121,000 \$ 121,000 \$ 132,00	\$ 4,272,000 \$ 4,668,000 \$ - \$ 1,079,000 \$ 1,179,000 \$ - \$ 144,000 \$ 158,000 \$ - \$ 174,000 \$ 190,000 \$ 64,000 \$ 174,000 \$ 190,000 \$ - \$ 136,000 \$ 149,000 \$ - \$ - \$ - \$ - \$ 384,000 \$ - \$ - \$ - \$ 384,000 \$ - \$ - \$ - \$ - \$ 5,979,000 \$ 6,534,000 \$ 448,000 \$ - \$ - \$ - \$ - \$ 67,000 \$ 820,000 \$ - \$ 62,000 \$ 68,000 \$ - \$ 62,000 \$ 68,000 \$ - \$ 989,000 \$ 1,035,000 \$ 93,000 \$ 947,000 \$ 1,035,000 \$ 23,000 \$ 6,000 \$ 6,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,035,000 \$ - \$ 110,000 \$ 1,000 \$ 1,000 \$ - \$ 110,000 \$ 1,000	\$ 4,272,000 \$ 4,668,000 \$ - \$ - \$ - \$ 1,079,000 \$ 1,179,000 \$ - \$ - \$ - \$ 144,000 \$ 158,000 \$ - \$ - \$ - \$ 174,000 \$ 190,000 \$ 64,000 \$ - \$ - \$ - \$ 174,000 \$ 190,000 \$ - \$ - \$ - \$ - \$ 136,000 \$ 149,000 \$ - \$ - \$ - \$ - \$ 384,000 \$ - \$ - \$ - \$ - \$ - \$ 384,000 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,272,000 \$ 4,668,000 \$ - \$ - \$ - \$ \$ \$ 1,079,000 \$ 1,179,000 \$ - \$ - \$ - \$ \$ 144,000 \$ 158,000 \$ - \$ - \$ - \$ \$ 174,000 \$ 190,000 \$ 64,000 \$ - \$ \$ 174,000 \$ 190,000 \$ - \$ - \$ - \$ \$ 174,000 \$ 149,000 \$ - \$ - \$ - \$ \$ 136,000 \$ 149,000 \$ - \$ - \$ - \$ \$ - \$ - \$ - \$ 384,000 \$ - \$ \$ - \$ - \$ - \$ - \$ 384,000 \$ - \$ \$ - \$ - \$ - \$ - \$ \$ 5,979,000 \$ 6,534,000 \$ 448,000 \$ - \$ \$ 5 750,000 \$ 820,000 \$ - \$ - \$ \$ 62,000 \$ 68,000 \$ - \$ - \$ \$ 62,000 \$ 68,000 \$ - \$ - \$ \$ - \$ - \$ - \$ - \$ \$ 989,000 \$ 1,035,000 \$ 93,000 \$ - \$ \$ - \$ - \$ - \$ - \$ \$ 1,040,000 \$ 1,136,000 \$ 98,000 \$ - \$ \$ 1,040,000 \$ 1,136,000 \$ 98,000 \$ - \$ \$ - \$ - \$ - \$ - \$ - \$ \$ 218,000 \$ 238,000 \$ - \$ - \$ \$ - \$ - \$ - \$ - \$ \$ 110,000 \$ 1,136,000 \$ 98,000 \$ - \$ \$ - \$ - \$ - \$ - \$ \$ 1,040,000 \$ 1,136,000 \$ 98,000 \$ - \$ \$ - \$ - \$ - \$ - \$ \$ 1,040,000 \$ 1,136,000 \$ 98,000 \$ - \$ \$ - \$ - \$ - \$ - \$ \$ 1,040,000 \$ 1,136,000 \$ 98,000 \$ - \$ \$ - \$ - \$ - \$ - \$ \$ 1,040,000 \$ 1,136,000 \$ 98,000 \$ - \$ \$ - \$ - \$ - \$ - \$ - \$ \$ 1,040,000 \$ 1,136,000 \$ 98,000 \$ - \$ \$ - \$ - \$ - \$ - \$ \$ - \$ - \$ - \$ -	\$ 4,272,000 \$ 4,668,000 \$ - \$ - \$ \$. \$ 8,940,000 \$ 1,079,000 \$ 1,179,000 \$ - \$ - \$. \$ 2,258,000 \$ 144,000 \$ 168,000 \$ - \$ - \$. \$ 302,000 \$ 174,000 \$ 190,000 \$ 64,000 \$ - \$. \$ 428,000 \$ 174,000 \$ 190,000 \$ - \$. \$. \$ 364,000 \$ 174,000 \$ 149,000 \$ - \$. \$. \$ 384,000 \$ 136,000 \$ 149,000 \$ - \$. \$. \$ 285,000 \$. \$. \$. \$ 384,000 \$. \$. \$. \$ 384,000 \$. \$. \$. \$ 384,000 \$. \$. \$. \$ 384,000 \$. \$. \$. \$. \$ 384,000 \$. \$. \$. \$. \$. \$ 384,000 \$. \$. \$. \$. \$. \$. \$. \$. \$.	\$ 4,272,000 \$ 4,668,000 \$ - \$ - \$ \$. \$ 8,940,000 \$ \$ \$ 1,179,000 \$ - \$. \$. \$ 2,258,000 \$ \$ \$ 144,000 \$ 198,000 \$ - \$. \$. \$ 302,000 \$ \$ \$ 174,000 \$ 199,000 \$ 64,000 \$. \$. \$ 428,000 \$ \$ 174,000 \$ 199,000 \$ \$ \$. 364,000 \$ \$ 174,000 \$ 199,000 \$ \$ \$. 364,000 \$ \$ 136,000 \$ 149,000 \$ \$ \$ \$ 285,000 \$ \$. \$. \$. \$. \$ 285,000 \$ \$. \$. \$. \$. \$. \$. \$. \$. \$

¹ Asbestos removal estimates were provided by FPL and were not independently reviewed by BMcD.
² Site inventory costs and recoverable scrap of inventory estimates (10%) were provided by FPL and were not independently reviewed by BMcD.

Table A-4 Lauderdale Power Plant **Decommissioning Cost Summary**

		Labor	Material and Equipment	Dispo	neal	Environmental	Total Cost		Salvage
derdale Power Plant		Laboi	-quipillent	pispo	Jai	LIIVII OIIIII EIILAI	i otal oost		Jaivage
Unit 4									
GTs and HRSGs	\$	1,374,000		\$	-	\$ -	\$ 2,875,000	\$	-
Steam Turbine & Pedestal	\$	786,000		\$	-	\$ -	\$ 1,645,000	\$	-
SCR GSU & Electrical	\$ \$	50,000 \$ 128,000 \$		\$	46,000	\$ - \$ -	\$ 104,000 \$ 314,000	\$ \$	
Stack	\$ \$	58,000		\$	-0,000	\$ -	\$ 121,000	э \$	
On-site Concrete Crushing & Disposal	\$	- 5			136,000	\$ -	\$ 136,000	\$	
Debris	\$	- 3		\$	1,000	\$ -	\$ 1,000	\$	
Scrap	\$	- 5		\$	-	\$ -	\$ -	\$	(2,034,0
Subtotal	\$	2,396,000	2,617,000	\$ 1	183,000	\$ -	\$ 5,196,000	\$	(2,034,0
Unit 5									
GTs and HRSGs	\$	1,374,000		\$	-	\$ -	\$ 2,875,000		
Steam Turbine & Pedestal	\$	786,000		\$	-	\$ -	\$ 1,645,000	\$	
SCR	\$	48,000		\$	-	\$ -	\$ 100,000	\$	
GSU & Electrical Stack	\$	129,000		\$	48,000	\$ - \$ -	\$ 318,000	\$	
On-site Concrete Crushing & Disposal	\$ \$	58,000		\$ \$ 1	-	\$ -	\$ 121,000 \$ 136,000	\$ \$	
Debris	\$		-	\$		\$ -	\$ 1,000	\$	
Scrap	\$	- 5		\$	-	\$ -	\$ -	\$	(2,039,
Subtotal	\$	2,395,000			185,000	\$ -	\$ 5,196,000	_	(2,039,
Unit 6 (Proposed 5x GE 7FA.05s)									
Turbines & Foundations	\$	2,338,000 \$	2,554,000	\$	_	\$ -	\$ 4,892,000	\$	
GSU	\$	218,000			23,000	\$ -	\$ 480,000	\$	
Stack	\$	15,000		\$	-	\$ -	\$ 31,000	\$	
On-site Concrete Crushing & Disposal	\$	- 5			188,000	\$ -	\$ 188,000	\$	
Scrap	\$	- 5		\$	-	\$ -	\$ -	\$	(2,639,
Subtotal	\$	2,571,000	2,809,000	\$ 2	211,000	\$ -	\$ 5,591,000	\$	(2,639,
GTs 1 & 2									
Turbines & Foundations	\$	210,000	229,000	\$	-	\$ -	\$ 439,000	\$	
GSUs	\$	17,000	18,000	\$	16,000	\$ -	\$ 51,000	\$	
On-site Concrete Crushing & Disposal	\$	- 5	-	\$	10,000	\$ -	\$ 10,000	\$	
Scrap	\$	- 5	-	\$	-	\$ -	\$ -	\$	(332,
Subtotal	\$	227,000	247,000	\$	26,000	\$ -	\$ 500,000	\$	(332,
Common									
Asbestos Removal ¹	\$	- 5	-	\$	-	\$ 195,000	\$ 195,000	\$	
Auxiliary, Switchyard and Substation	\$	14,000	15,000	\$	22,000	\$ -	\$ 51,000	\$	
Cooling Water Intakes and Circulating Water Pumps	\$	448,000	490,000	\$	-	\$ -	\$ 938,000	\$	
Roads	\$	409,000 \$	447,000	\$ 4	149,000	\$ -	\$ 1,305,000	\$	
All BOP Buildings	\$	569,000		\$	-	\$ -	\$ 1,190,000	\$	
Fuel Oil Storage Tanks	\$	162,000		\$	-	\$ -	\$ 339,000	\$	
All Other Tanks	\$	230,000		\$	-	\$ -	\$ 482,000	\$	
Contaminated Soil Removal	\$	- 5		\$	-	\$ 201,000	\$ 201,000	\$	
Fuel Oil Storage Tank Cleaning Fuel Oil Line Flushing/Cleaning	\$ \$	- 5	-	\$ \$	-	\$ 2,591,000 \$ 2,734,000	\$ 2,591,000 \$ 2,734,000	\$	
Settling Pond Closure	\$	- 3		\$	-	\$ 2,734,000 \$ 1,127,000	\$ 2,734,000 \$ 1,127,000	\$ \$	
On-site Concrete Crushing & Disposal	\$ \$	- 3			108,000	\$ 1,127,000	\$ 1,127,000		
	\$	- 5		\$	-	\$ 163,000	\$ 163,000	\$	
Seeding and Grading	\$		-	\$	2,000	\$ -	\$ 2,000	\$	
Seeding and Grading Debris				\$		\$ -	\$ -	\$	(379,
	\$	- 5	-	Ф					(379,
Debris		1,832,000		_	81,000	\$ 7,011,000	\$ 11,426,000	\$	(575,
Debris Scrap Subtotal	\$	1,832,000	2,002,000	\$ 5	·				
Debris Scrap	\$		2,002,000	\$ 5		\$ 7,011,000 \$ 7,011,000	\$ 11,426,000 \$ 27,909,000		
Debris Scrap Subtotal	\$	1,832,000	2,002,000	\$ 5	·			\$	(7,423
Debris Scrap Subtotal Lauderdale Power Plant Subtotal	\$	1,832,000	2,002,000	\$ 5	·		\$ 27,909,000	\$	(7,423
Debris Scrap Subtotal Lauderdale Power Plant Subtotal TOTAL COST (CREDIT)	\$	1,832,000	2,002,000	\$ 5	·		\$ 27,909,000 \$ 27,909,000	\$	(7,423,
Debris Scrap Subtotal Lauderdale Power Plant Subtotal TOTAL COST (CREDIT) PROJECT INDIRECTS (5%)	\$	1,832,000	2,002,000	\$ 5	·		\$ 27,909,000 \$ 27,909,000 \$ 1,395,000	\$	(7,423, (7,423,
Debris Scrap Subtotal Lauderdale Power Plant Subtotal TOTAL COST (CREDIT) PROJECT INDIRECTS (5%) CONTINGENGY (20%)	\$	1,832,000	2,002,000	\$ 5	·		\$ 27,909,000 \$ 27,909,000 \$ 1,395,000 \$ 5,582,000	\$ \$	(7,423, (7,423, (441,

¹ Asbestos removal estimates were provided by FPL and were not independently reviewed by BMcD.
² Site inventory costs and recoverable scrap of inventory estimates (10%) were provided by FPL and were not independently reviewed by BMcD.

Table A-5 Manatee Power Plant **Decommissioning Cost Summary**

		Labor	Material and Equipment	Disposal	Environmental	Total	Cost	Salvage
atee Power Plant								
Unit 1								
Boiler	\$	3,532,000		\$ -	\$ -		,391,000 \$	
Steam Turbine & Building	\$	1,274,000		\$ -	\$ -		,666,000 \$	
Precipitator	\$	931,000		\$ -	\$ -		,948,000 \$	
Stack	\$	189,000		\$ -	\$ -	\$	395,000 \$	-
GSU & Foundation	\$	63,000	\$ 69,000	\$ 67,000	\$ -	\$	199,000 \$	-
On-site Concrete Crushing & Disposal	\$	-	\$ -	\$ 289,000	\$ -	\$	289,000 \$	-
Debris	\$		\$ -	\$ 52,000	\$ -	\$	52,000 \$	
Scrap	\$	-	\$ -	\$ -	\$ -	\$	- \$	(5,313,00
Subtotal	\$	5,989,000	\$ 6,543,000	\$ 408,000	\$ -	\$ 12	,940,000 \$	(5,313,00
11-110								
Unit 2 Boiler	\$	3,532,000	\$ 3,859,000	\$ -	\$ -	\$ 7	,391,000 \$	
Steam Turbine & Building	\$		\$ 1,392,000	\$ -	\$ -		.666.000 \$	
Precipitator	\$	931,000		\$ -	\$ -		,948,000 \$	
Stack	\$	189,000		\$ -	\$ -	\$	395,000 \$	
	\$							
GSU & Foundation		63,000		\$ 67,000	\$ -	\$	199,000 \$	
On-site Concrete Crushing & Disposal	\$		\$ -	\$ 289,000	\$ -	\$	289,000 \$	
Debris	\$		\$ -	\$ 52,000	\$ -	\$	52,000 \$	
Scrap Subtotal	\$	5,989,000	\$ 6,543,000	\$ 408,000	\$ - \$ -	\$ \$ 12	- \$,940,000 \$	(-,,-
Subtotal	ş	5,969,000	\$ 6,543,000	\$ 400,000	-	3 12	,940,000 \$	(5,313,00
Unit 3								
GTs and HRSGs	\$	2,967,000	\$ 3,242,000	\$ -	\$ -	\$ 6	,209,000 \$	-
Steam Turbine & Pedestal	\$		\$ 1,095,000	\$ -	\$ -		,097,000 \$	
SCR	\$		\$ 106,000	\$ -	\$ -	\$	203,000 \$	
GSU & Electrical	\$	236,000		\$ 57,000	\$ -	\$	551,000 \$	
Stack	\$	116,000		\$ -	\$ -	\$	243,000 \$	
On-site Concrete Crushing & Disposal	\$		\$ -	\$ 174,000	\$ -	\$	174,000 \$	
Scrap	\$		\$ -	\$ -	\$ -	\$	- \$	
Subtotal	\$		\$ 4,828,000	\$ 231,000	\$ -	Ŧ	,477,000 \$	
		, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,,,,,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Common Facilities								
Asbestos Removal ¹	\$		\$ -	\$ -	\$ 15,000	\$	15,000 \$	
Cooling Water Intakes and Circulating Water Pumps	\$	625,000	\$ 682,000	\$ -	\$ -	\$ 1	,307,000 \$	-
Roads	\$	389,000	\$ 425,000	\$ 426,000	\$ -	\$ 1	,240,000 \$	-
All BOP Buildings	\$	768,000	\$ 839,000	\$ -	\$ -	\$ 1	,607,000 \$	-
Fuel Oil Storage Tanks	\$	412,000	\$ 450,000	\$ -	\$ -	\$	862,000 \$	-
All Other Tanks	\$	58,000	\$ 64,000	\$ -	\$ -	\$	122,000 \$	-
Contaminated Soil Removal ²	\$		\$ -	\$ -	\$ 1,004,000	\$ 1	,004,000 \$	_
Fuel Oil Storage Tank Cleaning	\$		\$ -	\$ -	\$ 6,937,000		,937,000 \$	
	\$		φ - \$ -	\$ -				
Fuel Oil Line Flushing/Cleaning	\$							
Settling Pond Closure	-		\$ -	\$ -	\$ 484,000		484,000 \$	
Cooling Pond Closure	\$		\$ -	\$ -	\$ -	\$	- \$	
On-site Concrete Crushing & Disposal	\$		\$ -	\$ 127,000	\$ -	\$	127,000 \$	
Seeding and Grading	\$		\$ -	\$ -	\$ 344,000	\$	344,000 \$	
Debris	\$		\$ -	\$ 3,000	\$ -	\$	3,000 \$	
Scrap	\$		\$ -	\$ -	\$ -	\$	- \$	(000,0
Subtotal	\$	2,252,000	\$ 2,460,000	\$ 556,000	\$ 15,818,000	\$ 21	,086,000 \$	(505,0
Manatee Power Plant Subtotal	\$	18,648,000	\$ 20,374,000	\$ 1,603,000	\$ 15,818,000	\$ 56	,443,000 \$	(16,040,0
TOTAL COST (CREDIT)						\$ 56	,443,000 \$	(16,040
								(10,010,
PROJECT INDIRECTS (5%)						\$ 2	,822,000	
CONTINGENGY (20%)						\$ 11	,289,000	
SITE INVENTORY COST (CREDIT) ³						\$ 3	,235,541 \$	(323,5
TOTAL PROJECT COST (CREDIT)						\$ 73	,789,541 \$	(16,363,5
TOTAL NET PROJECT COST (CREDIT)						\$ 57	,425,987	

Asbestos removal estimates were provided by FPL and were not independently reviewed by BMcD.
 As provided by FPL's from estimates prepared by their Environmental Group based on areas of known soil contamination that will require remediation at the time of project dismantlement.
 Site inventory costs and recoverable scrap of inventory estimates (10%) were provided by FPL and were not independently reviewed by BMcD.

Table A-6 Martin Energy Center Decommissioning Cost Summary

	Dec	ommissionii	ng Cost Summa	ry				
		Labor	Material and Equipment	Disp	posal	Environmental	Total Cost	Salvage
Energy Center								
nit 1 Boiler	\$	3,553,000	\$ 3,882,000	S	_	\$ -	\$ 7,435,000 \$	
Steam Turbine & Building	\$	1,482,000	\$ 1,619,000	\$	-		\$ 3,101,000 \$	
Precipitator	\$	931,000	\$ 1,017,000	\$	-	\$ -	\$ 1,948,000 \$	
Stack	\$	189,000	\$ 206,000	\$	-		\$ 395,000 \$	
GSU & Foundation On-site Concrete Crushing & Disposal	\$ \$	53,000	\$ 58,000 \$ -	\$ \$			\$ 177,000 \$ \$ 311,000 \$	
Debris	\$	-	\$ -	\$			\$ 52,000 \$	
Scrap	\$	-	\$ -	\$	-		\$ - \$	
Subtotal	\$	6,208,000	\$ 6,782,000	\$	429,000	\$ -	\$ 13,419,000 \$	(6,369
Init 2	<u>-</u>							
Boiler	\$	3,553,000			-		\$ 7,435,000 \$	
Steam Turbine & Building	\$	1,482,000	\$ 1,619,000	\$	-		\$ 3,101,000 \$	
Precipitator	\$ \$	931,000	\$ 1,017,000	\$	-		\$ 1,948,000 \$	
Stack GSU & Foundation	\$	189,000 53,000	\$ 206,000 \$ 58,000	\$ \$	66,000		\$ 395,000 \$ \$ 177,000 \$	
On-site Concrete Crushing & Disposal	\$	-	\$ -				\$ 311,000 \$	
Debris	\$	-	\$ -	\$		\$ -	\$ 52,000 \$	
Scrap	\$	-	\$ -	\$	-		\$ - \$	
Subtotal	\$	6,208,000	\$ 6,782,000	\$	429,000	\$ -	\$ 13,419,000 \$	(6,369
Init 3								
GTs and HRSGs	\$	1,381,000	\$ 1,509,000	\$	-		\$ 2,890,000 \$	
Steam Turbine & Pedestal	\$	420,000	\$ 459,000	\$	-		\$ 879,000 \$	
SCR GSU & Electrical	\$ \$	48,000 120,000	\$ 53,000 \$ 132,000	\$ \$	26,000		\$ 101,000 \$ \$ 278,000 \$	
Stack	\$	62,000	\$ 67,000	\$	-		\$ 129,000 \$	
On-site Concrete Crushing & Disposal	\$	-	\$ -	\$	90,000	\$ -	\$ 90,000 \$	
Debris	\$	-	\$ -	\$	-		\$ - \$	
Scrap	\$		\$ -	\$	116.000		\$ - \$ \$ 4.367.000 \$	
Subtotal	\$	2,031,000	\$ 2,220,000	\$	116,000	\$ -	\$ 4,367,000 \$	(2,508
Init 4 GTs and HRSGs	\$	1,378,000	\$ 1,506,000	\$		\$ -	\$ 2,884,000 \$	
Steam Turbine & Pedestal	\$	406,000	\$ 443,000	\$	-		\$ 2,864,000 \$	
SCR	\$	48,000	\$ 53,000	\$	_		\$ 101,000 \$	
GSU & Electrical	\$	107,000	\$ 117,000	\$	21,000		\$ 245,000 \$	
Stack	\$	62,000	\$ 67,000	\$	-		\$ 129,000 \$	
On-site Concrete Crushing & Disposal	\$	-	\$ -	\$	90,000		\$ 90,000 \$	
Debris	\$ \$	-	\$ -	\$ \$	-		\$ - \$ \$ - \$	
Scrap Subtotal	\$	2,001,000	\$ 2,186,000		111,000		\$ - \$ \$ 4,298,000 \$	
Init 8	<u> </u>	2,001,000	ψ 2,100,000	•	111,000	<u> </u>	4,250,000 \$	(2,410
GTs and HRSGs	\$	2,971,000	\$ 3,246,000	\$	_	\$ -	\$ 6,217,000 \$	
Steam Turbine & Pedestal	\$	887,000	\$ 970,000	\$	_		\$ 1,857,000 \$	
SCR	\$	97,000	\$ 106,000	\$	-	\$ -	\$ 203,000 \$	
GSU & Electrical	\$	174,000	\$ 190,000	\$	53,000		\$ 417,000 \$	
Stack	\$ \$	116,000	\$ 127,000 \$ 262,000	\$ \$	-		\$ 243,000 \$ \$ 502,000 \$	
Cooling Tower and Basin On-site Concrete Crushing & Disposal	\$ \$	240,000	\$ 262,000 \$ -		232,000		\$ 502,000 \$ \$ 232,000 \$	
Debris	\$	_	\$ -	\$			\$ 14,000 \$	
Scrap	\$	-	\$ -	\$	-	\$ -	\$ - \$	(5,231
Subtotal	\$	4,485,000	\$ 4,901,000	\$	299,000	\$ -	\$ 9,685,000 \$	(5,231
SCC								
Mirrors and Frames	\$	4,151,000	\$ 4,535,000	\$	-		\$ 8,686,000 \$	
Hazardous Waste Disposal	\$	-	\$ -				\$ 1,160,000 \$	
On-site Concrete Crushing & Disposal Debris	\$ \$	-	\$ - \$ -		278,000 205,000		\$ 278,000 \$ \$ 205,000 \$	
Scrap	\$	-	\$ -	ş S	205,000		\$ 205,000 \$	
Subtotal	\$	4,151,000	\$ 4,535,000	\$ 1,	,643,000		\$ 10,329,000 \$	(/ /
common					_			
Asbestos Removal ¹	\$	-	\$ -	\$	_	\$ 241,000	\$ 241,000 \$	
Switchyard and Substation	\$	21,000	\$ 23,000				\$ 68,000 \$	
Cooling Water Intakes and Circulating Water Pumps	\$	1,188,000	\$ 1,298,000	\$	-		\$ 2,486,000 \$	
Roads	\$	959,000			,052,000		\$ 3,059,000 \$	
All BOP Buildings	\$		\$ 1,260,000		-		\$ 2,414,000 \$	
Fuel Oil Storage Tanks All Other Tanks	\$ \$	2,001,000 72,000	\$ 2,187,000 \$ 78,000	\$ \$	-		\$ 4,188,000 \$ \$ 150,000 \$	
Contaminated Soil Removal	\$	-	\$ 78,000	\$	-		\$ 619,000 \$	
Fuel Oil Storage Tank Cleaning	\$	-	\$ -	\$	-		\$ 7,444,000 \$	
Fuel Oil Line Flushing/Cleaning	\$	-	\$ -	\$	-	\$ 4,537,000	\$ 4,537,000 \$	
Settling Pond Closure	\$	-	\$ -	\$	-		\$ 2,676,000 \$	
On-site Concrete Crushing & Disposal	\$	-	\$ -				\$ 365,000 \$	
Seeding and Grading Debris	\$ \$	-	\$ - \$ -	\$ \$	5,000		\$ 886,000 \$ \$ 5,000 \$	
Scrap	\$	-	\$ -	\$	-		\$ 5,000 \$	
Subtotal	\$	5,395,000	\$ 5,894,000		,446,000		\$ 29,138,000 \$	
artin Energy Center Subtetal	\$	30,479,000	\$ 33,300,000	\$ 4	,473,000	\$ 16,403,000	\$ 84 655 000 €	
artin Energy Center Subtotal	3	30,478,000	ψ 33,300,000	φ 4,	,-13,000			
OTAL COST (CREDIT)							\$ 84,655,000 \$	(25,427
ROJECT INDIRECTS (5%)							\$ 4,233,000	
ONTINGENGY (20%)							\$ 16,931,000	
							\$ 7,775,115 \$	(777
ITE INVENTORY COST (CREDIT) ²								
ITE INVENTORY COST (CREDIT) ² OTAL PROJECT COST (CREDIT)							\$ 113,594,115 \$	(26,204

Asbestos removal estimates were provided by FPL and were not independently reviewed by BMcD.
 Site inventory costs and recoverable scrap of inventory estimates (10%) were provided by FPL and were not independently reviewed by BMcD.

Table A-7 Port Everglades Power Plant Decommissioning Cost Summary

	Labor	Material and Equipment		Disposal	Environmental		Total Cost		Salvage
Everglades Power Plant									
Unit 5									
GTs and HRSGs	\$ 2,646,000			-	\$ -	\$	5,537,000	\$	-
Steam Turbine & Pedestal	\$ 1,116,000	\$ 1,219,000	\$	-	\$ -	\$	2,335,000	\$	-
SCR	\$ 135,000			-	\$ -	\$	282,000	\$	-
GSU & Electrical	\$. ,	\$ 208,000		79,000	\$ -	\$	478,000	\$	-
Stack	\$ 95,000	\$ 103,000	\$	-	\$ -	\$	198,000	\$	-
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$	179,000	\$ -	\$	179,000	\$	-
Scrap	\$ -	\$ -	\$	-	\$ -	\$	-	\$	(4,986,000
Subtotal	\$ 4,183,000	\$ 4,568,000	\$	258,000	\$ -	\$	9,009,000	\$	(4,986,000
GTs 1-12									
Turbines & Foundations	\$ 1,377,000	\$ 1,504,000	\$	_	\$ -	\$	2,881,000	\$	_
GSUs	\$	\$ 82,000		12.000	\$ -	\$	169,000	\$	_
On-site Concrete Crushing & Disposal	\$	\$ -	\$		\$ -	\$	96,000	\$	_
Scrap	\$	\$ -	\$,	\$ -	\$		\$	(1,931,000
Subtotal	\$ 1,452,000	\$ 1,586,000	_	108,000	\$ -	\$	3,146,000	\$	(1,931,000
Common									
Auxiliary, Switchyard and Substation	\$ 67,000	\$ 73,000	\$	51,000	\$ -	\$	191,000	\$	
Cooling Water Intakes and Circulating Water Pumps	\$ 144,000			51,000	\$ -	\$	301,000	\$	-
Roads	\$ 124,000			136,000	\$ -	\$	395,000	\$	-
All BOP Buildings	\$			130,000	\$ -	\$			-
	-,			-			230,000	\$	-
Fuel Oil Storage Tanks	\$ 521,000			-	\$ -	\$	1,091,000	\$	-
All Other Tanks	\$	\$ 125,000		-	\$ -	\$	240,000	\$	-
Contaminated Soil Removal	\$ -	\$ -	\$	-	\$ 147,000	\$	147,000	\$	-
Fuel Oil Storage Tank Cleaning	\$ -	\$ -	\$	-	\$ 1,488,000		1,488,000	\$	-
Fuel Oil Line Flushing/Cleaning	\$ -	\$ -	\$	-	\$ 288,000	\$	288,000	\$	-
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$	66,000	\$ -	\$	66,000	\$	-
Seeding and Grading	\$ -	\$ -	\$	-	\$ 228,000	\$	228,000	\$	-
Debris	\$ -	\$ -	\$	5,000	\$ -	\$	5,000	\$	-
Scrap	\$ -	\$ -	\$	-	\$ -	\$	-	\$	(377,000
Subtotal	\$ 1,081,000	\$ 1,180,000	\$	258,000	\$ 2,151,000	\$	4,670,000	\$	(377,000
Port Everglades Subtotal	\$ 6,716,000	\$ 7,334,000	\$	624,000	\$ 2,151,000	\$	16,825,000	\$	(7,294,000
Port Evergiades Subtotal	\$ 6,716,000	\$ 7,334,000	Þ	624,000	\$ 2,151,000	ð	16,625,000	Þ	(7,294,000
TOTAL COST (CREDIT)						\$	16,825,000	\$	(7,294,000
PROJECT INDIRECTS (5%)						\$	841,000		
CONTINGENGY (20%)						\$	3,365,000		
SITE INVENTORY COST (CREDIT) ¹						\$	230,928	\$	(23,093
TOTAL PROJECT COST (CREDIT)						\$	21,261,928	\$	(7,317,093
TOTAL NET PROJECT COST (CREDIT)						\$	13,944,835		• • •
TOTAL NET PROJECT COST (CREDIT)						Ψ	13,344,033		

¹ Site inventory costs and recoverable scrap of inventory estimates (10%) were provided by FPL and were not independently reviewed by BMcD.

Table A-8 Riviera Beach Power Plant Decommissioning Cost Summary

			М	aterial and								
		Labor	E	quipment		Disposal	En	vironmental		Total Cost		Salvage
riera Beach Power Plant												
Unit 5												
GTs and HRSGs	\$	2,670,000		2,917,000	\$	-	\$	-	\$	5,587,000		-
Steam Turbine & Pedestal	\$	1,124,000		1,229,000	\$	-	\$	-	\$	2,353,000	\$	-
SCR	\$	135,000		147,000	\$	-	\$	-	\$	282,000	\$	-
GSU & Electrical	\$	181,000	\$	197,000	\$	41,000	\$	-	\$	419,000	\$	-
Stack	\$	95,000	\$	103,000	\$	-	\$	-	\$	198,000	\$	
Cooling Tower and Basin	\$	-	\$	-	\$	-	\$	-	\$	-	\$	
On-site Concrete Crushing & Disposal	\$	-	\$	-	\$	180,000	\$	-	\$	180,000	\$	
Scrap	\$	-	\$	-	\$	-	\$	-	\$	-	\$	(4,024,0
Subtotal	\$	4,205,000	\$	4,593,000	\$	221,000	\$		\$	9,019,000	\$	(4,024,0
Common												
Auxiliary, Switchyard and Substation	\$	20.000	\$	22,000	\$	_	\$	_	\$	42,000	\$	_
Cooling Water Intakes and Circulating Water Pumps	\$	58,000	\$	63,000		_	\$	_	\$	121,000		-
Roads	\$	126,000	\$	138,000	\$	138,000	\$	_	\$	402,000	\$	
All BOP Buildings	S	508,000		555,000	\$	-	\$	_	\$	1,063,000	\$	
Fuel Oil Storage Tanks	S	104,000		114,000	\$	_	S	_	\$			
All Other Tanks	\$	112.000	\$	122,000	\$	_	\$		\$			
Contaminated Soil Removal	\$	112,000	\$	122,000	\$	_	\$	101,000	\$	101,000	\$	
Fuel Oil Storage Tank Cleaning	\$		\$		\$	_	\$		\$	1,504,000	\$	
Fuel Oil Line Flushing/Cleaning	\$		\$		\$	_	\$	144,000	\$	144,000	\$	
On-site Concrete Crushing & Disposal	\$		\$		\$	51.000	\$	144,000	\$	51.000	\$	
Seeding and Grading	\$	-	\$	-	\$	51,000	\$	164,000	\$	164,000	\$	
Debris	\$	-	\$	-	\$	1,000	\$	104,000	\$	1,000	\$	
Scrap	\$ \$	-	\$	-	\$	1,000	\$	-	\$		\$	(246.0
Subtotal	\$	928,000	\$	1,014,000	\$	190,000	\$	1,913,000	\$	4,045,000	_	(246,0
Subtotal	\$	928,000	Þ	1,014,000	Þ	190,000	Þ	1,913,000	Þ	4,045,000	•	(246,0
Riviera Beach Power Plant Subtotal	\$	5,133,000	\$	5,607,000	\$	411,000	S	1,913,000	\$	13,064,000	\$	(4,270,0
TOTAL COST (CREDIT)		., ,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,		, , , , , , , , , , , , , , , , , , , ,	\$	13,064,000		(4,270,0
											ş	(4,270,0
PROJECT INDIRECTS (5%)									\$	653,000		
CONTINGENGY (20%)									\$	2,613,000		
SITE INVENTORY COST (CREDIT) ¹									\$	1,170,262	\$	(117,0
TOTAL PROJECT COST (CREDIT)									\$	17,500,262	\$	(4,387,
TOTAL NET PROJECT COST (CREDIT)									\$	13,113,236		
									Ŧ	,,_00		

¹ Site inventory costs and recoverable scrap of inventory estimates (10%) were provided by FPL and were not independently reviewed by BMcD.

Table A-9 St. Johns River Power Plant Decommissioning Cost Summary

		Labor	Material and Equipment		Disposal	Er	nvironmental		Total Cost		Salvage
ohns River Power Plant					•						
Unit 1											
Boiler	\$	3,620,000	\$ 3,955,000	\$	-	\$	-	\$	7,575,000	\$	
Steam Turbine & Building	\$	1,518,000	\$ 1,659,000	\$	-	\$	-	\$	3,177,000	\$	
Precipitator	\$	1,283,000	\$ 1,402,000	\$	-	\$	-	\$	2,685,000	\$	
SCR/FGD	\$	1,059,000	\$ 1,157,000	\$	-	\$	-	\$	2,216,000	\$	
Scrubbers	\$	219,000	\$ 240,000	\$	-	\$	-	\$	459,000	\$	
Stack	\$	79,000	\$ 86,000	\$	-	\$	-	\$	165,000	\$	
Cooling Tower & Basins	\$	244,000	\$ 267,000	\$		\$	-	\$	511,000	\$	
GSU & Foundation	\$	143,000	\$ 156,000	\$	78,000	\$	-	\$	377,000	\$	
On-site Concrete Crushing & Disposal	\$	-	\$ -	\$	534,000	\$	-	\$	534,000	\$	
Debris	\$	-	\$ -	\$	24,000	\$	-	\$	24,000	\$	
Scrap	\$		\$ 	\$		\$		\$		\$	(5,45
Subtotal	\$	8,165,000	\$ 8,922,000	\$	636,000	\$	-	\$	17,723,000	\$	(5,45
Unit 2											
Boiler	\$	3.620.000	\$ 3,955,000	\$	_	\$	_	\$	7,575,000	\$	
Steam Turbine & Building	\$	1,518,000	\$ 1,659,000	\$	_	\$	_	\$	3,177,000	\$	
Precipitator	\$	1,283,000	\$ 1,402,000	\$	_	\$	_	\$	2,685,000	\$	
SCR/FGD	\$	1,059,000	\$ 1,157,000	\$		\$		\$	2,216,000	\$	
Scrubbers	\$	219,000	\$ 240,000	\$	_	\$	_	\$	459,000	\$	
Stack	\$	79,000	\$ 86,000	\$	_	\$	_	\$	165,000	\$	
Cooling Tower & Basins	\$	244,000	\$ 267,000	\$	_	\$	_	\$	511,000	\$	
GSU & Foundation	\$	143,000	\$ 156,000	\$	78,000	\$	-	\$	377,000	\$	
On-site Concrete Crushing & Disposal	\$	140,000	\$ 100,000	\$	534,000	\$		\$	534,000	\$	
Debris	\$	_	\$ _	\$		\$		\$	24,000	\$	
Scrap	\$	_	\$ _	\$,550	\$	_	\$		\$	(5,45
Subtotal	\$	8,165,000	\$ 8,922,000	\$	636,000	\$		\$	17,723,000	\$	(5,45
	-										
Handling											
Demolition	\$	1,613,000	\$ 1,762,000	\$	-	\$	-	\$	3,375,000	\$	
Limestone Handling Facilities	\$	555,000	\$ 606,000	\$	-	\$	-	\$	1,161,000	\$	
On-site Concrete Crushing & Disposal	\$	-	\$ -	\$	134,000	\$	-	\$	134,000	\$	
Debris	\$	-	\$ -	\$	23,000	\$	-	\$	23,000	\$	
Scrap	\$	-	\$ -	\$	-	\$	-	\$	-	\$	(64
Subtotal	\$	2,168,000	\$ 2,368,000	\$	157,000	\$	•	\$	4,693,000	\$	(64
Common											
Auxiliary, Switchyard and Substation	\$	40,000	\$ 44,000	\$	34,000	\$		\$	118,000	\$	
Cooling Water Intakes and Circulating Water Pumps	\$	127,000	\$ 138,000	\$	0-1,000	\$		\$	265,000	\$	
Roads	\$	778,000	\$ 850,000	\$	854,000	\$		\$	2,482,000	\$	
All BOP Buildings	\$	1,092,000	\$ 1,193,000	\$	-	\$		\$	2,285,000	\$	
Fuel Oil Storage Tanks	\$	89,000	\$ 98,000	\$	_	\$		\$	187,000	\$	
All Other Tanks	\$	91,000	\$ 99,000	\$		\$		\$	190,000	\$	
		31,000	33,000			-	170.000				
Contaminated Soil Removal	\$	-	\$ -	\$	-	\$		\$	178,000	\$	
Fuel Oil Storage Tank Cleaning	\$	-	\$ -	\$	-	\$		\$	92,000	\$	
Fuel Oil Line Flushing/Cleaning	\$	-	\$ -	\$	-	\$		\$	381,000	\$	
Plant Washdown & Materials Disposal	\$	-	\$ -	\$	-	\$		\$	313,000	\$	
Closure of Ash Landfill	\$	-	\$ -	\$	-	\$		\$	44,550,000	\$	
Closure of Stormwater and Westeruster Rends	\$	-	\$ -	\$	-	\$		\$	153,000	\$	
Closure of Stormwater and Wastewater Ponds	\$	-	\$ -	\$	-	\$		\$	733,000	\$	
Closure of Other Ponds	\$	-	\$ -	\$	-	\$		\$	2,156,000	\$	
Groundwater Monitoring Installation	\$	-	\$ -	\$		\$	388,000	\$	388,000	\$	
On-site Concrete Crushing & Disposal	\$	-	\$ -	\$	105,000	\$		\$	105,000	\$	
Seeding and Grading	\$	-	\$ -	\$		\$	959,000	\$	959,000	\$	
Debris	\$	-	\$ -	\$	6,000	\$	-	\$	6,000	\$	
Scrap	\$	-	\$ -	\$	-	\$	-	\$	-	\$	(49)
Subtotal	\$	2,217,000	\$ 2,422,000	\$	999,000	\$	49,903,000	\$	55,541,000	\$	(49)
				•			49,903,000	¢	95,680,000	s	(11,47
St. Johns River Power Plant Subtotal	\$	20,715,000	\$ 22,634,000	Þ	2,428,000	Þ	.,,.	Ψ	, ,	•	• •
St. Johns River Power Plant Subtotal TOTAL COST (CREDIT)	\$	20,715,000	\$ 22,634,000	Þ	2,428,000	Þ		\$	95,680,000		
TOTAL COST (CREDIT)	\$	20,715,000	\$ 22,634,000	Þ	2,428,000	•		\$			(11,47
TOTAL COST (CREDIT) PROJECT INDIRECTS (5%)	\$	20,715,000	\$ 22,634,000	P	2,428,000	•		\$ \$	95,680,000 4,784,000		
TOTAL COST (CREDIT)	\$	20,715,000	\$ 22,634,000	P	2,428,000	\$		\$	95,680,000	\$	

¹ As provided by FPL's from estimates prepared by their Environmental Group based on areas of known soil contamination that will require remediation at the time of project dismantlement.

Table A-10 Sanford Energy Center **Decommissioning Cost Summary**

				Material and							
		Labor		Equipment		Disposal	Environmental		Total Cost		Salvage
ford Energy Center											
Unit 4			_		_		_	_			
GTs and HRSGs	\$	2,739,000			\$	-	\$ -	\$	-, -, -, -, -, -, -, -, -, -, -, -, -, -	\$	-
Steam Turbine & Pedestal	\$	925,000	\$	1,010,000	\$	-	\$ -	\$	1,935,000	\$	
SCR	\$	97,000	\$	106,000	\$	-	\$ -	\$	203,000	\$	
GSU & Electrical	\$	154,000	\$	168,000	\$	37,000	\$ -	\$	359,000	\$	
Stack	\$	116,000	\$	127,000	\$	-	\$ -	\$	243,000	\$	
Cooling Tower	\$	18,000	\$	20,000	\$	-	\$ -	\$	38,000	\$	
On-site Concrete Crushing & Disposal	\$	-	\$	-	\$	180,000	\$ -	\$	180,000	\$	
Scrap	\$	-	\$	-	\$	-	\$ -	\$	-	\$	(4,248,0
Subtotal	\$	4,049,000	\$	4,423,000	\$	217,000	\$ -	\$	8,689,000	\$	(4,248,
Unit 5											
GTs and HRSGs		0.700.000	•	0.000.000			•	•	F 704 000		
	\$	2,739,000		2,992,000	\$		\$ -	\$	5,731,000	\$	
Steam Turbine & Pedestal	\$	914,000		999,000	\$	-	\$ -	\$	1,913,000	\$	
SCR	\$	97,000	\$	106,000	\$	-	\$ -	\$	203,000	\$	
GSU & Electrical	\$	149,000	\$	163,000	\$	37,000	\$ -	\$	349,000	\$	
Stack	\$	116,000	\$	127,000	\$	-	\$ -	\$	243,000	\$	
Cooling Tower	\$	18,000	\$	20,000	\$	-	\$ -	\$	38,000	\$	
On-site Concrete Crushing & Disposal	\$	-	\$	-	\$	180,000	\$ -	\$	180,000	\$	
Scrap	\$	-	\$	-	\$	-	\$ -	\$	-	\$	(4,235,
Subtotal	\$	4,033,000	\$	4,407,000	\$	217,000	\$ -	\$	8,657,000	\$	(4,235,
Common											
			_		_			_		_	
Asbestos Removal ¹	\$		\$		\$		\$ 50,000	\$	50,000	\$	
Switchyard and Substation	\$	25,000	\$		\$	35,000	\$ -	\$	87,000	\$	
Cooling Water Intakes and Circulating Water Pumps	\$	34,000	\$	37,000	\$	-	\$ -	\$	71,000	\$	
Roads	\$	422,000	\$	461,000	\$	463,000	\$ -	\$	1,346,000	\$	
All BOP Buildings	\$	166,000	\$	182,000	\$	-	\$ -	\$	348,000	\$	
Fuel Oil Storage Tanks	\$	329,000	\$	359,000	\$	-	\$ -	\$	688,000	\$	
All Other Tanks	\$	45,000	\$	49,000	\$	_	\$ -	\$	94,000	\$	
Contaminated Soil Removal	\$	_	\$	_	\$	_	\$ 167,000	\$		\$	
Fuel Oil Storage Tank Cleaning	\$	_	\$		\$		\$ 2,566,000	\$	2,566,000	\$	
Fuel Oil Line Flushing/Cleaning	\$		\$		\$		\$ 282,000	\$	282,000	\$	
Settling Pond Closure	\$	_	\$	_	\$		\$ 244,000	\$	244,000	\$	
	\$ \$	-	\$	-	ş S		\$ 244,000	\$			
On-site Concrete Crushing & Disposal		-	-	-	-	26,000			26,000	\$	
Seeding and Grading	\$	-	\$	-	\$		\$ 351,000	\$	351,000	\$	
Debris	\$	-	\$	-	\$		\$ -	\$	2,000	\$	
Scrap	\$	-	\$	-	\$	-	\$ -	\$	-	\$	(375,
Subtotal	\$	1,021,000	\$	1,115,000	\$	526,000	\$ 3,660,000	\$	6,322,000	\$	(375,
2.5.15		0.400.000	•	2245	_			•	22 222 222	•	(2.252
Sanford Energy Center Subtotal	\$	9,103,000	\$	9,945,000	\$	960,000	\$ 3,660,000	\$	23,668,000	\$	(8,858
TOTAL COST (CREDIT)						·		\$	23,668,000		(8,
PROJECT INDIRECTS (5%)								\$	1,183,000		
CONTINGENGY (20%)								\$	4,734,000		
SITE INVENTORY COST (CREDIT) ²								\$	1,859,119	s	(185
•											•
TOTAL PROJECT COST (CREDIT)								\$	31,444,119	Þ	(9,043
TOTAL NET PROJECT COST (CREDIT)								\$	22,400,207		

Asbestos removal estimates were provided by FPL and were not independently reviewed by BMcD.
 Site inventory costs and recoverable scrap of inventory estimates (10%) were provided by FPL and were not independently reviewed by BMcD.

Table A-11 Scherer Power Plant Decommissioning Cost Summary

					. .	_					
	Labor	- 1	Equipment		Disposal	E	nvironmental		Total Cost		Salvage
		_						_		_	
					-	-					
					-						
					-						
	, ,				-	-		-			
\$	286,000	\$	379,000	\$	-	\$	-	\$	665,000	\$	
\$	339,000	\$	449,000	\$	-	\$	-	\$	788,000	\$	
\$	174,000	\$	231.000	S	_	\$	_	\$	405.000	\$	
S	210.000	\$	278.000	s	_	\$	_	\$	488.000	\$	
					66 000	\$		\$		\$	
	07,000										
	_		_								
	-		-		37,000				37,000		(7.07.4
		_		Ψ		Ÿ		Ψ		Ψ	(7,274
\$	9,243,000	\$	12,239,000	\$	905,000	\$	-	\$	22,387,000	\$	(7,274
6	1 004 000	¢.	1 220 000	6		6		¢.	2 222 000	e	
					-						
	212,000		280,000								
	-		-					-		-	
\$	-		-	\$	70,000	\$			70,000	\$	
\$	-	\$	-	\$	-	\$	-	\$	-	\$	(897
\$	1,216,000	\$	1,609,000	\$	103,000	\$	-	\$	2,928,000	\$	(897
		_		_		_		_			
\$	164,000	\$	217,000	\$	62,000	\$	-	\$	443,000	\$	
\$	_	\$	_	\$	_	\$	14.571.000	\$	14.571.000	\$	
\$	173 000	s	229 000	s	_	s		S		s	
					1 506 000						
					1,000,000						
					-						
					-	-				-	
	153,000		202,000		-	-		-			
	-		-		-						
\$	-		-	\$	-	\$			119,000	\$	
\$	-	\$	-	\$	-	\$	1,200,000	\$	1,200,000	\$	
\$	-	\$	-	\$	-	\$	248,000	\$	248,000	\$	
\$	_	\$	_	S	_	\$	107.992.000	\$	107.992.000	\$	
			_		_						
-		Ψ		-						-	
-	_	-	-	-	-	-					
-	-	-	-		170.000					-	
-	-	-	-		172,000						
\$	-	\$	-	\$		-		\$	2,097,000	\$	
				\$	7,000	\$		\$	7,000	\$	
\$	-	\$	-		7,000						(1,458
\$	-	\$	-	\$	-	\$		\$		\$	
	2,855,000		3,779,000		1,747,000	\$		\$ \$	139,128,000	\$	(1,458
\$	2,855,000	\$	3,779,000	\$	-	-		Τ	139,128,000	-	
	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 1,564,000 \$ 503,000 \$ 1,590,000 \$ 286,000 \$ 339,000 \$ 174,000 \$ 210,000 \$ 57,000 \$ - \$ - \$ - \$ 9,243,000 \$ 1,004,000 \$ 212,000 \$ 1,216,000 \$ 1,733,000 \$ 1,733,000 \$ 1,133,000 \$ 1,133,0	\$ 1,564,000 \$ 503,000 \$ 1,590,000 \$ 286,000 \$ 339,000 \$ 174,000 \$ 57,000 \$ 57,000 \$ 5 7,000 \$ 5	\$ 1,564,000 \$ 2,071,000 \$ 503,000 \$ 666,000 \$ 1,590,000 \$ 2,106,000 \$ 379,000 \$ 339,000 \$ 449,000 \$ 174,000 \$ 278,000 \$ 57,000 \$ 75,000 \$	\$ 1,564,000 \$ 2,071,000 \$ 503,000 \$ 666,000 \$ \$ 1,590,000 \$ 2,106,000 \$ \$ 286,000 \$ 379,000 \$ \$ 339,000 \$ 449,000 \$ \$ 174,000 \$ 278,000 \$ \$ 270,000 \$ \$ 570,000 \$ 75,000 \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000 \$ \$ 75,000	\$ 1,564,000 \$ 2,071,000 \$ - \$ 503,000 \$ 666,000 \$ - \$ 1,590,000 \$ 2,106,000 \$ - \$ 286,000 \$ 379,000 \$ - \$ 339,000 \$ 449,000 \$ - \$ 278,000 \$ - \$ 278,000 \$ - \$ 57,000 \$ 75,000 \$ 66,000 \$ - \$ - \$ 802,000 \$ - \$ - \$ 37,000 \$ - \$ - \$ 30,000 \$ - \$ - \$ 30,000 \$ 1,004,000 \$ 1,329,000 \$ - \$ 212,000 \$ 280,000 \$ - \$ 212,000 \$ 280,000 \$ - \$ 1,216,000 \$ 1,609,000 \$ 103,000 \$ 1,133,000 \$ 1,500,000 \$ 1,506,000 \$ 1,133,000 \$ 1,415,000 \$ - \$ 1,133,000 \$ 1,415,000 \$ - \$ 153,000 \$ 216,000 \$ - \$ 153,000 \$ 216,000 \$ - \$ 1,069,000 \$ 1,415,000 \$ - \$ 153,000 \$ 216,000 \$ - \$ 1,069,000 \$ 1,415,000 \$ - \$ 1,069,000 \$ 1,415,000 \$ - \$ 1,069,000 \$ 1,415,000 \$ - \$ 1,069,000 \$ 1,500,000 \$ 1,506,000 \$ 1,069,000 \$ 1,415,000 \$ - \$ 1,069,000 \$ 1,06	\$ 1,564,000 \$ 2,071,000 \$ - \$ \$ 503,000 \$ 666,000 \$ - \$ \$ 1,590,000 \$ 2,106,000 \$ - \$ \$ 286,000 \$ 379,000 \$ - \$ \$ 339,000 \$ 449,000 \$ - \$ \$ 174,000 \$ 231,000 \$ - \$ \$ 278,000 \$ - \$ \$ 57,000 \$ 75,000 \$ 66,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$ - \$ - \$ 802,000 \$ \$	\$ 1,564,000 \$ 2,071,000 \$ - \$ - \$ - \$ 503,000 \$ 666,000 \$ - \$ - \$ - \$ - \$ - \$ 1,590,000 \$ 2,106,000 \$ - \$ - \$ - \$ - \$ - \$ - \$ 33,000 \$ 449,000 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,564,000 \$ 2,071,000 \$ - \$ - \$ - \$ \$	\$ 1,564,000 \$ 2,071,000 \$ - \$ - \$ 3,635,000 \$ 503,000 \$ 666,000 \$ - \$ - \$ - \$ 1,169,000 \$ 1,590,000 \$ 2,106,000 \$ - \$ - \$ - \$ 3,696,000 \$ 286,000 \$ 379,000 \$ - \$ - \$ - \$ 665,000 \$ 339,000 \$ 449,000 \$ - \$ - \$ - \$ 405,000 \$ 174,000 \$ 231,000 \$ - \$ - \$ - \$ 488,000 \$ 174,000 \$ 278,000 \$ - \$ - \$ - \$ 488,000 \$ 57,000 \$ 75,000 \$ 66,000 \$ - \$ 198,000 \$ 198,000 \$ - \$ 198,000 \$ 198,000 \$ - \$ 198,000 \$ 198,000 \$ - \$ 198,000 \$ 198,000 \$ - \$ 198,000 \$ 198,000 \$ 198,000 \$ - \$ 198,000 \$ 198,000 \$ 198,000 \$ - \$ 198,000	\$ 1,564,000 \$ 2,071,000 \$ - \$ - \$ 3,635,000 \$ \$ 503,000 \$ 2,106,000 \$ - \$ - \$ - \$ 1,169,000 \$ \$ 1,590,000 \$ 2,106,000 \$ - \$ - \$ - \$ 665,000 \$ \$ 286,000 \$ 379,000 \$ - \$ - \$ - \$ 665,000 \$ \$ 339,000 \$ 449,000 \$ - \$ - \$ - \$ 788,000 \$ \$ 174,000 \$ 231,000 \$ - \$ - \$ - \$ 405,000 \$ \$ \$ 210,000 \$ 278,000 \$ - \$ - \$ - \$ 488,000 \$ \$ 57,000 \$ 75,000 \$ 66,000 \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ - \$ 198,000 \$ \$ 1 1,239,000 \$ 12,239,000 \$ 12,239,000 \$ 12,239,000 \$ 12,239,000 \$ 12,239,000 \$ - \$ 12,239,000 \$ 13,239,000 \$

¹ Asbestos removal estimates were provided by FPL and were not independently reviewed by BMcD.

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Table A-12 Space Coast Next Generation Solar Energy Center Decommissioning Cost Summary

		Mater	ial and					
	Labor	Equi	oment	Disposal	Environmental		Total Cost	Salvage
ace Coast Next Generation Solar Energy Center								
Unit 1								
Demolition	\$ 226,000		338,000	-	\$ -	\$	564,000	-
Collector System	\$ 18,000		26,000	-	\$ -	\$	44,000	-
Project Buildings	\$ 2,000	\$	4,000	\$ -	\$ -	\$	6,000	-
Hazardous Material Disposal	\$ -	\$	-	\$ 157,000	-	\$	157,000	-
On-site Concrete Crushing & Disposal	\$ -	\$	-	\$ 10,000	\$ -	\$	10,000	-
Site Restoration	\$ -	\$	-	\$ -	\$ 120,000	\$	120,000	-
Debris	\$ -	\$	-	\$ 19,000	\$ -	\$	19,000	\$ -
Scrap	\$ -	\$	-	\$ -	\$ -	\$	-	\$ (289,00
Subtotal	\$ 246,000	\$	368,000	\$ 186,000	\$ 120,000	\$	920,000	\$ (289,00
Space Coast Next Generation Solar Energy Center Subtotal	\$ 246,000	\$	368,000	\$ 186,000	\$ 120,000	\$	920,000	\$ (289,0
TOTAL COST (CREDIT)						\$	920,000	\$ (289,00
						•	,	
PROJECT INDIRECTS (5%)						\$	46,000	
PROJECT INDIRECTS (5%) CONTINGENGY (20%)						\$	·	
							46,000	(289,00

50,939,556

Table A-13 **Turkey Point Power Plant Decommissioning Cost Summary**

		Labor	Material and Equipment	Disposal	Environmental	Total Cost		Salvage
ey Point Power Plant								
Unit 1								
Boiler	\$	5,038,000		\$ -	\$ -	\$ 9,733,00		
Steam Turbine & Building	\$	801,000		\$ -	\$ -	\$ 1,575,00		
Stack	\$	1,324,000		\$ -	\$ -	\$ 2,602,00		
GSU & Foundation	\$	33,000 \$		\$ 51,000	\$ -	\$ 116,00		
On-site Concrete Crushing & Disposal	\$	- 5	-	\$ 228,000	\$ -	\$ 228,00	0 \$	
Debris	\$	- 5	-	\$ 38,000	\$ -	\$ 38,00	0 \$	
Scrap	\$	- 5	-	\$ -	\$ -	\$ -	\$	(3,488,
Subtotal	\$	7,196,000	6,779,000	\$ 317,000	\$ -	\$ 14,292,00	0 \$	(3,488
Mark 0								
Unit 2		E 000 000	4 005 000	•		0.700.00		
Boiler	\$	5,038,000		\$ -	\$ -	\$ 9,733,00		
Steam Turbine & Building	\$	801,000		\$ -	\$ -	\$ 1,575,00		
Stack	\$	1,324,000		\$ -	\$ -	\$ 2,602,00		
GSU & Foundation	\$	33,000 \$	32,000	\$ 51,000	\$ -	\$ 116,00	0 \$	
On-site Concrete Crushing & Disposal	\$	- 5	-	\$ 228,000	\$ -	\$ 228,00	0 \$	
Debris	\$	- 5	-	\$ 38,000	\$ -	\$ 38,00	0 \$	
Scrap	\$	- 5	-	\$ -	\$ -	\$ -	\$	(3,488
Subtotal	\$	7,196,000	6,779,000	\$ 317,000	\$ -	\$ 14,292,00	0 \$	(3,488
H-9 F	-							
Unit 5		5047000		•		0.00:		
GTs and HRSGs	\$	5,017,000		\$ -	\$ -	\$ 9,861,00		
Steam Turbine & Pedestal	\$	1,001,000		\$ -	\$ -	\$ 1,967,00		
SCR	\$	216,000	209,000	\$ -	\$ -	\$ 425,00	0 \$	
GSU & Electrical	\$	153,000 \$	148,000	\$ 70,000	\$ -	\$ 371,00	0 \$	
Stack	\$	130,000 \$	125,000	\$ -	\$ -	\$ 255,00	0 \$	
Cooling Tower and Basin	\$	137,000	133,000	\$ -	\$ -	\$ 270,00	0 \$	
On-site Concrete Crushing & Disposal	\$	- 5		\$ 167,000	\$ -	\$ 167,00		
Debris	\$	- 5		\$ 107,000	\$ -	\$ -	\$	
Scrap	\$	- 5		\$ -	\$ -	\$ -	\$	(6,130
·								
Subtotal	\$	6,654,000	6,425,000	\$ 237,000	\$ -	\$ 13,316,00	0 \$	(6,130
Common								
Auxiliary, Switchyard and Substation	\$	14,000 \$	14,000	\$ 33,000	\$ -	\$ 61,00	0 \$	
Asbestos Removal ¹	\$	- 5	-	\$ -	\$ 859,000	\$ 859,00	0 \$	
Cooling Water Intakes and Circulating Water Pumps	\$	68,000		\$ -	\$ -	\$ 134,00		
Cooling Water Discharge Canal	\$	73,000		\$ -	\$ -	\$ 143,00		
Roads	\$	458,000		\$ 450,000	\$ -	\$ 1,350,00		
All BOP Buildings	\$	426,000 \$	411,000	\$ -	\$ -	\$ 837,00	0 \$	
First Oil Otenses Testes	\$	683,000 \$	659,000	\$ -	\$ -	\$ 1,342,00	0 \$	
Fuel Oil Storage Tanks								
	\$	85.000 9	82,000	S -	\$ -	\$ 167.00	0 \$	
All Other Tanks	\$	85,000		\$ - \$ -	\$ -	\$ 167,00		
All Other Tanks Contaminated Soil Removal	\$	- 5	-	\$ -	\$ 228,000	\$ 228,00	0 \$	
All Other Tanks Contaminated Soil Removal Fuel Oil Storage Tank Cleaning	\$	- 5		\$ - \$ -	\$ 228,000 \$ 2,151,000	\$ 228,000 \$ 2,151,000	0 \$	
All Other Tanks Contaminated Soil Removal Fuel Oil Storage Tank Cleaning Fuel Oil Line Flushing/Cleaning	\$ \$	- S	- 5 -	\$ - \$ - \$ -	\$ 228,000 \$ 2,151,000 \$ 60,000	\$ 228,000 \$ 2,151,000 \$ 60,000	0 \$ 0 \$ 0 \$	
All Other Tanks Contaminated Soil Removal Fuel Oil Storage Tank Cleaning Fuel Oil Line Flushing/Cleaning On-site Concrete Crushing & Disposal	\$ \$ \$	- 6 - 6 - 6	- - - -	\$ - \$ - \$ - \$ 93,000	\$ 228,000 \$ 2,151,000 \$ 60,000 \$ -	\$ 228,000 \$ 2,151,000 \$ 60,000 \$ 93,000	0 \$ 0 \$ 0 \$	
All Other Tanks Contaminated Soil Removal Fuel Oil Storage Tank Cleaning Fuel Oil Line Flushing/Cleaning	\$ \$	- S	- - - -	\$ - \$ - \$ -	\$ 228,000 \$ 2,151,000 \$ 60,000	\$ 228,000 \$ 2,151,000 \$ 60,000	0 \$ 0 \$ 0 \$	
All Other Tanks Contaminated Soil Removal Fuel Oil Storage Tank Cleaning Fuel Oil Line Flushing/Cleaning On-site Concrete Crushing & Disposal	\$ \$ \$	- 6 - 6 - 6	- - - - - -	\$ - \$ - \$ - \$ 93,000	\$ 228,000 \$ 2,151,000 \$ 60,000 \$ -	\$ 228,000 \$ 2,151,000 \$ 60,000 \$ 93,000	0 \$ 0 \$ 0 \$ 0 \$ 0 \$	
All Other Tanks Contaminated Soil Removal Fuel Oil Storage Tank Cleaning Fuel Oil Line Flushing/Cleaning On-site Concrete Crushing & Disposal Seeding and Grading Debris	\$ \$ \$ \$ \$	- S	- - - - - - - -	\$ - \$ - \$ - \$ 93,000 \$ -	\$ 228,000 \$ 2,151,000 \$ 60,000 \$ - \$ 293,000	\$ 228,000 \$ 2,151,000 \$ 60,000 \$ 93,000 \$ 293,000	0 \$ 0 \$ 0 \$ 0 \$ 0 \$	(312
All Other Tanks Contaminated Soil Removal Fuel Oil Storage Tank Cleaning Fuel Oil Line Flushing/Cleaning On-site Concrete Crushing & Disposal Seeding and Grading	\$ \$ \$ \$ \$ \$	- S	- 5 - 5 - 5 - 5 -	\$ - \$ - \$ - \$ 93,000 \$ - \$ 2,000	\$ 228,000 \$ 2,151,000 \$ 60,000 \$ - \$ 293,000 \$ -	\$ 228,000 \$ 2,151,000 \$ 60,000 \$ 93,000 \$ 293,000 \$ 2,000	0 \$ 0 \$ 0 \$ 0 \$ 0 \$	(312
All Other Tanks Contaminated Soil Removal Fuel Oil Storage Tank Cleaning Fuel Oil Line Flushing/Cleaning On-site Concrete Crushing & Disposal Seeding and Grading Debris Scrap	\$ \$ \$ \$ \$ \$ \$ \$	- S - S - S - S	- 5 - 5 - 5 - 5 -	\$ - \$ - \$ - \$ 93,000 \$ - \$ 2,000 \$ -	\$ 228,000 \$ 2,151,000 \$ 60,000 \$ - \$ 293,000 \$ - \$ -	\$ 228,000 \$ 2,151,000 \$ 60,000 \$ 93,000 \$ 293,000 \$ 2,000 \$ -	0 \$ 0 \$ 0 \$ 0 \$ 0 \$	

TOTAL NET PROJECT COST (CREDIT)

Asbestos removal estimates were provided by FPL and were not independently reviewed by BMcD.
 Site inventory costs and recoverable scrap of inventory estimates (10%) were provided by FPL and were not independently reviewed by BMcD.

Table A-14 West County Energy Center Decommissioning Cost Summary

				Material and							
County Engage Contor		Labor		Equipment		Disposal	Environmental		Total Cost		Salvage
County Energy Center Unit 1											
GTs and HRSGs	\$	2,625,000	\$	2,869,000	\$		\$ -	\$	5,494,000	\$	
Steam Turbine & Pedestal	\$	990.000	\$	1,082,000	\$	-	\$ -	\$	2,072,000	\$	
SCR		,									
	\$	93,000	\$	101,000	\$	-	\$ -	\$	194,000	\$	
GSU & Electrical	\$	262,000			\$	82,000	\$ -	\$	630,000	\$	
Stack	\$	95,000		103,000	\$	-	\$ -	\$	198,000	\$	
Cooling Tower and Basin	\$	302,000	\$	329,000	\$	-	\$ -	\$	631,000	\$	
On-site Concrete Crushing & Disposal	\$	-	\$	-	\$	242,000	\$ -	\$	242,000	\$	
Debris	\$	_	\$	_	\$	_	\$ -	\$	_	\$	
Scrap	\$	_	\$	_	\$	_	\$ -	\$	_	\$	(5,047
Subtotal	\$	4,367,000	\$	4,770,000		324,000		\$	9,461,000		(5,047
				, ,,,,,,,,		,	•				(-,-
Unit 2											
GTs and HRSGs	\$	2,625,000	\$	2,869,000	\$	_	\$ -	\$	5,494,000	\$	
Steam Turbine & Pedestal	\$	990,000	\$	1,082,000	\$	_	\$ -	\$	2,072,000	\$	
SCR	\$	93,000	\$	101,000	\$		\$ -	\$	194,000	\$	
GSU & Electrical	\$	278,000	\$	303,000		82,000	\$ -	\$	663,000	\$	
					\$						
Stack	\$		\$	103,000	\$	-	\$ -	\$	198,000	\$	
Cooling Tower and Basin	\$	302,000		329,000	\$	-	\$ -	\$	631,000	\$	
On-site Concrete Crushing & Disposal	\$	-	\$	-	\$	242,000	\$ -	\$	242,000	\$	
Debris	\$	-	\$	-	\$	-	\$ -	\$	-	\$	
Scrap	\$	_	\$	_	\$	_	\$ -	\$	_	\$	(5,06)
Subtotal	\$	4,383,000	\$	4,787,000	\$	324,000	\$ -	\$	9,494,000	\$	(5,06
						·					
Unit 3											
GTs and HRSGs	\$	2,625,000	\$	2,869,000	\$	-	\$ -	\$	5,494,000	\$	
Steam Turbine & Pedestal	\$	990,000	\$	1,082,000	\$	-	\$ -	\$	2,072,000	\$	
SCR	\$	93,000	\$	101,000	\$	_	\$ -	\$	194,000	\$	
GSU & Electrical	\$	293,000	\$	320,000	\$	82,000	\$ -	\$	695,000	\$	
Stack	\$	95,000	\$	103,000	\$	02,000	\$ -	\$	198,000	\$	
						-					
Cooling Tower and Basin	\$	302,000	\$	329,000	\$	-	\$ -	\$	631,000	\$	
On-site Concrete Crushing & Disposal	\$	-	\$	-	\$	242,000	\$ -	\$	242,000	\$	
Debris	\$	-	\$	-	\$	-	\$ -	\$	-	\$	
Scrap	\$	-	\$	-	\$	-	\$ -	\$	-	\$	(5,07
Subtotal	\$	4,398,000	\$	4,804,000	\$	324,000	\$ -	\$	9,526,000	\$	(5,07
Common											
Auxiliary, Switchyard and Substation	\$	134,000		147,000	\$	31,000	\$ -	\$	312,000	\$	
Cooling Water Intakes and Circulating Water Pumps	\$	89,000	\$	98,000	\$	-	\$ -	\$	187,000	\$	
Roads	\$	535,000	\$	585,000	\$	587,000	\$ -	\$	1,707,000	\$	
All BOP Buildings	\$	502,000	\$	548,000	\$	_	\$ -	\$	1,050,000	\$	
Fuel Oil Storage Tanks	\$	1,164,000	\$	1,271,000	\$		\$ -	\$	2,435,000	\$	
All Other Tanks	\$	138,000		151,000	\$			\$		\$	
			\$			-	Ψ		289,000		
Contaminated Soil Removal	\$	-	\$	-	\$	-	\$ 253,000	\$	253,000	\$	
Fuel Oil Storage Tank Cleaning	\$	-	\$	-	\$	-	\$ 2,835,000	\$	2,835,000	\$	
Fuel Oil Line Flushing/Cleaning	\$	-	\$	-	\$	-	\$ 1,688,000	\$	1,688,000	\$	
On-site Concrete Crushing & Disposal	\$	-	\$	-	\$	156,000	\$ -	\$	156,000	\$	
Seeding and Grading	\$	-	\$	-	\$	-	\$ 699,000	\$	699,000	\$	
Debris	\$	_	\$	_	\$	1,000	\$ -	\$	1,000	\$	
Scrap	\$		\$		s	.,000	\$ -	\$	1,000	s	(50
Subtotal	S	2,562,000	\$	2,800,000	\$	775,000	\$ 5,475,000	\$	11,612,000	\$	(50
Gubiotai		2,302,000	Ψ	2,000,000	Ψ	773,000	3,473,000	Ψ	11,012,000	۳	(30
		45.540.000	•	17 101 000	_	1 = 1 = 000		•	40.000.000	•	(45.00
West County Energy Center Subtotal	\$	15,710,000	\$	17,161,000	\$	1,747,000	\$ 5,475,000	\$	40,093,000	\$	(15,68
TOTAL COST (CREDIT)								\$	40,093,000	\$	(15,68
PROJECT INDIRECTS (5%)								\$	2,005,000		
								\$	8,019,000		
CONTINGENGY (20%)									-,,		
_								\$	4,725,211	\$	(47
SITE INVENTORY COST (CREDIT) ¹								\$			-
CONTINGENGY (20%) SITE INVENTORY COST (CREDIT) TOTAL PROJECT COST (CREDIT) TOTAL NET PROJECT COST (CREDIT)									4,725,211		(472 (16,150

¹ Site inventory costs and recoverable scrap of inventory estimates (10%) were provided by FPL and were not independently reviewed by BMcD.

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Table A-15 Babcock Ranch Solar Energy Center Decommissioning Cost Summary

		Ma	aterial and					
	Labor	E	quipment	Disposal	- 1	Environmental	Total Cost	Salvage
abcock Ranch Solar Energy Center								
Unit 1								
Demolition	\$ 1,681,000		2,521,000	-	\$	-	\$ 4,202,000	-
Collector System	\$ 131,000		197,000	-	\$	-	\$ 328,000	-
Project Buildings	\$ 18,000		27,000	-	\$	-	\$ 45,000	-
Hazardous Material Disposal	\$ -	\$	-	\$.,,	\$	-	\$ 1,171,000	-
On-site Concrete Crushing & Disposal	\$ -	\$	-	\$ 75,000	\$	-	\$ 75,000	\$ -
Site Restoration	\$ -	\$	-	\$ -	\$	894,000	\$ 894,000	\$ -
Debris	\$ -	\$	-	\$ 140,000	\$	-	\$ 140,000	\$ -
Scrap	\$ -	\$	-	\$ -	\$	-	\$ -	\$ (2,152,000
Subtotal	\$ 1,830,000	\$	2,745,000	\$ 1,386,000	\$	894,000	\$ 6,855,000	\$ (2,152,000
Babcock Ranch Solar Energy Center Subtotal	\$ 1,830,000	\$	2,745,000	\$ 1,386,000	\$	894,000	\$ 6,855,000	\$ (2,152,00
TOTAL COST (CREDIT)							\$ 6,855,000	\$ (2,152,000
PROJECT INDIREGTs (5%)							\$ 343,000	
CONTINGENGY (20%)							\$ 1,371,000	
TOTAL PROJECT COST (CREDIT)							\$ 8,569,000	\$ (2,152,000
TOTAL NET PROJECT COST (CREDIT)							\$ 6,417,000	

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Table A-16 Citrus Solar Energy Center Decommissioning Cost Summary

		Ma	terial and				
	Labor	E	quipment	Disposal	Environmental	Total Cost	Salvage
Citrus Solar Energy Center							
Unit 1							
Demolition	\$ 1,681,000		2,521,000	-	\$ -	\$ 4,202,000	-
Collector System	\$ 131,000		197,000	-	\$ -	\$ 328,000	-
Project Buildings	\$ 18,000	\$	27,000		\$ -	\$ 45,000	-
Hazardous Material Disposal	\$ -	\$	-	\$ 1,171,000	-	\$ 1,171,000	-
On-site Concrete Crushing & Disposal	\$ -	\$	-	\$ 75,000	\$ 	\$ 75,000	-
Site Restoration	\$ -	\$	-	\$ 	\$ 894,000	\$ 894,000	-
Debris	\$ -	\$	-	\$ 140,000	\$ -	\$ 140,000	-
Scrap	\$ -	\$	-	\$ -	\$ -	\$ -	\$ (2,152,000
Subtotal	\$ 1,830,000	\$	2,745,000	\$ 1,386,000	\$ 894,000	\$ 6,855,000	\$ (2,152,000
Citrus Solar Energy Center Subtotal	\$ 1,830,000	\$	2,745,000	\$ 1,386,000	\$ 894,000	\$ 6,855,000	\$ (2,152,00
TOTAL COST (CREDIT)						\$ 6,855,000	\$ (2,152,000
PROJECT INDIREGTs (5%)						\$ 343,000	
CONTINGENGY (20%)						\$ 1,371,000	
TOTAL PROJECT COST (CREDIT)						\$ 8,569,000	\$ (2,152,000

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Table A-17 Manatee Solar Energy Center Decommissioning Cost Summary

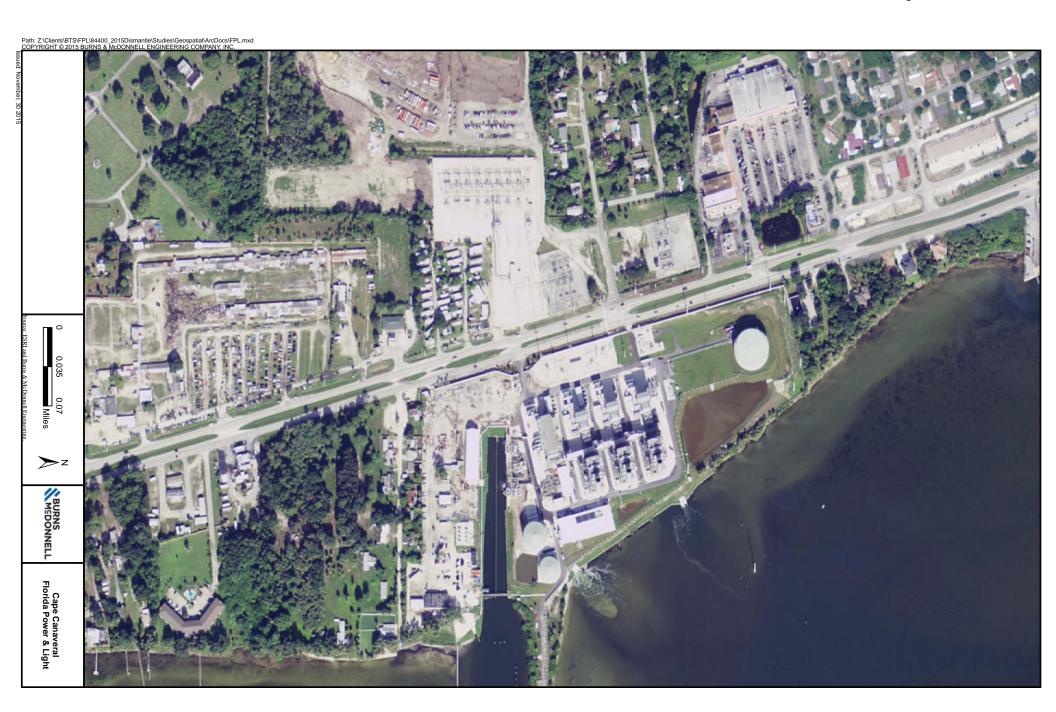
		ı	Material and						
	Labor		Equipment	Disposal	Environmental		Total Cost		Salvage
Manatee Solar Energy Center									
Unit 1									
Demolition	\$ 1,681,000		2,521,000	-	\$ -	\$	4,202,000		-
Collector Sytem	\$ 131,000		197,000	-	\$ -	\$	328,000		-
Project Buildings	\$ 18,000	\$	27,000	\$ -	\$ -	\$	45,000	\$	-
Hazardous Material Disposal	\$ -	\$	-	\$ 1,171,000	\$ -	\$	1,171,000		-
On-site Concrete Crushing & Disposal	\$ -	\$	-	\$ 75,000	\$ -	\$	75,000		-
Site Restoration	\$ -	\$	-	\$ -	\$ 894,000	\$	894,000		-
Debris	\$ -	\$	-	\$ 140,000	\$ -	\$	140,000		
Scrap	\$ -	\$	-	\$ -	\$ -	\$	-	\$	(2,152,000)
Subtotal	\$ 1,830,000	\$	2,745,000	\$ 1,386,000	\$ 894,000	\$	6,855,000	\$	(2,152,000)
Manatee Solar Energy Center Subtotal	\$ 1,830,000	\$	2,745,000	\$ 1,386,000	\$ 894,000	\$	6,855,000	\$	(2,152,000)
TOTAL COST (CREDIT)						\$	6,855,000	\$	(2,152,000)
,						•	.,,	•	(, . , ,
PROJECT INDIREGTs (5%)						\$	343,000		
CONTINGENCY (20%)							4 074 000		
CONTINGENGY (20%)						\$	1,371,000		
TOTAL PROJECT COST (CREDIT)						\$	8,569,000	\$	(2,152,000)
TOTAL NET PROJECT COST (CREDIT)						\$	6,417,000		

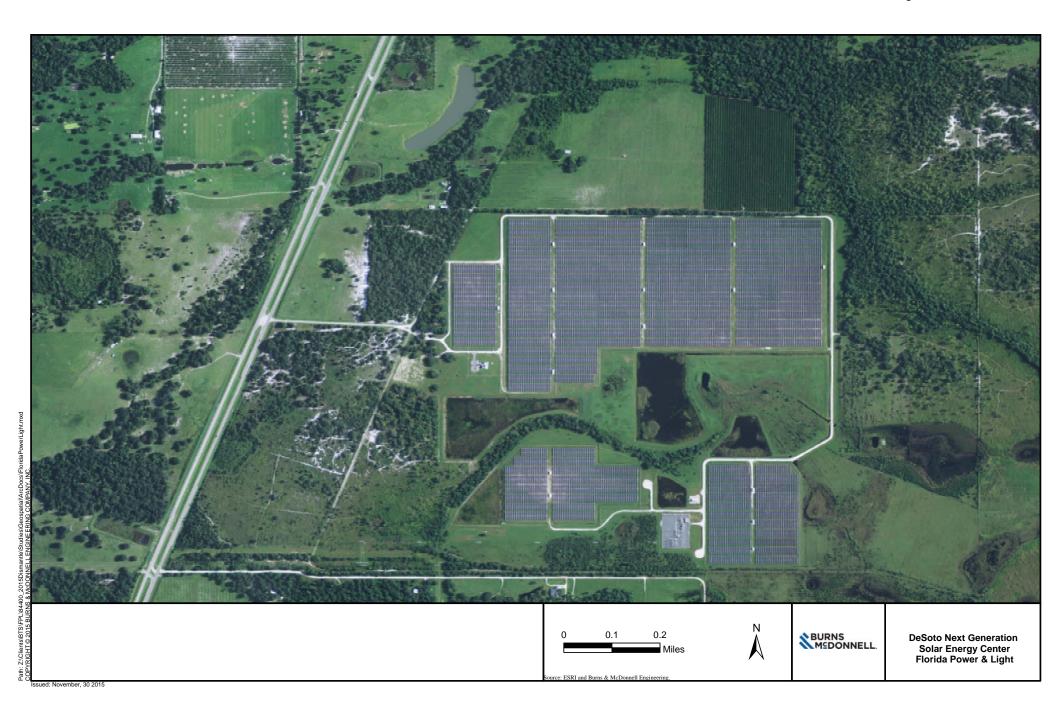
Table A-18 Okeechobee Clean Energy Center **Decommissioning Cost Summary**

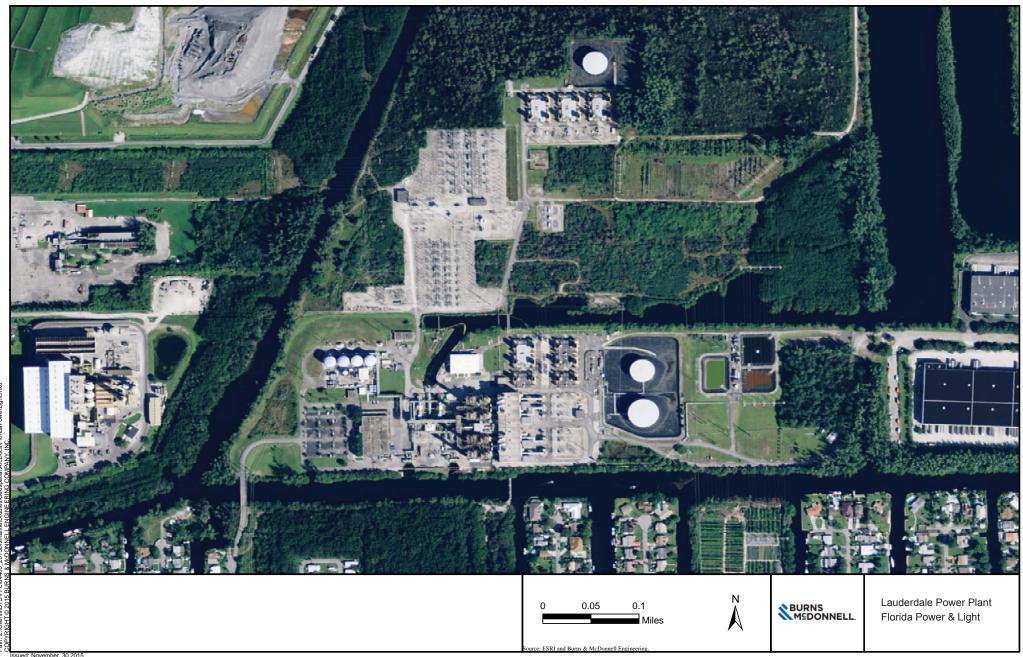
	Labor	Material and Equipment	Disposal	E	nvironmental		Total Cost		Salvage
eechobee Clean Energy Center									
Unit 1									
GTs and HRSGs	\$ 2,682,000	\$ 2,930,000	\$ -	\$	-	\$	5,612,000	\$	-
Steam Turbine & Pedestal	\$ 1,045,000	\$ 1,142,000	\$ -	\$	-	\$	2,187,000	\$	-
SCR	\$ 98,000	\$ 107,000	\$ -	\$	-	\$	205,000	\$	-
GSU & Electrical	\$ 238,000	\$ 260,000	\$ 82,000	\$	-	\$	580,000	\$	-
Stack	\$ 95,000	\$ 104,000	\$ -	\$	-	\$	199,000	\$	-
Cooling Tower and Basin	\$ 311,000	\$ 340,000	\$ -	\$	-	\$	651,000	\$	-
On-site Concrete Crushing & Disposal	\$ -	\$ -	\$ 247,000	\$	-	\$	247,000	\$	-
Scrap	\$ -	\$ -	\$ -	\$	-	\$	-	\$	(5,252,000
Subtotal	\$ 4,469,000	\$ 4,883,000	\$ 329,000	\$	-	\$	9,681,000	\$	(5,252,000
Common									
Auxiliary, Switchyard and Substation	\$ 16,000	\$ 18,000	\$ 13,000	\$	_	\$	47,000	\$	-
Cooling Water Intakes and Circulating Water Pumps	\$ 41,000	\$ 45,000	\$ -	\$	_	\$	86,000	\$	_
Roads	\$ 161,000	\$ 175,000	\$ 176,000	\$	_	\$	512,000	\$	-
All BOP Buildings	\$ 501,000	\$ 548,000	\$ -	\$	_	\$	1,049,000	\$	-
Fuel Oil Storage Tanks	\$ 174,000	190,000	\$ _	\$	_	\$	364,000		_
All Other Tanks	\$ 107,000	\$ 117,000	\$ _	\$	_	\$	224,000	\$	_
Contaminated Soil Removal	\$ _	\$ _	\$ _	\$	134,000	\$	134,000	\$	_
Fuel Oil Storage Tank Cleaning	\$ _	\$ _	\$ _	\$	1,498,000	\$	1,498,000	\$	_
Fuel Oil Line Flushing/Cleaning	\$ _	\$ _	\$ _	\$	154,000		154,000	\$	_
On-site Concrete Crushing & Disposal	\$ _	\$ _	\$ 52.000	\$	_	\$	52,000	\$	_
Seeding and Grading	\$ _	\$ _	\$,	\$	210,000	\$	210,000	\$	_
Debris	\$ _	\$ _	\$ 1.000	\$		\$	1,000	\$	_
Scrap	\$ _	\$ _	\$ -	\$	_	\$	-	\$	(308,000
Subtotal	\$ 1,000,000	\$ 1,093,000	\$ 242,000	_	1,996,000	\$	4,331,000	_	(308,000
Ockeechobee Clean Energy Center Subtotal	\$ 5,469,000	\$ 5,976,000	\$ 571,000	\$	1,996,000	\$	14,012,000	\$	(5,560,000
TOTAL COST (CREDIT)						\$	14,012,000	\$	(5,560,000
PROJECT INDIRECTS (5%)						\$	701,000		
CONTINGENGY (20%)						\$	2,802,000		
TOTAL PROJECT COST (CREDIT)						\$	17,515,000	\$	(5,560,000
TOTAL NET PROJECT COST (CREDIT)						\$	11,955,000		
						•	,555,566		

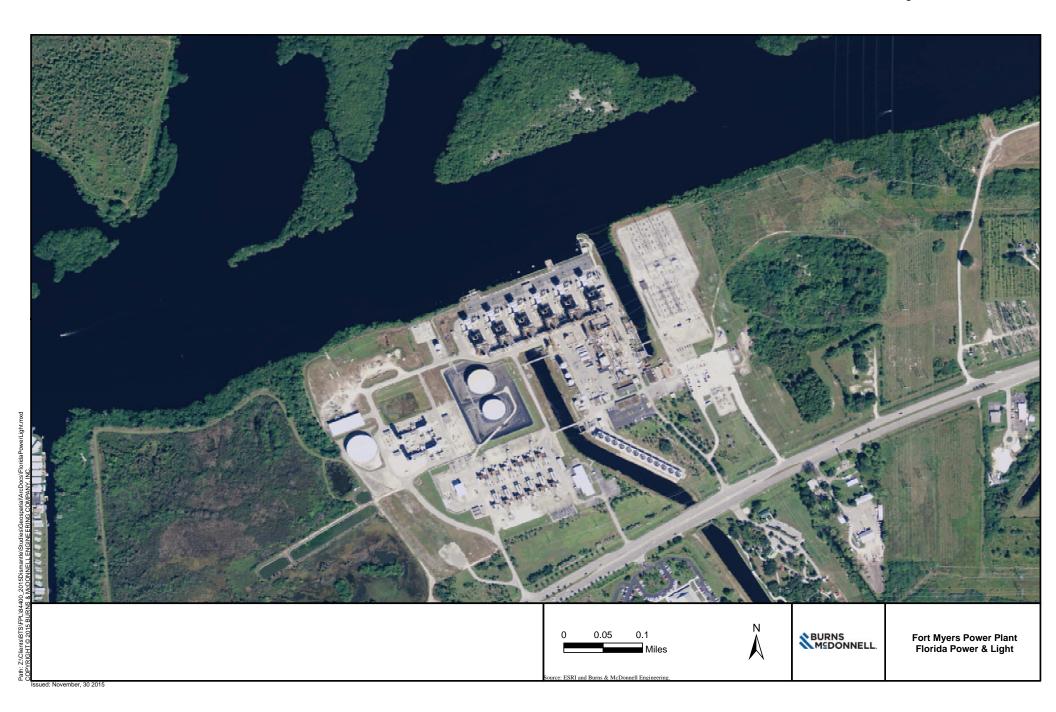
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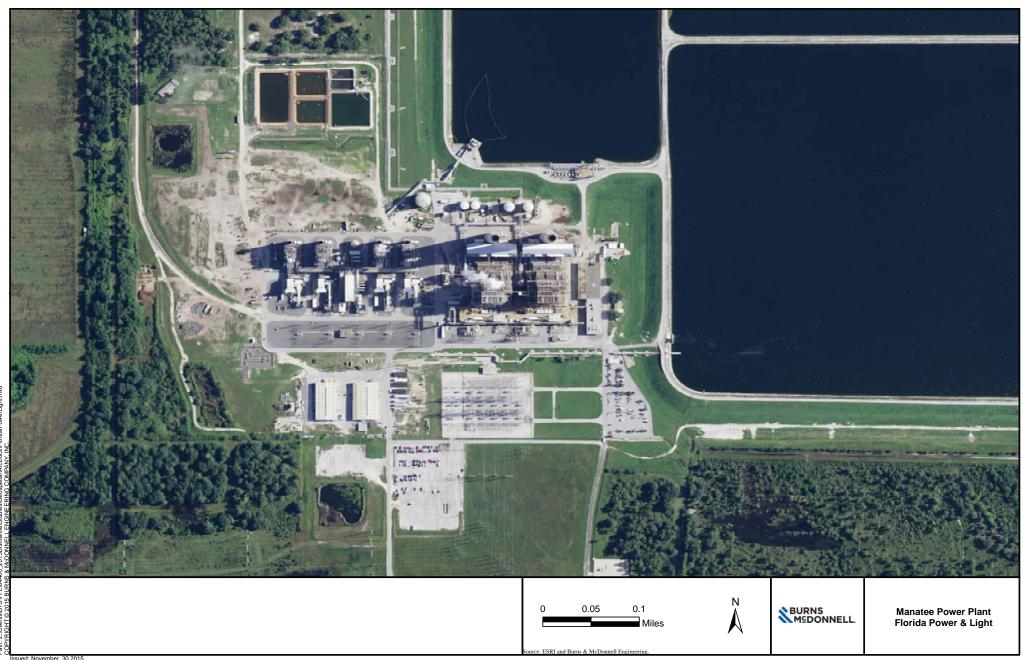
APPENDIX B - PLANT AERIALS

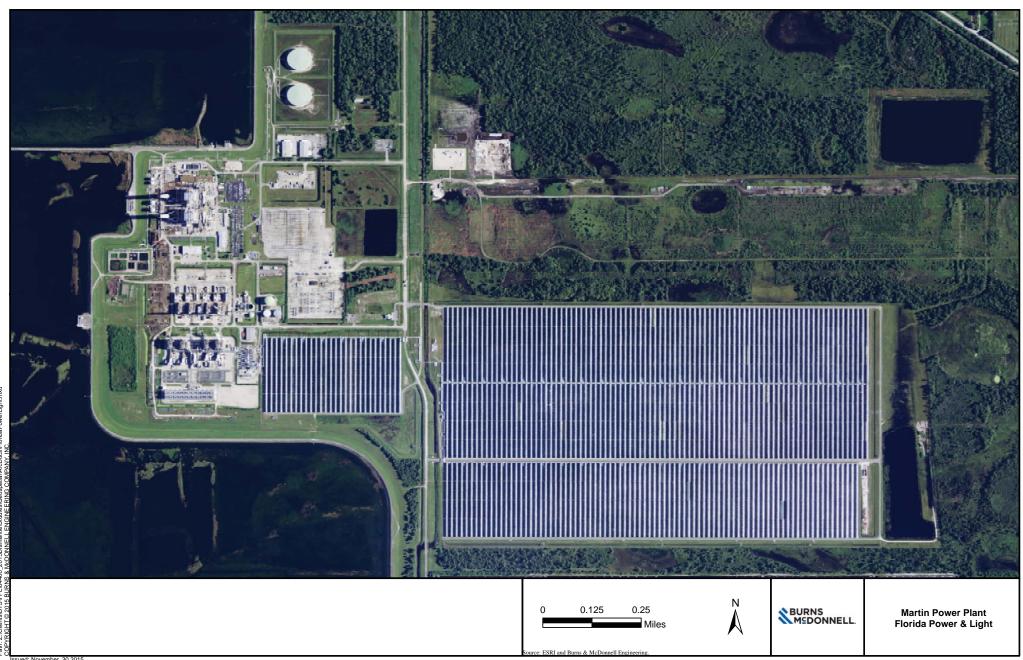








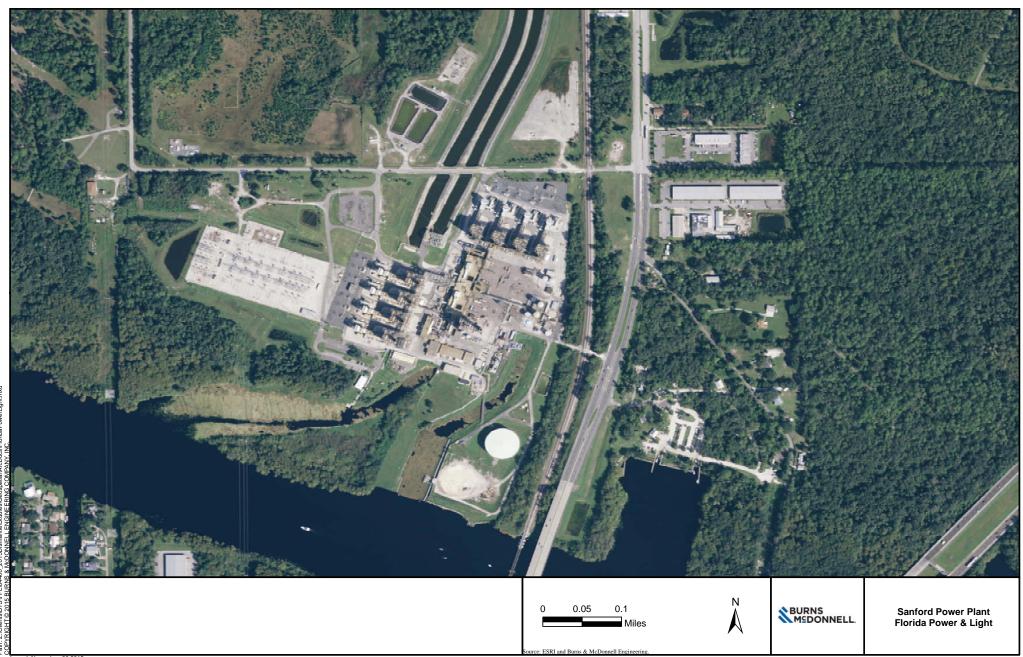


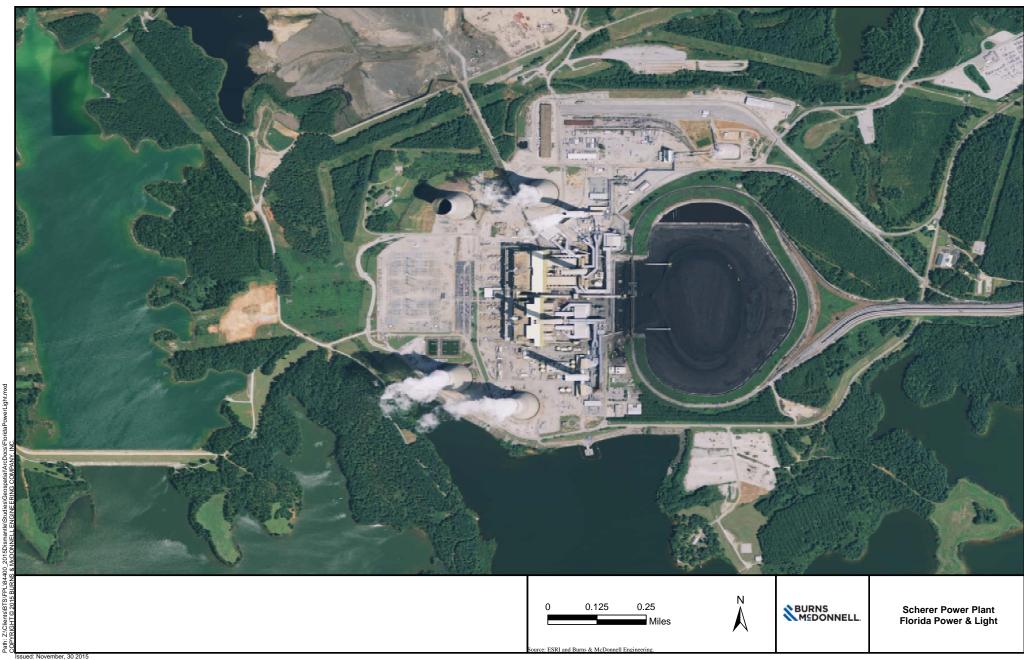


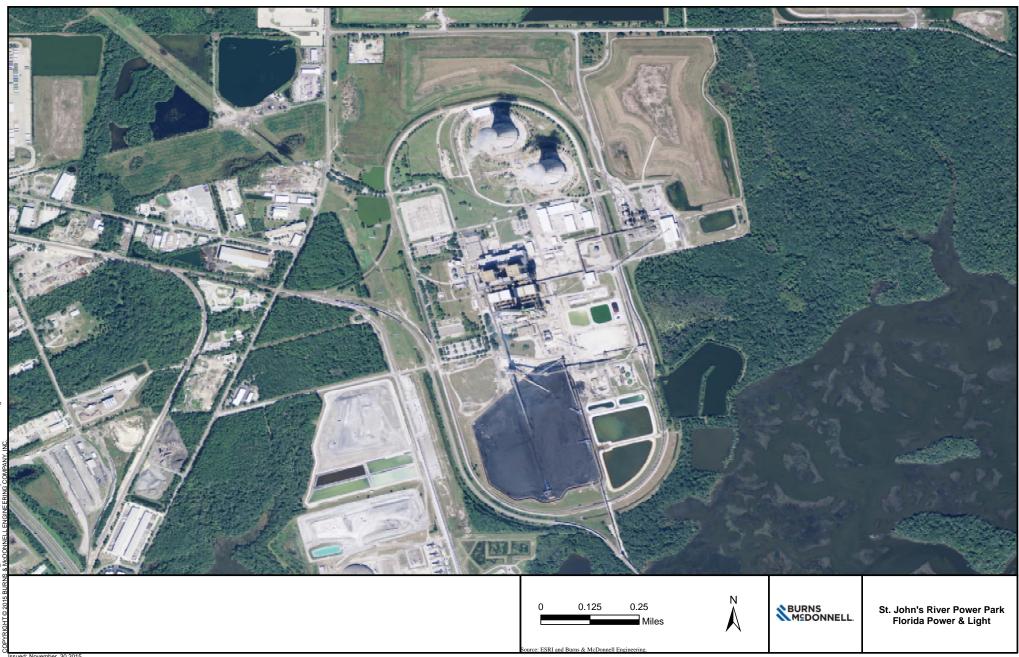


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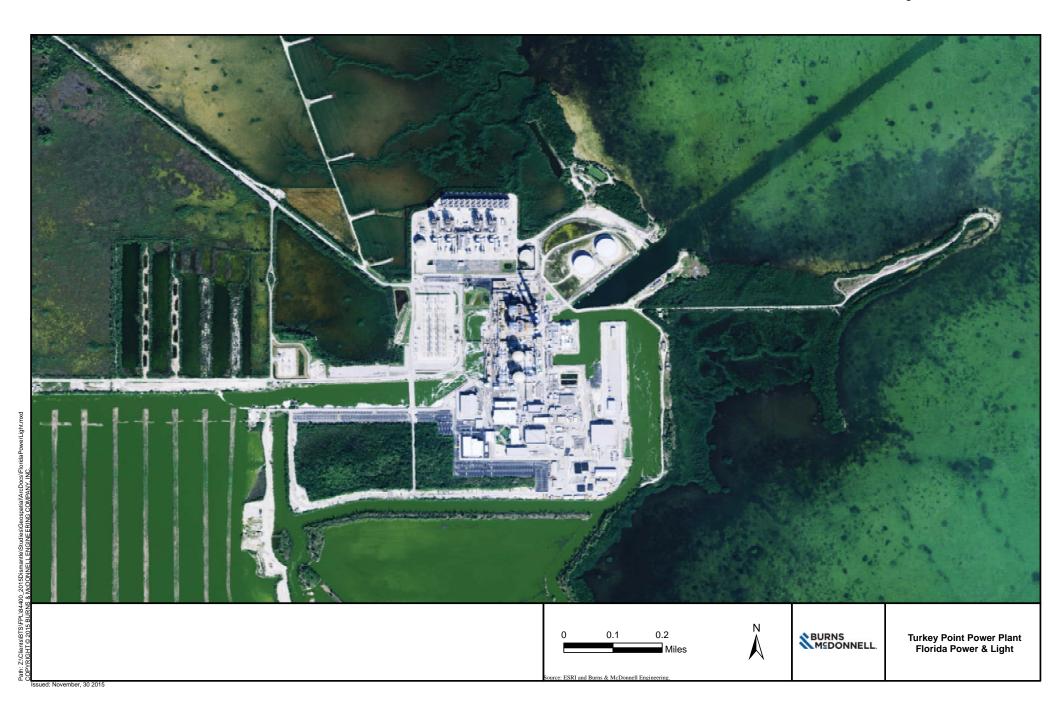


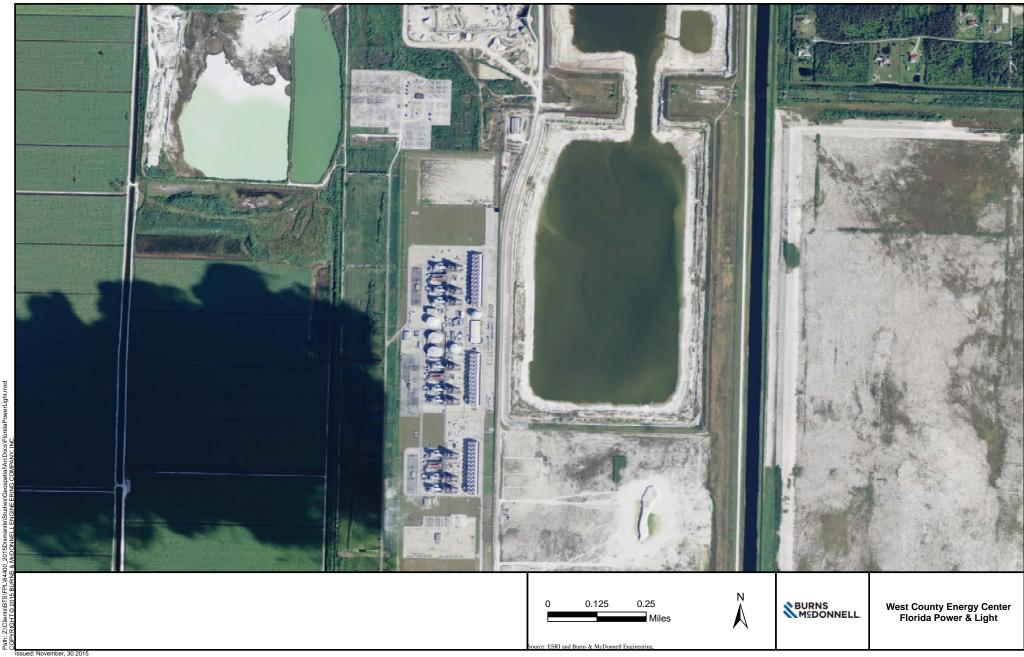






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Section 9

Dismantlement Cost Analysis for Cedar Bay Prepared by NorthStar Demolition & Remediation, LP

Cedar Bay:

Purpose and timing

On January 16, 2015, a walk down was conducted to determine a budgetary value to remove the assets from the site.

Attendees

Cedar Bay Generating Co LP site representatives – Operated by Cogentrix Tracy Paterson II Plant GM

Mark R. Chaffee Chief Civil Structural Engineer

Steven J. Busbin Engineering Manager

FPL

Randal Voyles - FPL capital projects GM

Cedar Bay - Plant description

The Site is an existing coal fired power station producing a nominal 290 GMW and a net 260MW at maximum capability. This consists of 3 equal sized pyroflow circulating boiler firing a low surfer coal using limestone to capture the free sulfur materials. Prior to this decade was potentially a technology that could relatively environmentally friendly. Through a header system a consensual steam turbine produces the electrical power to the grid via step up transformers.

At a very high level the infrastructure in support of this is consists of the following:

Coal system

- · Rail delivery system including diesel powered locomotive
- Coal Car dumping station
- Coal storage yard
- Coal crushing
- Tripper conveyor
- Paper refuge blending and drying area to
- Other coal handling equipment conveyors, silos, gravimetric feeders, structures

Lime stone system

- Truck unloading
- Blowers
- Silo bughouses
- Williams heated Pulverizes
- Screw conveyors
- Distribution systems into the boiler

Boilers

- 3 pyroflow natural circulation boilers
- Cyclone separators
- Waterwalls, convection section, sonic soot removal system, Omega tubes
- Primary Fans
- Secondary air Fans
- ID fans
- Blowers

Ash capture removal and system

- Water cooled rotary screw conveyors
- Drag chains
- Baghouses
- Pneumatic fly ash conveyance system
- Stack

Power generation equipment

- Boiler Water treatment systems
- Clarifier
- Chlorinators
- Demonetization
- Cation and anion resin beds
- Feed pumps
- Low, medium and high feedwater heaters
- Steam condensers
- Condensate pumps

Steam Turbine/Generator

- Hydrogen cooled Generator
- Hydrogen recovery, cooling, and storage systems
- Oil lubrication
- Step up transformers
- Aux transformers
- Power distribution
- Motor Control cantors
- Transformers
- Cabling. Electrical manholes and safety systems
- Grounding
- Lightning protection
- Transmission lines (short~ ½ mile)

Exciter

Other

- Control and protection
- Valves
- · Gas systems
- Piping
- Storm water recovery systems
- Collection and storage basins
- Pumps
- Clean up system (very sophisticated)
- Tankage

Critical Spare Parts

A nominal number of spare parts are stored around the plant, this includes motors, tubing, pumps and so forth. Most are located on the Turbine Deck

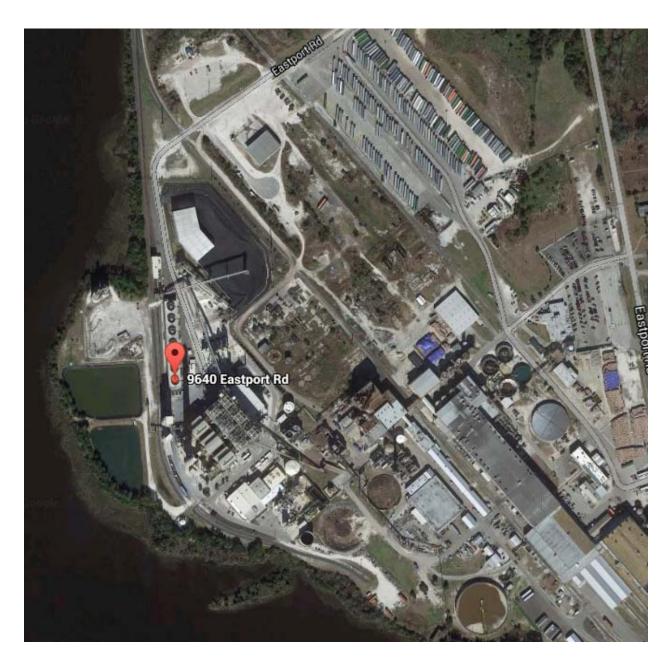
Administration facilities

- Admin building
- Maintenance employee rooms
- Machine shops
- Electrical shops
- I&C maintenance facilities
- Mobile equipment as follows

Physical address:

9640 Eastport Road (32218) Jacksonville, FL 32226 Located at 30.423581, -81.607984

The following is an aerial picture represents the general plant. The plant was designed by Black and Veatch and construction completed in 1991-1992



The Plant is very well operated and maintained resulting in a high level capacity factor/availability for circulating fluid bed boiler of this vintage. This will support the potential to reduce the cost of dismantlement of the facilities.

Basis of Estimate: Current Day Feb 2015

Exclusions:

No foundation removal

No hazardous waste removal

No Asbestos

No lead Paint

No Mercury devices

No PCP equipment

No removal of Major removal of coal, ash limestone, water, chemicals

Included:

All equipment, structures, hardware, lubrication oils, pumps, motors, skids, pipe, conduit, cabling as listed above. Fill in the coal unloading pit, removal of the residual layer of coal in the coal yard. Title would be transferred for everything at the site unless specifically excluded.

Execution strategy:

Market and Sell all equipment on the site to the extent possible first as systems and secondary at the component level. Followed by dismantlement activities using conventional methods. The ability to minimize the final cost of this effort is highly dependent upon the need of other similar power producers and the timing of their need, the value of the materials that can be scrapped, and the distance to the end users. We would actively auction or Bid the entire site as an EPC approach to support us in this effort. This has demonstrated to provide us with the lower risk and highest market value. Our experience stems from Cape, Rivera, port everglades, cutler, Sanford, and numerous ancillary supporting systems in the NEE portfolio.

Schedule:

Recommended this effort take 24-30 months from notice to proceed to complete. Although this can be substantially shorter; time has shown that the longer durations typically result in a lower end cost. This works in two ways, it allows us to locate viable buyers in need, or time the salvage market to recover the highest salvage value attainable.

Budgetary cost:

The recommended cost of this effort is:

- P90 cost of \$4.5M this is considered to be conservative due to the current timing the plant will continue to operate for several more years, cost of escalation of the resource pool, volatility of the salvage market, and the potential for whole sailing the equipment on the international market. There is of course equal potential for upside or down side. Dependent upon the level of upside there is potential that the marketability of the plant would result in a null cost or even some moneys being returned.
- **P50 cost of \$1.0M** with a range of \$0 to a cost of \$2.0M

As an example the following salvage markets have trended downward since peaking in 2008-2010 time period. The majority of the savings values are in the steel, cooper, Stainless areas. Scrap Steel has somewhat returned to the higher level due to the reduction in inventory and the same trend is expected yet has not materialized yet for the other metals. Additionally, since this is a budgetary effort and not a great deal of effort was put forth to estimate the amount of materials the resulting weights may increase providing further savings.

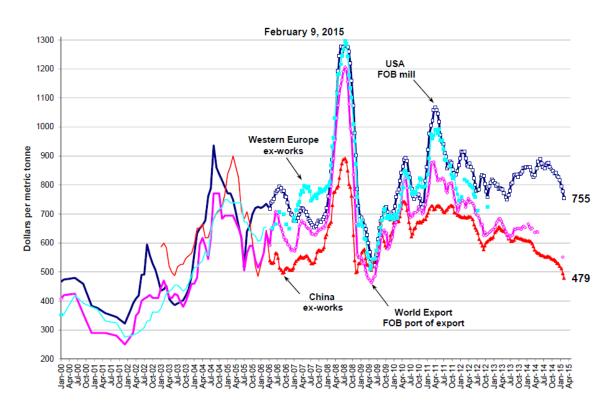
Trend Charts for Metals Markets



SteelBenchmarkerTM CRC Price

USA, China, Western Europe and World Export

(WSD's PriceTrack data, Jan. 2000 - March 2006; SteelBenchmarker data begins April 2006)

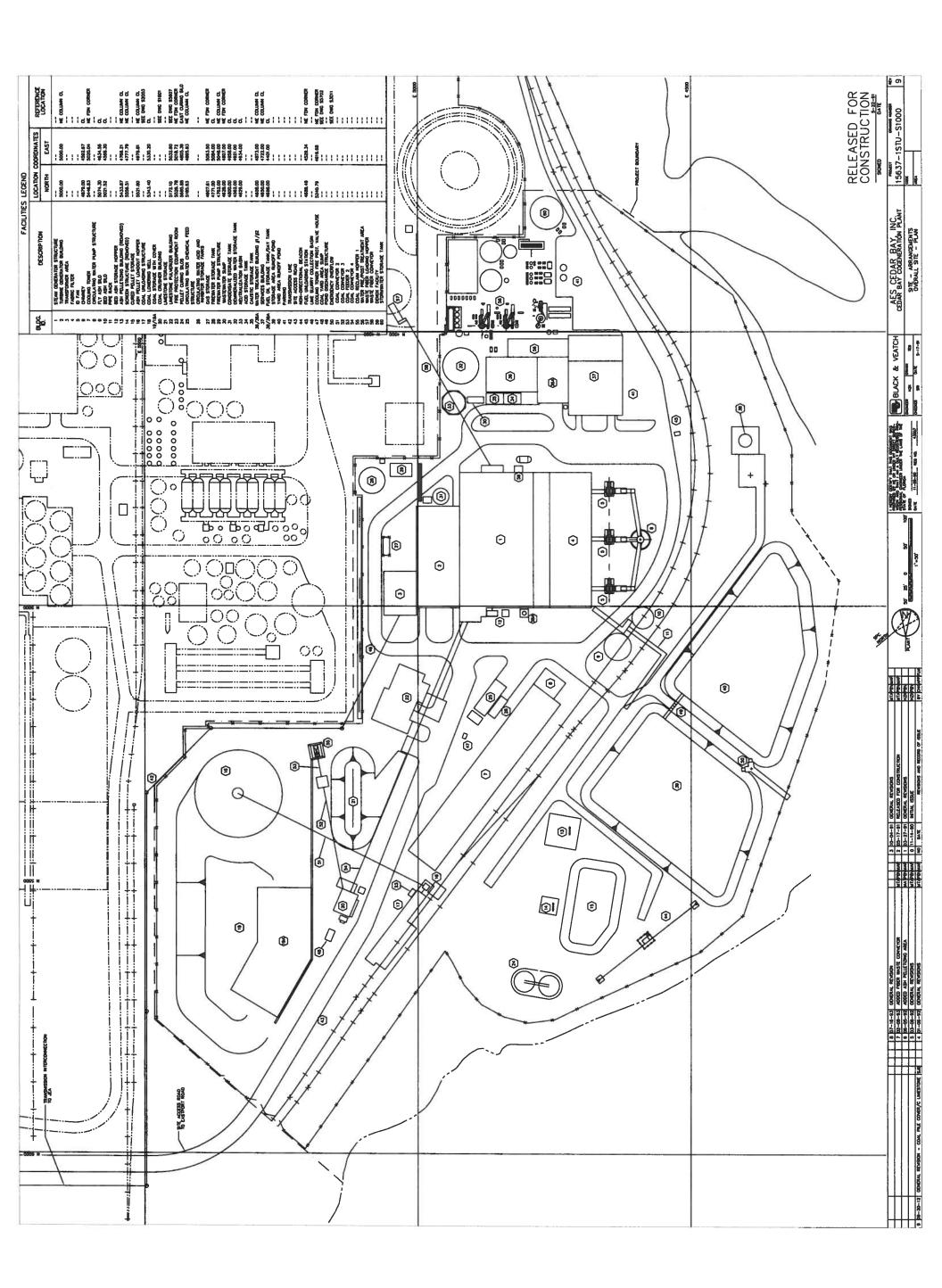


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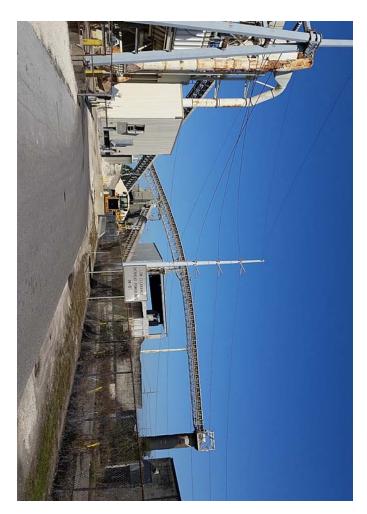
Appendix supporting information: Appendix A Budgetary Vendor information

Appendix B Pictures

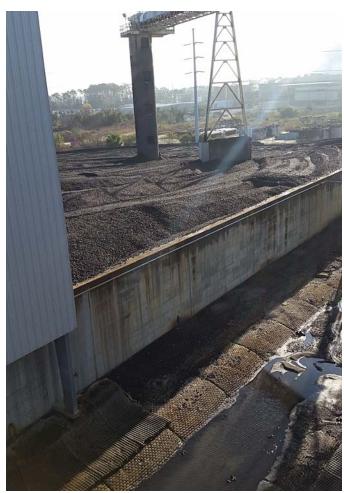
Appendix C
Plant documentation



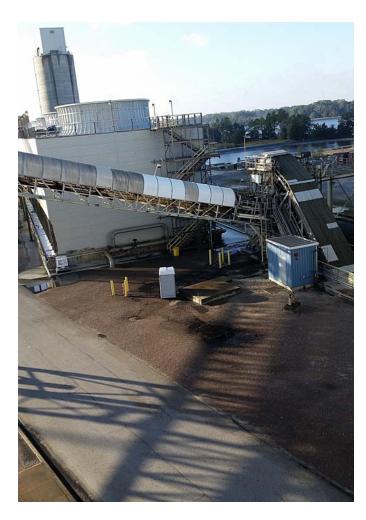
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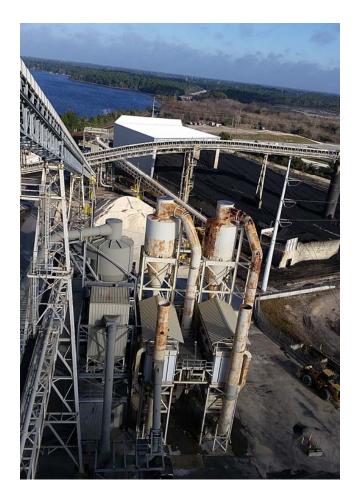




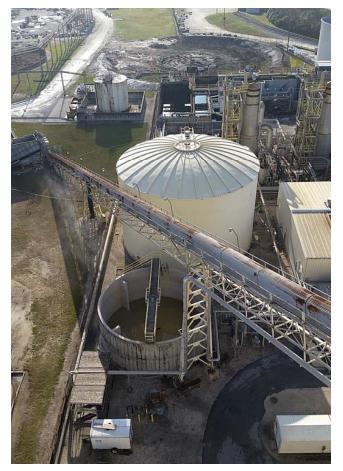




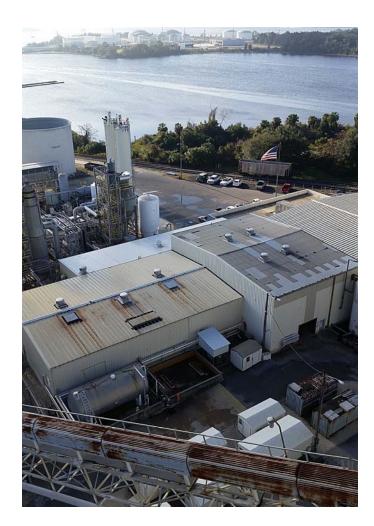


































February 12, 2015

Florida Power & Light PGD Technical Services 700 Universe Blvd. Juno Beach, FL 33408

Mr. Randal Voyles Technical Services Manager

Re: Budget Estimate for Cedar Bay Plant NorthStar Proposal No. 15-02-09

Dear Mr. Voyles,

NorthStar Demolition and Remediation LP is pleased to provide this budget estimate for the demolition of the Cedar Bay facility. The budget estimate was developed based on information gathered during a site inspection and drawings provided by the facility. This budget estimate includes the removal of the coal powered steam generator structure with 3 individual boiler units, one chimney stack, turbine generator building and condensers, all above ground structures listed on the Overall Site Plan (15637-1STU-S1000), such as transformers, cooling tower, fly and bed ash silos, cured pellet storage, coal storage, crushing and conveyance, limestone storage, pulverizing and conveyance, circulating water structure, misc. tanks and systems for water, fuel, acid and caustics, water treatment building, coal unloading structure, storage area runoff and yard area runoff ponds, misc. outbuildings, etc. All work will be to top of foundation or slab at or near grade.

Additionally, as this plant has only recently shut down and the equipment had been maintained to the highest level of quality, there are many items that potentially have a much greater value as a reusable asset rather than being sold as scrap. Because of the state of these materials, NorthStar feels that it would be of benefit to both FPL and NorthStar if we could partner in the marketing and sales of as much of this equipment as possible as this could increase our asset recovery well above \$5.5 million.

In order to maximize FPL's return on its capital investment, we feel that additional marketing time is required to explore the international market on a piece by piece basis. NorthStar has relationships with many end user buyers and brokers that could be used for the liquidation of miscellaneous pieces and parts for this plant. They specialize in this type of equipment and have a vast client basis worldwide. Based on the extremely clean condition of the plant, we feel that this relationship would best serve FPL if we could spend time immediately marketing the equipment while it is still in place. This would allow us time to bring in our out-of-country clients to view and make "firm" offers on this equipment.

The assumptions made in the development of this estimate include the following;

- Work will be performed 5 days per week 10 hours per day
- The work can be completed within 12-14 months.
- FP&L will make all utility disconnects and relocations.
- All line break and hazardous material removal including universal wastes will be performed by FPL.
- Assumed no lead abatement besides employee protection during torch activities.
- Excludes any damage to existing concrete slabs and foundations to remain.
- Excludes any ash, coal, limestone and process waste cleanup and disposal.
- Asbestos is excluded from the pricing

Budget Estimate of Cost

Project Overhead	\$650,000
Stack and Concrete Silos	\$590,000
Boiler and ancillary structures	\$3,250,000
Misc Buildings, cooling tower	\$870,000
Water Treatment/Condensers	\$650,000
Turbine	\$350,000
Total Cost	\$6,360,000
Scrap Recovery Credit	(\$2,237,750)
Net Cost to FPL	\$4,122,250

Budget Estimate for Salvage Recovery

Steel Scrap	11000	Gross Tons	\$140/ton	\$1,540,000
Sales	Pumps/valves/motors			\$300,000
Copper	140,000	Pounds	\$1.95/lb.	\$273,000
Stainless Tubes	115,000	Pounds	\$0.65/lb.	\$74,750
Misc.				\$50,000
			Total Scrap	\$2,237,750

Thank you for the opportunity to provide you with this budget estimate. Please feel free to call with any questions. Chris Schillesci 985-705-2641 Regards,

Chris Schillesci

Sr. Project Manager

NorthStar Demolition and Remediation LP

VICINITY MAP (NOT TO SCALE)

SURVEYOR'S DESCRIPTION (FACILITY SITE):

A portion of Webb Place, subdivision of the John Broward Grant, Section 46. Township 1 South. Range 27 East. Duval County, Florida, as depicted in Plat Book 1, pages 7 and 8, of the former Public Records of said county, also being a portion of those lands described and recorded in Official Records Book 7101, page 1756, of the current Public Records of said county, being more particularly described as follows:

For a Point of Reference, commence at the corner common to the Easterly line of said Webb Place and Subsections 19 and 22, of said Section 46, said corner bearing South 89°58'16" West, 1325.83 feet from the Northeasterly corner of said Subsection 22; thence South 89'58'28" West, along the Westerly prolongation of the Northerly line of said Subsection 22, a distance of 578.30 feet to its intersection with the Westerly right of way line of Eastport Road, a 66 foot right of way as presently established; thence North 10°23'24" West, along said Westerly right of way line, a distance of 890.02 feet, thence South 79°36'36" West, departing said Westerly right of way line, 508.51 feet to a point lying on the Northerly line of those lands described and recorded in Official Records Book 6652, pages 2217 of said current Public Records; thence Westerly and Southerly along the Northerly and Westerly line of last said lands, the following 3 courses: Course 1, thence South 67'50'04" West, 316.23 feet; Course 2, thence South 49'14'16" West, 270.00 feet; Course 3, thence South 40°45'44" East. 644.88 feet to an intersection with said Westerly prolongation of the Northerly line of Subsection 22; thence South 89°58'28" West, departing said Westerly line and along said Westerly prolongation, 618.79 feet; thence North 40'49'07" West, 128.34 feet; thence South 49"1'36" West, 100.00 feet; thence North 40"49'07" West, 275.00 feet; thence South 49°10'53" West, 100.00 feet; thence South 40°49'07" East, 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Subsection 22; thence South 89'58'28" West, along said Westerly prolongation, 134.73 feet to the Northeasterly corner of those lands described in Exhibit "A", Parcel "A", as recorded in said Official Records Book 7101, page 1756 and the Point of Beginning.

From said Point of Beginning, thence Southerly along the Easterly line of said Parcel "A" the following 10 courses: Course 1. thence South 40°49'07" East, 427.65 feet; Course 2, thence South 03°45'51" West, 74.96 feet; Course 3, thence South 4174'09" East. 54.38 feet: Course 4. thence South 4970'10" West. 42.00 feet: Course 5. thence South 4174'09" East. 10.00 feet: Course 6. thence South 49"10"10" West, 269.67 feet; Course 7, thence South 40"49"50" East, 485.00 feet; Course 8, thence South 49'10'10" West, 155.00 feet; Course 9, thence South 40'49'50" East, 220.00 feet; Course 10, thence South 4910'10" West. 15.00 feet to the Northerly most corner of those lands described in Exhibit "A". Parcel "B' as recorded in said Official Records Book 7101, page 1756; thence South 40'49'50" East, departing said Easterly line and along the Northeasterly line of said Parcel "B", 191.10 feet to the Easterly most corner thereof, said corner lying on a curve concave Southeasterly having a radius of 118.15 feet; thence Southwesterly, along the Southeasterly line of said point on said curve, said arc being subtended by a chord bearing and distance of South 50°21'58" West, 101.71 feet thence South 4970'10' West, continuing along said Southeasterly line and along the Southerly line of said Parcel "A" 194.71 feet to a point hereinafter referred to as Reference Point "A"; thence continue South 4970'10" West. alona said Southerly line, 44 feet, more or less, to its intersection with the Easterly Mean High Water Line of the Broward River: thence along the meanderings of said Easterly Mean High Water Line the following 4 courses: Course 1, thence Westerly, departing said Southerly line, 490 feet, more or less; Course 2, thence Northwesterly, 1065 feet, more or less: Course 3 thence Northeasterly, 617 feet, more or less; Course 4, thence Northerly, 277 feet, more or less, to the Northwest corner of said Parcel "A"; thence North 89'58'28" East, departing said Easterly Mean High Water Line and along the Northerly line of said Parcel "A", said line also being the Westerly prolongation of the Northerly line of Subsection 22, a distance of 47 feet, more or less, to a point on said line, said point bearing North 21°01'01" West. 1748.17 feet from said Reference Point "A"; thence continue North 89'58'28" East, along last said line, 314.13 feet to the Point of Beginning.

Containing 30.4 acres, more or less.

TOGETHER WITH:

A portion of Webb Place, subdivision of the John Broward Grant, Section 46, Township 1 South, Range 27 East, Duval County, Florida, as depicted in Plat Book 1, pages 7 and 8, of the former Public Records of said county, also being a portion of those lands described and recorded in Official Records Book 6222, page 504, of the current Public Records of said county, being more particularly described as follows:

For a Point of Reference, commence at the corner common to the Easterly line of said Webb Place and Subsections 19 and 22, of said Section 46, said corner bearing South 89'58'16" West, 1325.83 feet from the Northeasterly corner of said Subsection 22; thence South 89°58'28" West, along the Westerly prolongation of the Northerly line of said Subsection 22, a distance of 578.30 feet to its intersection with the Westerly right of way line of Eastport Road, a 66 foot right of way as presently established; thence North 10°23'24" West, along said Westerly right of way line, a distance of 890.02 feet thence South 79°36'36" West, departing said Westerly right of way line, 508.51 feet to a point lying on the Northerly line of those lands described and recorded in Official Records Book 6652, pages 2217 of said current Public Records; thence Westerly along said Northerly line the following 2 courses: Course 1, thence South 67'50'04" West, 316.23 feet; Course 2, thence South 4914'16" West, 270.00 feet; thence South 77'53'56" West, departing said Northerly line, 280.31 feet to the Point of Beginning.

From said Point of Beginning, thence South 41°06'50" East, 624.12 feet; thence South 48°53'10" West, 105.09 feet; thence South 45°49'59" West, 230.33 feet; thence South 54°07'43" West, 105.42 feet: thence North 40°42'13" West. 663.30 feet; thence North 52°59'04" East, 90.52 feet; thence North 53°53'30" East, 170.27 feet; thence North 53°50'15" East, 176.06 feet to the Point of Beginning.

Containing 6.51 acres, more or less

LEASE PARCEL 2:

A portion of Webb Place, subdivision of the John Broward Grant, Section 46, Township 1 South, Range 27 East, Duval County, Florida, as depicted in Plat Book 1, pages 7 and 8, of the former Public Records of said county, also being a portion of those lands described and recorded in Official Records Book 6222, page 504, of the current Public Records of said county, being more particularly described as follows:

For a Point of Reference, commence at the corner common to the Easterly line of said Webb Place and Subsections 19 and 22, of said Section 46, said corner bearing South 89°58'16" West, 1325.83 feet from the Northeasterly corner of said Subsection 22; thence South 89'58'28" West, along the Westerly prolongation of the Northerly line of said Subsection 22, a distance of 578.30 feet to its intersection with the Westerly right of way line of Eastport Road, a 66 foot right of way as presently established; thence North 10°23'24" West, along said Westerly right of way line, a distance of 890.02 feet: thence South 79°36'36" West, departing said Westerly right of way line, 508.51 feet to a point lying on the Northerly line of those lands described and recorded in Official Records Book 6652, pages 2217 of said current Public Records; thence Westerly along said Northerly line the following 2 courses: Course 1, thence South 67'50'04" West, 316.23 feet; Course 2, thence South 4914'16" West, 270.00 feet; thence South 77°53'56" West, departing said Northerly line, 280.31 feet; thence North 38°45'00" West. 102.45 feet to the Point of Beginning.

From said Point of Beginning, thence South 55°49'01" West, 441.86 feet to a point on a curve concave Northeasterly having a radius of 665.76 feet; thence Northwesterly along the arc of said curve, through a central anale of 22°29'35" an arc length of 261.36 feet to a point on said curve, said arc being subtended by a chord bearing and distance o North 35°23'40" West, 259.69 feet; thence North 09°48'40" West, 84.68 feet; thence North 49°11'08" East, 370.75 feet; thence South 40'48'52" East, 382.13 feet to the Point of Beginning.

Containing 3.49 acres, more or less.

ALTA/ACSM LAND TITLE SURVEY

A PORTION OF WEBB PLACE, SUBDIVISION OF THE JOHN BROWARD GRANT, SECTION 46, TOWNSHIP 1 SOUTH, RANGE 27 EAST, DUVAL COUNTY, FLORIDA, AS DEPICTED IN PLAT BOOK 1, PAGES 7 AND 8, OF THE FORMER PUBLIC RECORDS OF SAID COUNTY, ALSO BEING A PORTION OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 6222, PAGE 504, TOGETHER WITH A PORTION OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 7101, PAGE 1756, OF THE CURRENT PUBLIC RECORDS OF SAID COUNTY.

PARCEL DESCRIPTIONS (per Title Commitment):

EXHIBIT A (FACILITY SITE) (Official Records Book 7101, Page 1756):

A portion of Webb Place of the subdivision of the John Broward Grant, Section 46, Township South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 1 and 8, of the former Public Records of said Duval County, Florida, and being more particularly

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 and said subdivision (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57′56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot Public Right of Way as now established); run thence North 10° 23' 56" West along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly right of way line; run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652, Pages 2217-2228 of the Current Public Records of said Duval County, Florida; run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652. Pages 2217-2228, the following three courses and distances: First Course; South 67*49'32' West, a distance of 316.23 feet to a point; Second Course; South 49° 13' 44" West, a distance of 270.00 feet to a point; Third Course; South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22; run thence South 89°57'56" West, along last said line a distance of 618.79 feet to a point; run thence North 40°49'39" West, a distance of 128.34 feet to a point; run thence South 4911' 04" West. a distance of 100.00 feet to a point; run thence North 40°49'39' West, a distance of 275.00 feet to a point; run thence South 4910'21" West, a distance of 100 feet to a point; run thence South 40°49'39" East, a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision; run thence South 89°57'56" West, along said line, a distance of 134.73 feet to the Point of Beginning.

From the Point of Beginning thus described, run South 40°49'39" East, a distance of 427.65 feet to a point; run thence South 03°45'19" West, a distance of 74.96 feet to a point; run thence South 41"14'41" East, a distance of 54.38 feet to a point; run thence South 49'09'38' West, a distance of 42.00 feet to a point; run thence South 4174'41" East, a distance of 10.00 feet to a point; run thence South 49°09'38" West, a distance of 269.67 feet to a point; run thence South 40°50'22" East, a distance of 485.00 feet to a point; run thence South 49°09'38" West, a distance of 155.00 feet to a point; run thence South 40°50'22" East, a distance of 220.00 feet to a point: run thence South 49 09 38" West, a distance of 210.00 feet to a point; run thence South 40°50'22" East, a distance of 188.96 feet to a point; run thence South 49°09'38" West, a distance of 175 feet, more or less, to the Mean High Water Line of the Broward River; run thence in a general Northwesterly and Northeasterly direction, with said Westerly prolongation of the Northerly line of Section 22 of said subdivision, said point lying South 89°57'56" West, a distance of 395 feet, more or less, from the Point of Beginning; run thence North 89°57'56" East, along aforementioned line, a distance of 395 feet, more or less to the Point of Beainning.

TOGETHER WITH:

PARCEL B: A portion of Webb Place of the subdivision of the John Broward Grant, Section 46, Township South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly

For a Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22: run thence South 89°57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot Public Right of Way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly right of way line; run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652, Pages 2217-2228 of the Current Public Records of said Duval County, Florida: run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652, Pages 2217-2228, the following Three Courses and Distances: First Course, South 67°49'32" West, a distance of 316.23 feet to a point; Second Course, South 4973'44" West, a distance of 270.00 feet to a point; Third Course, South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22; run thence South 89°57'56" West, along last said line, a distance of 618.79 feet to a point; run thence North 40°49'39" West, a distance of 128.34 feet to a point; run thence South 49"11"04" West, a distance of 100.00 feet to a point; run thence North 40"49"39" West, a distance of 275.00 feet to a point; run thence South 49"10'21" West, a distance of 100.00 feet to a point; run thence South 40°49'39" East, a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision; run thence South 89°57'56" West, along last said line, a distance of 134.73 feet to a point; run thence South 40°49'39" East, a distance of 427.65 feet to a point; run thence South 03°45'19" West, a distance of 74.96 feet to a point; run thence South 41"14'41" East, a distance of 54.38 feet to a point; run thence South 49°09'38" West, a distance of 42.00 feet to a point; run thence South 41"14'41" East, a distance of 10.00 feet to a point; run thence South 49°09'38" West, a distance of 269.67 feet to a point: run thence South 40°50'22" East, a distance of 485.00 feet to a point; run thence South 49°09'38" West, a distance of 155.00 feet to a point; run thence South 40°50'22" East, a distance of 220.00 feet to a point; run thence South 49°09'38" West, a distance of 15.00 feet to a point for the

From the Point of Beginning thus described, run South 49°09'38" West, a distance of 195.00 feet to a point; run thence South 40°50'22" East, a distance of 188.96 feet to a point; run thence North 49°09'38" East, a distance of 93.32 feet to a point on a curve, concave Southeasterly; run thence Northeasterly, along and around the arc of a curve, concave Southeasterly and having a radius of 118.15 feet, an arc distance of 105.15 feet, said arc being subtended by a chord bearing of North 50°21'58" East, a distance of 101.71 feet; run thence North 40°50'22" West, a distance of 191.10 feet to the Point of Beginning.

Those lands of Parcel "A" and Parcel "B" as described above and in the Title Commitment are the same lands described in Surveyor's Description Parcel A without gap, gore or overlap.

EXHIBIT B (MILL SITE) (Official Records Book 7101, Page 1756):

Portions of Sections 19, 22, 24, and Webb Place, subdivision of the John Broward Grant Section 46, Township 1 South, Range 27 East, according to Plat recorded in Plat Book 1, Pages 7 and 8, former Public Records of Jacksonville, Duval County, Florida, being more particularly described as follows:

For point of reference, commence at a concrete monument located at the point of Webb Place of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeast corner of said Section 22; run thence South 89°57'56" West, along the Westerly prolongation of said Northerly line of Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot right of way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 3,231.34 feet to a point; run thence South 89°21'22" West, parallel with the Southerly right of way line of Kraft Road (a 60 foot right of way, as now established), a distance of 1,639.56 feet to a point; run thence South 2'51'06" East, a distance of 1.845.0 feet to a point for the Point of Beainning.

From the Point of Beginning thus described, run North 2°51'06" West, a distance of 1,845.0 feet to a point; run thence North 89°21'22" East, parallel with said Southerly right of way line of Kraft Road, a distance of 1,639.56 feet to a point on said Westerly right of way line of Eastport Road; run thence South 10°23'56" East, along said Westerly right of way line, a distance of 4,796.00 feet to a concrete monument at the point of curvature; run thence in a said Eastport Road, said curve being concave to the Northeast and having a radius of 592.89 feet, an arc distance of 317.83 feet to a concrete monument at the point of tangency, the aforementioned arc having a chord bearing and distance of South 25°45'21" East, 314.04 feet; run thence South 41°06'46" East, along said Southwesterly right of way line, a distance of 806.21 feet to a concrete monument; run thence in a Southwesterly direction, along the arc of a curve in said Westerly right of way line, not tangent to last described line, said curve being concave to the Northwest and having a radius of 113.24 feet, an arc distance of 201.17 feet to a concrete monument at the point of tangency, the aforementioned arc having a chord bearing and distance of South 22°59'46" West. 175.74 feet: run thence South 73'53'14" West, along the Northerly right of way line of said Eastport Road, a distance of 166.73 feet to a concrete monument at the intersection of said Northerly line. with the Northerly right of way line of Heckscher Drive, as now established; run thence in a Westerly direction, along the arc of a curve in last mentioned Northerly right of way line, said curve not being tangent to last described line, said curve being concave to the South and having a radius of 766.78 feet, an arc distance of 387.82 feet to a concrete monument at a point of a second non-tangent curve, the aforementioned arc having a chord bearing and distance of South 72°37'12" West, 383.70 feet; run thence in a Southwesterly direction, along the arc of a curve in the Northwesterly right of way line of said Heckscher Drive, said curve being concave to the Southeast and having a radius of 483.06 feet, an arc distance of 275.68 fee to the point of tangency, the aforementioned arc having a chord bearing and distance of South 59°21'27" West, 271.95 feet; run thence South 43°00'30" West, along said Northwesterly right of way line, a distance of 129.62 feet to a point on the Southwesterly line of lands described in deed recorded in Official Records Volume 1344, Page 261, Public Records of said County; run thence North 56°55'00" West, along said Southwesterly line, a distance of 2.485.40 feet to the point of curvature: run thence in a Northwesterly direction, along the arc of a curve in said Southwesterly deed line, said curve being concave to the Northeast and having a radius of 1000.00 feet, an arc distance of 122.00 feet to the Westerly corner of said deed, the aforementioned arc having a chord bearing and distance of North 53°25'18" West. 121.92 feet; run thence in a Northerly direction, along the waters of the Broward River, following the meanderings of same, a distance of 3,150 feet, more or less, to a point which bears South 87°08'54" West from the Point of Beginning: run thence North 87°08'54" East. a distance of 40 feet, more or less, to the Point of Beginning.

TOGETHER WITH:

PARCEL B:

Portions of Sections 18, 19, 22, 23, and Webb Place, subdivision of the John Broward Grant, Section 46, Township 1 South, Range 27 East, according to plat recorded in Plat Book 1, Page 7 and 8, former Public Records of Jacksonville, Duval County, Florida, being more particularly described as follows:

For a Point of Reference, commence at a concrete monument located at the point of intersection of the North line of said Section 22 of said subdivision, with the East line of Webb Place of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeast corner of said Section 22; run thence North 89°57'56" East, along said North line, a distance of 1,325.83 feet to said concrete monument located at the Northeast corner of said Section 22: run thence South 76°37'10" West, a distance of 146.58 feet to a point for Point of Beginning.

From the Point of Beginning thus described, run North 00°24'12" West, a distance of 682.91 feet to a point; run thence North 53°56'47" East, a distance of 1,076.13 feet to a point; run thence South 60°07'28" East, a distance of 417.67 feet to a point; run thence South 36°36'37" East. a distance of 454.27 feet to a point; run thence South 43°25'48" West. a distance of 871.81 feet to a point; run thence South 35'36'59" East. a distance of 1.515.38 feet to a point: run thence South 54°38'17" West, a distance of 1.833.10 feet to a point lying on the Easterly prolongation of the Northerly line of lands described in Official Records Volume 365, Page 583, Public Records of said County; run thence South 89°57'39" West. alona said Easterly prolongation and along said Northerly line, a distance of 742.41 feet to the Northwesterly corner of said lands; run thence South 0°02'21" East, along the Westerly line of said lands, a distance of 202.96 feet to the Easterly corner of lands described in Official Records Volume 3204, Page 401, Public Records of said County; run thence South 54'56'50" West, along the Southeasterly line of said lands, a distance of 210.95 feet to a point lying on the Northeasterly right of way line of Eastport Road (a 66 foot right of way, as now established); run thence North 41°06'46" West, along said Northeasterly right of way line, a distance of 200.02 feet to a point lying on the Northwesterly line of said lands described in Official Records Volume 3204, Page 401; run thence North 54°56'50" East, along said Northwesterly line, a distance of 211.16 feet to the Northerly corner thereof; run thence North 51°36'05" West, a distance of 346.25 feet to a point; run thence North 26°44'44" West, a distance of 905.69 feet to a point: run thence North 10°06'08" West, a distance of 778.33 feet to a point; run thence South 79°36'04" West, perpendicular to the Easterly right of way line of said Eastport Road, a distance of 200.85 feet to a point lying on said Easterly right of way line; run thence North 10°23'56" West, along said Easterly right of way line, a distance of 434.92 feet to a point; run thence North 79'36'04" East, perpendicular to said Easterly right of way line, a distance of 418.59 feet to a point; run thence South 10°23'56" East, parallel to said Easterly right of way line, a distance of 432.27 feet to a point; run thence North 79°28'07" East, a distance of 751.68 feet to a point; run thence North 53°38'14" East, a distance of 226.55 feet to a point; run thence North 63'51'10" East, a distance of 297.92 feet to the Point of Beginning.

A portion of Webb Place of the subdivision of the John Broward Grant, Section 46, Township South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1. Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 and said subdivision (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89'57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, of distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot Public Right of Way as now established); run thence North 10° 23' 56" West along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly right of way line; run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652, Pages 2217-2228 of the Current Public Records of said Duval County, Florida; run thence Pages 2217-2228, the following three courses and distances: First Course; South 67'49'32' West, a distance of 316.23 feet to a point; Second Course; South 49° 13' 44" West, of distance of 270.00 feet to a point: Third Course; South 40'46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22: run thence South 89°57'56" West, along last said line a distance of 618.79 feet to a point; run thence North 40°49'39" West, a distance of 128.34 feet to a point; run thence South 4911' 04" West, a distance of 100.00 feet to a point; run thence North 40'49'39' West, a distance of 275.00 feet to a point: run thence South 4970'21" West, a distance of 100 feet to a point; run thence South 40°49'39" East, a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision; run thence South 89°57′56" West, along said line, a distance of 134.73 feet to

From the Point of Beginning thus described, run South 40°49'39" East, a distance of 427.65 feet to a point; run thence South 03'45'19" West, a distance of 74.96 feet to a point; run thence South 41"14'41" East, a distance of 54.38 feet to a point; run thence South 49"09'38' West, a distance of 42.00 feet to a point; run thence South 41"14'41" East, a distance of 10.00 feet to a point: run thence South 49°09'38" West, a distance of 269.67 feet to a point; run thence South 40°50'22" East, a distance of 485.00 feet to a point; run thence South 49°09'38" West, a distance of 155.00 feet to a point; run thence South 40°50'22" East, a distance of 220.00 feet to a point; run thence South 49°09'38" West, a distance of 210.00 feet to a point; run thence South 40°50'22" East, a distance of 188.96 feet to a point: run thence South 49°09'38" West, a distance of 175 feet, more or less, to the Mean High Water Line of the Broward River; run thence in a General Northwesterly and Northeasterly direction, along said Mean High Water Line, a distance of 2,350 feet, more or less, to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision, said point lying South 89°57'56" West, a distance of 395 feet, more or less, from the Point of Beginning; run thence North 89°57'56" East, along aforementioned line, a distance of 395 feet, more or less to the Point of Beginning.

A portion of Webb Place of the subdivision of the John Broward Grant, Section 46, Township South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly

For a Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89'57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot Public Right of Way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly right of way line; run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652, Pages 2217-2228 of the Current Public Records of said Duval County, Florida; run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652, Pages 2217-2228, the following Three Courses and Distances: First Course, South 67'49'32' West, a distance of 316.23 feet to a point; Second Course, South 49"13'44" West, a distance of 270.00 feet to a point; Third Course, South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22; run thence South 89°57'56" West, along last said line, a distance of 618.79 feet to a point; run thence North 40°49'39" West, a distance of 128.34 feet to a point: run thence South 49"11"04" West, a distance of 100.00 feet to a point; run thence North 40"49"39" West, a distance of 275.00 feet to a point; run thence South 4970'21" West, a distance of 100.00 feet to a point: run thence South 40°49'39" East, a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision; run thence South 89°57'56" West, along last said line, a distance of 134.73 feet to a point: run thence South 40°49'39" East, a distance of 427.65 feet to a point: run thence South 03'45'19" West, a distance of 74.96 feet to a point; run thence South 41"14'41" East, a distance of 54.38 feet to a point; run thence South 49°09'38" West, a distance of 42.00 feet to a point; run thence South 4174'41" East, a distance of 10.00 feet to a point; run thence South 49°09'38" West, a distance of 269.67 feet to a point; run thence South 40°50'22" East, a distance of 485.00 feet to a point; run thence South 49°09'38" West, a distance of 155.00 feet to a point; run thence South 40°50'22" East, a distance of 220.00 feet to a point; run thence South 49°09'38" West, a distance of 15.00 feet to a point for the

From the Point of Beginning thus described, run South 49°09'38" West, a distance of 195.00 feet to a point; run thence South 40°50'22" East, a distance of 188.96 feet to a point; run thence North 49°09'38" East, a distance of 93.32 feet to a point on a curve, concave Southeasterly, run thence Northeasterly, along and around the arc of a curve, concave Southeasterly and having a radius of 118.15 feet, an arc distance of 105.15 feet, said arc being subtended by a chord bearing of North 50°21'58" East, a distance of 101.71 feet; run thence North 40°50'22" West, a distance of 191.10 feet to the Point of Beginning.

Barclays Bank PLC, a Public Limited Company as Administrative and Collateral Agent; Cedar Bay Generating Company LP, a Delaware Limited Partnership; and Fidelity National Title Insurance Company, a California Corporation.

THIS IS TO CERTIFY THAT THIS MAP AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 6(b), 8, 9, 11(b), 13, 14, 15, 16, 17, 18, 20(a) AND 21 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON JANUARY 24, 2013.



NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

> KIE ICAL DAMON J. KELLY PROFESSIONAL SURVEYOR AND MAPPER STATE of FLORIDA LS No. 6284

DATE JANUARY 24, 2013

SHEET 1 OF 9 SEE SHEET 5 FOR GENERAL NOTES.

CHECKED BY:

A PORTION OF WEBB PLACE, SUBDIVISION OF THE JOHN BROWARD GRANT,
SECTION 46, TOWNSHIP 1 SOUTH, RANGE 27 EAST, DUVAL COUNTY, FLORIDA, AS DEPICTED
IN PLAT BOOK 1, PAGES 7 AND 8, OF THE FORMER PUBLIC RECORDS OF SAID COUNTY,
ALSO BEING A PORTION OF THOSE LANDS DESCRIBED AND RECORDED IN
OFFICIAL RECORDS BOOK 6222, PAGE 504, TOGETHER WITH A PORTION OF THOSE
LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 7101,
PAGE 1756, OF THE CURRENT PUBLIC RECORDS OF SAID COUNTY.

EASEMENT DESCRIPTIONS (per Title Commitment):

SOUTH RAILROAD EASEMENT (Official Records Book 7101, Page 1756):
A portion of Webb Place of the subdivision of the John Broward Grant, Section 46, Township 1
South, Range 27 East, Jacksonville, Duval County, Florida as recorded in Plat Book 1, Pages 7
and 8, of the former Public Records of said Duval County, and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325,83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly right of way line: run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Record Volume 6652, Pages 2217-2228 of the current Public Records of said Duval County, Florida; run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652, Pages 2217—2228, the following three courses and distances; First Course: South 67°49'32' West, a distance of 316.23 feet to a point; Second Course: South 49°13'44" West, a distance of 270.00 feet to a point, Third Course: South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22; run thence South 89°57'56" West, along last said line, a distance of 618.79 feet to a point; run thence North 40°49'39" West, a distance of 128.34 feet to a point: run thence South 49"11'04" West, a distance of 100.00 feet to a point: run thence North 40°49'39" West, a distance of 275.00 feet to a point: run thence South 49°10'21" West, a distance of 100.00 feet to a point; run thence South 40°49'39" East, a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision: run thence South 89°57'56" West, along last said line, a distance of 134.73 feet; run South 40°49'39" East, a distance of 427.65 feet to a point; run thence South 03°45'19" West, a distance of 74.96 feet to a point; run thence South 41"14'41" East, a distance of 54.38 feet to a point; run thence South 49°09'38" West, a distance of 42.00 feet to a point; run thence South 41"4'41" East, a distance of 10.00 feet to a point; run thence South 49°09'38" West, a distance of 269.67 feet to a point; run thence South 40°50'22" East, a distance of 485.00 feet to a point; run thence South 49°09'38" West, a distance of 155.00 feet to a point: run thence South 40°50'22" East, a distance of 220.00 feet to a point: run thence South 49°09'38" West, a distance of 210.00 feet to a point; run thence South 40°50'22" East, a distance of 188.96 feet to a point for Point of Beginning.

From the Point of Beginning thus described, run South 54°16'48" East, a distance of 103.22 feet to a point on a curve leading Southeasterly; run thence Southeasterly, along and around the arc of a curve, concave Easterly and having a radius of 118.15 feet, an arc distance of 70.04 feet, said arc being subtended by a chord bearing and distance of South 54°16'48" East, 69.02 feet; run thence South 54°16'48" East, a distance of 564.62 feet to a point; run thence South 33°14'16" West, a distance of 125 feet, more or less, to the Mean High Waterline of the Broward River; run thence along last said line in a general Northwesterly, Westerly and Easterly direction, a distance of 1,530 feet, more or less, to a point which lies South 49°09'38" West, a distance of 175 feet, more or less, to the Point of Beginning; run thence North 49°09'38" East, a distance of 175 feet, more or less, to the Point of Beginning.

TRANSMISSION RIGHT OF WAY EASEMENT (Official Records Book 7101, Page 1756):
A portion of Section 19 and Webb Place of the subdivision of the John Broward Grant, Section 46, Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57′56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57′56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23′56" West, along said Westerly right of way line, a distance of 1,341.87 feet to the Point of Beginning.

From the Point of Beginning thus described, run South 59°21'07" West, a distance of 1,959.89 feet: run thence North 40°49'39" West. a distance of 53.60 feet: run thence South 87°08'54" West, a distance of 155 feet, more or less, to the Mean High Waterline of the Broward River; run thence in a general Southerly direction, along said Mean High Water Line of the Broward River, a distance of 360 feet, more or less, to an intersection with said Westerly prolongation of the Northerly line of said Section 22, of the subdivision of the John Broward Grant: run thence North 89°57'56" East, along last said line (also being the Northerly line of those lands known as the Cogeneration Plant Site), a distance of 395 feet, more or less, to the Easterly line of said lands known as the Cogeneration Plant Site, run thence along last said line, the following courses: First Course, South 40°49'39" East, a distance of 427.65 feet; Second Course, South 03°45'19" West, a distance of 74.96 feet; Third Course, South 41°14'41" East, a distance of 54.38 feet; Fourth Course, South 49°09'38" West, a distance of 42.00 feet; Fifth Course, South 41"14'41" East, a distance of 10.00 feet; Sixth Course, South 49"09'38" West, a distance of 269.67 feet: Seventh Course. South 40°50'22" East, a distance of 150.00 feet: run thence North 12°28'54" West, a distance of 125.00 feet to a point which lies 40.0 feet, when measured perpendicular to the line of those lands known as the Cogeneration Plant Site: run thence North 49°09'38" East. parallel to last said line, a distance of 233.19 feet; run thence North 03°45'19" East, a distance of 172.74 feet to a point which lies 50.0 feet when measured perpendicular to said Easterly line known as the Cogeneration Plant site; run thence North 40°49'39" West, parallel to last said line, a distance of 605.14 feet; run thence North 49°10'21" East, a distance of 127.00 feet; run thence South 40°49'39" East, a distance of 300.00 feet; run thence North 4911'04" East, a distance of 50.00 feet; run thence North 40°49'39" West, a distance of 300.00 feet; run thence North 49°10'21" East, a distance of 196.55 feet; run thence North 59°21'07" East, a distance of 683.87 feet; run thence North 79°36'04" East, a distance of 791.45 feet to an intersection with said Westerly right of way line of Eastport Road; run thence North 10°23'56" West, along last said line, a distance of 40.00 feet: run thence South 79°36'04" West, a distance of 479.92 feet: run thence North 05°09'16" West, a distance of 122.19 feet: run thence North 59°21'07" East, a distance of 499.62 feet to an intersection with said Westerly right of way line of Eastport Road; run thence North 10°23'56" West, along last said line, a distance of 117.25 feet to the Point of

PIPELINE EASEMENT (Official Records Book 7101, Page 1756):
A portion of Webb Place of the subdivision of the John Broward Grant, Section 46, Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly described as follows:

For Point of Reference, commence at the concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57′56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established): run thence North 10°23'56" West, along said line: run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652, Pages 2217-2228 of the current Public Records of said Duval County, Florida, run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652, Pages 2217-2228, the following three courses and distances: First Course, South 67*49'32" West, a distance of 316.23 feet to a point; Second Course, South 49"13'44" West, a distance of 270.00 feet to a point; Third Course, South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22; run thence South 89°57'56" West, along last said line, a distance of 618.79 feet to a point: run thence North 40'49'39" West, a distance of 128.34 feet to a point; run thence South 49"11"04" West, a distance of 100.00 feet to a point; run thence North 40"49"39" West, a distance of 275.00 feet to a point; run thence South 49°10'21" West, a distance of 100.00 feet to a point; run thence South 40°49'39" East, a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision: run thence South 89°57'56" West. along last said line, a distance of 134.73 feet; run South 40°49'39" East, a distance of 427.65 feet to a point; run thence South 03°45'19 West, a distance of 74.96 feet to a point; run thence South 41"14'41" East, a distance of 54.38 feet to a point: run thence South 49.09.38" West, a distance of 42.00 feet to a point: run thence South 41"14'41" East. a distance of 10.00 feet to a point: run thence South 49°09'38" West, a distance of 269.67 feet to a point; run thence South 40°50'22" East, a distance of 485.00 feet to a point: run thence South 49°09'38" West, a distance of 155.00 feet to a point; run thence South 40°50'22" East, a distance of 220.00 feet to a point; run thence South 49°09'38" West, a distance of 210.00 feet to a point; run thence South 40°50'22" East, a distance of 188.96 feet to a point; run thence South 54°16'48" East, a distance of 103.22 feet to a point on the arc of a curve, leading Southeasterly; run thence Southeasterly, along and around the arc of a curve, concave Easterly and having a radius of 118.15 feet, an arc distance of 70.04 feet, said arc being subtended by a chord bearing and distance of South 5416'48" East, 69.02 feet; run thence South 5416'48" East, a distance of 516.34 feet to a point; run thence North 46°03'56" East, a distance of 75.72 feet to a point; run thence South 43°56'04" East, a distance of 105.22 feet to a point; run thence South 33"14'16" West, a distance of 5.06 feet to a point for the Point of Beginning

From the Point of Beginning thus described continue South 33°14'16" West, a distance of 40.05 feet to a point: run thence South 53°57'14" East, a distance of 87.85 feet to a point; run thence North 85°18'30" East. a distance of 219.06 feet to a point of curvature of a curve, leading Southeasterly; run thence Southeasterly, along and around the arc of a curve, concave Southwesterly and having a radius of 569.94 feet, an arc distance of 471.19 feet to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of South 71'00'27" East, 457.89 feet: run thence South 47'19'24" East, along said tangency, a distance of 206.72 feet to the point of curvature, leading Southerly, run thence Southerly, along and around the arc of a curve concave Westerly and havina a radius of 150.00 feet, an arc distance of 117.81 feet to the point of reverse curvature of a curve, leading Southerly, said arc being subtended by a chord bearing and distance of South 24°49'24" East, 114.81 feet; run thence Southerly, along and around the arc of said curve, an arc distance of 209.63 feet, said arc being subtended by a chord bearing and distance of South 18°24'04" East. 206.89 feet: run thence North 55°31'17" East. 179.60 feet to a point: run thence North 34°28'43" West, a distance of 12.50 feet to a point; run thence North 55°31'17" East. a distance of 6.26 feet to a point: run thence North 47°19'24" West. a distance of 790.54 feet to a point; run thence South 85° 18' 30" West. a distance of 471.75 feet to a point; run thence North 53°57'14" West, a distance of 74.96 feet to the Point of Beginning.

LIME MUD STORAGE PARCEL (Official Records Book 7101, Page 1756):
A portion of Section 19 of the subdivision of the John Broward Grant, Section 46, Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57′56″ West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57′56″ West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23′56″ West, along said Westerly right of way line, a distance of 3,231.34 feet to an intersection with the Northerly line of Parcel 'A', Exhibit 'B' (Plant Site), as recorded in Official Records Volume 6222, Pages 511–535, of the current Public Records of said Duval County, Florida; run thence South 89°21′22″ West, along last said line, a distance of 901.78 feet to the Point of Beginning.

From the Point of Beginning thus described, continue South 89°21'22" West, along said Northerly line of Parcel 'A', Exhibit 'B' (Plant Site), a distance of 487.97 feet; run the South 00°20'37" West, a distance of 637.57 feet; run thence North 84°01'01" East, a distance of 583.72 feet; run thence South 35°40'41" East, a distance of 502.30 feet; run thence North 34°15'20" East, a distance of 569.33 feet; run thence North 53°29'51" West, a distance of 873.57 feet to the Point of Beginning.

PIPELINE EASEMENT No. 2 (Official Records Book 7101, Page 1756):
A portion of Webb Place of the subdivision of the John Broward Grant, Section 46, Township 1
South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7
and 8, of the former Public Records of said Duval County, Florida, and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly right of way line; run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652. Page 2217-2228 of the current Public Records of said Duval County, Florida: run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652, Pages 2217-2228, the following three courses and distances; First Course, South 67*49'32" West, a distance of 316.23 feet to a point; Second Course, South 49"13'44" West, a distance of 270.00 feet to a point; Third Course, South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22; run thence South 89°57'56" West, along last said line, a distance of 618.79 feet to a point; run thence North 40°49'39" West, a distance of 128.34 feet to a point; run thence South 49'11'04" West, a distance of 100.00 feet to a point; run thence North 40'49'39" West, a distance of 275.00 feet to a point; run thence South 49°10'21" West, a distance of 100.00 feet to a point; run thence South 40°49'39" East, a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision; run thence South 89°57'56" West, along last said line, a distance of 134.73 feet to a point; run thence South 40°49'39" East, a distance of 427.65 feet to a point; run thence South 03°45'19" West, a distance of 74.96 feet to a point; run thence South 41°14'41" East, a distance of 54.38 feet to a point: run thence South 49°09'38" West, a distance of 42.00 feet to a point; run thence South 41"14'41" East, a distance of 10.00 feet to a point; run thence South 49°09'38" West, a distance of 269.67 feet to a point; run thence South 40°50'22" East, a distance of 485.00 feet to a point; run thence South 49°09'38" West, a distance of 135.00 feet to a point for the Point of Beginning.

From the Point of Beginning thus described, run South 49°09'38" West, a distance of 20.00 feet to a point; run thence South 40°50'22" East, a distance of 322.59 feet to a point; run thence South 49°25'03" West, a distance of 26.97 feet to a point; run thence South 40°34'57" East, a distance of 70.00 feet to a point; run thence North 49°25'07" East, a distance of 95.00 feet to a point; run thence South 40°34'57" East, a distance of 463.42 feet to a point; run thence South 21°23'12" East, a distance of 233.68 feet to a point; run thence North 46°03'56" East, a distance of 37.90 feet to a point; run thence South 43°56'04" East, a distance of 91.28 feet to a point; run thence North 21°23'12" West, a distance of 254.46 feet to a point; run thence North 40°34'57" West, a distance of 602.70 feet to a point; run thence South 49°25'03" West, a distance of 98.03 feet to a point; run thence North 40°50'22" West, a distance of 322.68 feet to the Point of Beginning.

PUMP STATION EASEMENT (Official Records Book 7101, Page 1756):
A portion of Webb Place of the subdivision of the John Broward Grant, Section 46, Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly line; run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652, Pages 2217-2228 of the current Public Records of said Duval County, Florida: run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652, Pages 2217-2228, the following three courses and distances: First Course, South 67'49'32" West, a distance of 316.23 feet to a point; Second Course, South 49°13'44" West, a distance of 270.00 feet to a point; Third Course, South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22; run thence South 89°57′56" West, along last said line, a distance of 618.79 feet to a point, run thence North 40°49'39" West, a distance of 128.34 feet to a point; run thence South 49°11'04" West, a distance of 100.00 feet to a point; run thence North 40°49'39" West, a distance of 275.00 feet to a point; run thence South 49°10'21" West, a distance of 100.00 feet to a point; run thence South 40°49'39" East. a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision; run thence South 89°57′56" West, along last said line, a distance of 134.73 feet; run South 40°49'39" East, a distance of 427.65 feet to a point; run thence South 03°45'19" West, a distance of 74.96 feet to a point; run thence South 41"14'41" East, a distance of 54.38 feet to a point; run thence South 49°09'38" West, a distance of 42.00 feet to a point; run thence South 41°14'41" East, a distance of 10.00 feet to a point; run thence South 49°09'38" West, a distance of 269.67 feet to a point: run thence South 40°50'22" East, a distance of 485.00 feet to a point; run thence South 49°09'38" West, a distance of 155.00 feet to a point; run thence South 40°50'22" East. a distance of 220.00 feet to a point: run thence South 49°09'38" West. a distance of 210.00 feet to a point; run thence South 40°50'22" East, a distance of 188.96 feet to a point: run thence South 5416'48" East, a distance of 103.22 feet to a point on the arc of a curve, leading Southeasterly, run thence Southeasterly, along and around the arc of a curve, concave Easterly and having a radius of 118.15 feet, an arc distance of 70.04 feet, said arc being subtended by a chord bearing and distance of South 54°16'48" East, 69.02 feet: run thence South 5416'48" East. a distance of 564.62 feet to the Point of

From the Point of Beginning thus described, run North 54°16'48" West, a distance of 48.28 feet to a point; run thence North 46°03'56" East, a distance of 75.72 feet to a point; run thence South 43°56'04" East, a distance of 105.22 feet to a point; run thence South 33°14'16" West, 160 feet, more or less, to the Mean High Water Line of the Broward River (formerly known as Cedar Creek); run thence, in a general Northwesterly direction, along last said line, a distance of 80 feet, more or less, to a point which bears South 33°14'16" West, 125 feet, more or less, from the Point of Beginning; run thence North 33°14'16" East, a distance of 125 feet, more or less, to the Point of Beginning.

LIFT STATION EASEMENT (Official Records Book 7101, Page 1756):
A portion of Webb Place of the subdivision of the John Broward Grant, Section 46, Township 1
South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7
and 8, of the former Public Records of said Duval County, Florida, and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision. (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established): run thence North 10°23'56" West, along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly right of way line; run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652, Paaes 2217-2228 of the current Public Records of said Duval County, Florida; run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652, Pages 2217-2228, the following three courses and distances: First Course, South 67°49'32" West, a distance of 316.23 feet to a point; Second Course, South 49°13'44" West, a distance of 270.00 feet to a point; Third Course, South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22; run thence South 89°57'56" West, along last said line, a distance of 618.79 feet to a point; run thence North 40°49'39" West, a distance of 128.34 feet to a point; run thence South 49"11"04" West, a distance of 100.00 feet to a point; run thence North 40"49"39" West, a distance of 275.00 feet to a point; run thence South 49°10'21" West, a distance of 100.00 feet to a point; run thence South 40°49'39" East, a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision; run thence South 89°57'56" West, along last said line, a distance of 134.73 feet; run South 40°49'39" East, a distance of 427.65 feet to a point; run thence South 03°45'19 West, a distance of 74.96 feet to a point; run thence South 41"14'41" East, a distance of 54.38 feet to a point: run thence South 49°09'38" West, a distance of 42.00 feet to a point: run thence South 41°14'41" East, a distance of 10.00 feet to a point; run thence South 49°09'38" West, a distance of 269.67 feet to a point; run thence South 40°50'22" East, a distance of 485.00 feet to a point; run thence South 49°09'38" West, a distance of 155.00 feet to a point; run thence South 40°50'22" East, a distance of 220.00 feet to a point; run thence South 49°09'38" West, a distance of 210.00 feet to a point; run thence South 40°50'22" East, a distance of d188.96 feet to a point; run thence South 54°16'48" East, a distance of 103.22 feet to a point on the arc of a curve, leading Southeasterly; run thence Southeasterly, along and around the arc of a curve, concave Easterly and having a radius of 118.15 feet, an arc distance of 70.04 feet, said arc being subtended by a chord bearing and distance of South 5416'48" East, 69.02 feet; run thence South 5416'48" East, a distance of 516.34 feet to a point; run thence North 46°03'56" East, a distance of 75.72 feet to a point; run thence South 43°56'04" East, a distance of 105.22 feet to a point; run thence South 33°14'16" West, a distance of 5.06 feet to a point; run thence South 53°57'14" East, a distance of 74.96 feet to a point; run thence North 8518'30" East, a distance of 471.75 feet to a point; run thence South 47"19'24" East, a distance of 590.54 feet to a point for the

From the Point of Beginning thus described, run North 55°31'17" East, a distance of 63.20 feet to a point; run thence South 34°28'43" East, a distance of 340.00 feet to a point; run thence South 55°31'17" West, a distance of 99.55 feet to a point on a curve and the Northwesterly right of way line of Heckscher Drive, State Road No. 105 (as said right of way is now established); run thence along said right of way line, the following two courses: First Course, along the arc of said curve, concave Southeasterly and having a radius of 766.78 feet, an arc distance of 104.65 feet to a point on a non-tangent curve, said arc being subtended by a chord bearing and distance of South 62°02'26" West, 104.57 feet; Second Course, along the arc of said curve, concave Southeasterly and having a radius of 483.06 feet, an arc distance of 17.53 feet to a point, said arc being subtended by a chord bearing and distance of South 74°40'02" West, 17.52 feet; thence departing from said right of way line, run North 34°28'43" West, a distance of 322.38 feet to a point; run thence North 55°31'17" East, a distance of 156.80 feet to the Point of Beginning.

EASEMENT FOR ROAD (Official Records Book 7101, Page 1756):
A portion of Section 19 and Webb Place of the subdivision of the John Broward Grant, Section 46, Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57′56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57′56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23′56" West, along said Westerly right of way line, a distance of 1,745.28 feet to the Point of Beainnina.

From the Point of Beginning thus described, run South 29°53'29" West, a distance of 626.29 feet; run thence South 08°42'09" West, a distance of 15.66 feet; run South 05°09'16" East, a distance of 64.63 feet; run South 59°21'07" West, a distance of 88.63 feet; run North 05°09'16" West, a distance of 112.50 feet; run North 08°42'09" East, a distance of 163.84 feet; run North 02°24'20" West, a distance of 190.16 feet; run North 01°22'46" East, a distance of 54.12 feet; run North 10°03'24" West, a distance of 206.69 feet; run North 27°56'55" West, a distance of 610.19 feet; run North 34°15'20" East, a distance of 90.43 feet; run South 27°56'55" East, a distance of 500.27 feet; run North 35°01'15" East, a distance of 62.78 feet; run North 79°37′58" East, a distance of 321.43 feet to an intersection with said Westerly right of way line of Eastport Road: run South 10°23'56" East, along last said line, a distance of 80.00 feet: thence South 79°37'58" West, a distance of 288.65 feet: run South 35°01'15" West, a distance of 70.78 feet: run South 27°56'55" East, a distance of 74.88 feet: run South 10°03'24" East. a distance of 227.29 feet: run South 01°22'46" West. a distance of 59.49 feet: run South 02°24'20" East. a distance of 144.49 feet: run North 29°53'29" East. a distance of 541.37 feet to said Westerly right of line of Eastport Road: run South 10°23'56" East, along last said line, a distance of 123.71 feet to the Point of Beginning.

PREPARED BY:

ROBERT M. ANGAS ASSOCIATES, INC.

14775 OLD ST. AUGUSTINE ROAD

JACKSONVILLE, FL 32258 (904) 642-8550

CERTIFICATE OF AUTHORIZATION NO. LB 3624

SHEET 2 OF 9
SEE SHEET 5 FOR GENERAL NOTES.

EASEMENT DESCRIPTIONS (per Title Commitment) (continued):

CAUSEWAY EASEMENT (Official Records Book 7101, Page 1756) A portion of Webb Place of the subdivision of the John Broward Grant, Section 46. Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1. Pages 7 and 8. of the former Public Records of said Duval County, Florida, and being more particularly

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1.325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57′56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly right of way line; run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652. Pages 2217 thru 2228 of the current Public Records of said Duval County, Florida: run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652. Pages 2217 thru 2228, the following three courses and distances: First Course: South 67°49'32" West, a distance of 316.23 feet to a point: Second Course: South 49°13'44" West. a distance of 270.00 feet to a point. Third Course: South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22; run thence South 89°57'56" West, along last said line, a distance of 618.79 feet to a point; run thence North 40°49'39" West, a distance of 128.34 feet to a point; run thence South 49°11'04" West, a distance of 100.00 feet to a point: run thence North 40°49'39" West, a distance of 275.00 feet to a point: run thence South 49°10'21" West, a distance of 100.00 feet to a point; run thence South 40°49'39" East, a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision; run thence South 89°57'56" West, along last said line, a distance of 332.50 feet to the Point of Beginning.

From the Point of Beginning thus described, run North 02°51'06" West, a distance of 2.025.47 feet; run thence South 86*59'53" West, a distance of 112.66 feet to an intersection with the Westerly line of Parcel A, of those lands described and recorded in Official Records Volume 6222, Pages 511 thru 535, of the current Public Records of said county; run thence along last said line the following three courses and distances: first course, South 02°51'06" East, distance of 699.63 feet to a point: second course. South 87°08'54" West, a distance of 40 feet. more or less, to the Mean High Water Line of the Broward River; third course, thence in a aeneral Southerly direction, along said Mean High Water Line of the Broward River, a distance of 1,320 feet, more or less, to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said Subdivision, and lying South 87°57'56" West, a distance of 198 feet, more or less, from the Point of Beginning; run thence North 89°57'56" East, along said Westerly prolongation, a distance of 198 feet, more or less, to the Point of Beainnina.

Less and Except those easements, right-of ways, and rights of easements recorded in the following instruments, in the current Public Records of said County:

A.) Deed Book 1769, Page 253 et seg

more particularly described as follows:

- B.) Deed Book 190. Page 156 et seg
- C.) Official Records Volume 452, Page 337 et seg D.) Official Records Volume 2517, Page 291 et seg

CAUSEWAY EASEMENT No. 2 (Official Records Book 7101, Page 1756): A portion of Section 19 and Webb Place of the subdivision of the John Broward Grant, Section 46. Township 1 South. Range 27 East. Jacksonville. Duval County. Florida. as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1.325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly right of way line; run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652. Pages 2217 thru 2228 of the current Public Records of said Duval County, Florida: run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652. Pages 2217 thru 2228, the following three courses and distances: First Course: South 67°49'32" West, a distance of 316.23 feet to a point: Second Course: South 49°13'44" West. a distance of 270.00 feet to a point. Third Course: South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22: run thence South 89°57'56" West, along last said line, a distance of 618.79 feet to a point; run thence North 40°49'39" West, a distance of 128.34 feet to a point; run thence South 4911'04" West, a distance of 100.00 feet to a point: run thence North 40'49'39" West, a distance of 275.00 feet to a point; run thence South 49'10'21" West, a distance of 100.00 feet to a point: run thence South 40'49'39" East. a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision; run thence South 89*57'56" West, along last said line, a distance of 1029.79 feet to the Point of Beginning.

From the Point of Beainning thus described, continue North 02°51'06" West, a distance of 600.00 feet to a point; run thence North 87°08'54" East, a distance of 150.00 feet to a point: run thence South 02°51'06" East, a distance of 600.00 feet to a point; run thence South 87°08'54" West, a distance of 150.00 feet to the Point of Beginning.

PERMANENT ACCESS ROAD EASEMENT (Official Records Book 7101, Page 1756) A portion of Webb Place of the subdivision of the John Broward Grant, Section 46, Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57′56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence South 10°23'56" East, along said Westerly right of way line, a distance of 144.81 feet to the Point of Beginning.

From the Point of Beginning thus described, continue South 10°23'56" East, along said Westerly right of way line of Eastport Road, a distance of 40.04 feet; thence South 77°06'14" West, 158.21 feet; thence South 61°04'42" West, 416.47 feet to the point of curvature, of a curve leading Southwesterly, thence Southwesterly, along and around the arc of a curve, concave Northwesterly and having a radius of 469.48 feet, an arc distance of 162.33 feet, to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of South 70°59'02" West, 161.53 feet; thence South 80°53'23" West, along said tangency, a distance of 31.76 feet, to the point of curvature. of a curve leading Southwesterly; thence Southwesterly, along and around the arc of a curve, concave Southeasterly and having a radius of 249.08 feet, an arc distance of 126.46 feet, to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of South 66°20'43" West, 125.10; thence South 51°48'04" West, along said tangency, a distance of 42.83 feet, to the point of curvature, of a curve leading Northwesterly; thence Northwesterly, along and around the arc of a curve, concave Northerly, and having a radius of 100.00 feet, an arc distance of 152.46 feet, to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of North 84°31'18" West, 138.12 feet; thence North 40°50'41" West, along said tangency, a distance of 141.15 feet, to the point of curvature, of a curve leading Westerly; thence Westerly, along and around the arc of a curve, concave Southerly and having a radius of 20.11 feet, an arc distance of 29.56 feet, to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of North 82°56'42" West, 26.97 feet; thence South 54°57'18" West, along said tangency, distance of 131.41 feet, to the point of curvature of a curve leading Northwesterly; thence Northwesterly, along and ground the arc of a curve, concave Northeasterly and having a radius of 60 feet an arc distance of 88.19 feet, to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of North 82°56'11" West, 80.46 feet; thence North 40°49'39" West, along said tangency a distance of 653.03 feet, to an intersection with said Westerly prolongation of the Northerly line of said Section 22, of the subdivision of the John Broward Grant; thence North 89°57'56" East, along last said line, a distance of 52.83 feet, to a point; thence South 40°49'39" East. 618.51 feet to the point of curvature of a curve leading Southeasterly, thence Southeasterly along and around the arc of a curve, concave Northeasterly, and having a radius of 20.00 feet, an arc distance of 29.40 feet, to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of South 82°56'11" East, 26.82 feet; thence North 54°57'18" East, along said tangency, a distance of 131.41 feet, to the point of curvature of a curve, leading Southeasterly, thence Southeasterly, along and around the arc of a curve, concave Southerly, and having a radius 60.11 feet, an arc distance of 88.34 feet, to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of South 82°56'42" East. 80.60 feet: thence South 40°50'41" East, along said tangency, a distance of 141.15 feet. to the point of curvature of a curve leading Southeasterly, thence Southeasterly, along and around the arc of a curve, concave Northeasterly, having a radius of 60.00 feet, and arc distance of 91.48 feet, to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of South 84°31'18" East, 82.87 feet; thence North 51°48'04" East, along said tangency, a distance of 42.83 feet, to the point curvature of a curve leading Northeasterly; thence Northeasterly, along and around the arc of a curve, concave Southeasterly, and having a radius of 289.08 feet, an arc distance of 146.76 feet, to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of North 66°20'43" East, 145.19 feet; thence North 80°53'23" East, along said tangency, a distance of 31.76 feet, to the point of curvature, of a curve leading Northeasterly, thence Northeasterly, along and around the arc of a curve, being concave Northwesterly, and having a radius of 429.48 feet, an arc distance of 148.50 feet, to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of North 70°59'02" East, 147.76 feet: thence North 61°04'42" East, along said tangency, a distance of 422.10 feet, to a point; thence North 77°06'14" East, a distance of 165.58 feet, to an intersection with said Westerly right of way line of Eastport Road, and the Point of Beginning.

CONSTRUCTION WAREHOUSE AND OFFICE AREA (Official Records Book 7101, Page 1756) A portion of Webb Place of the subdivision of the John Broward Grant. Section 46. Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision. (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1.325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57′56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly right of way line; run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652, Pages 2217 thru 2228 of the current Public Records of said Duval County, Florida: run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652, Pages 2217 thru 2228, the following three courses and distances: First Course: South 67'49'32" West, a distance of 316.23 feet to a point: Second Course: South 49'13'44" West, a distance of 270.00 feet to a point, Third Course: South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22; run thence South 89°57'56" West, along last said line, a distance of 618.79 feet to the Point of Beginning.

From the Point of Beginning thus described, run North 40°49'39" West, a distance of 128.34 feet to a point; run thence South 49°11'04" West, a distance of 100.00 feet to a point; run thence South 40'49'39" West, a distance of 275.00 feet to a point; run thence South 49°10'21" West, a distance of 100.00 feet to a point; run thence South 40°49'39" East, a distance of 688.13 feet to a point; run thence North 49°09'38" East, a distance of 200.00 feet to a point; run thence North 40°49'39" West, a distance of 284.73 feet to the Point of

CONSTRUCTION LAYDOWN AREA 1 (Official Records Book 7101, Page 1756): A portion of Webb Place of the subdivision of the John Broward Grant. Section 46. Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision. (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57′56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established): run thence North 10°23'56" West. along said Westerly right of way line, a distance of 890.02 feet to a point on said Westerly right of way line: run thence South 79°36'04" West, a distance of 508.51 feet to a point at the Northeasterly corner of those lands described and recorded in Official Records Volume 6652. Pages 2217 thru 2228 of the current Public Records of said Duval County, Florida: run thence along the Northerly and Westerly line of said lands recorded in Official Records Volume 6652, Pages 2217 thru 2228, the following three courses and distances: First Course: South 67°49'32" West, a distance of 316.23 feet to a point: Second Course: South 49°13'44" West, a distance of 270.00 feet to a point, Third Course: South 40°46'16" East, a distance of 644.88 feet to an intersection with said Westerly prolongation of said Northerly line of said Section 22; run thence South 89°57'56" West, along last said line, a distance of 618.79 feet to a point: run thence North 40°49'39" West. a distance of 128.34 feet to a point; run thence South 49"1"'04" West, a distance of 100.00 feet to a point; run thence North 40'49'39" West, a distance of 275.00 feet to a point: run thence South 49'10'21" West, a distance of 100.00 feet to a point: run thence South 40'49'39" East. a distance of 230.77 feet to an intersection with said Westerly prolongation of the Northerly line of Section 22 of said subdivision; run thence South 89°57'56" West, along last said line, a distance of 134.73 feet; run thence South 40'49'39" East, a distance of 427.65 feet to a point; run thence South 03°45'19" West, a distance of 74.96 feet to a point; run thence South 41°14'41" East, a distance of 54.38 feet to a point; run thence South 49°09'38" West, a distance of 42.00 feet to a point; run thence South 41"14'41" East, a distance of 10.00 feet to a point; run thence South 49°09'38" West, a distance of 269.67 feet to a point; run thence South 40°50'22" East, a distance of 485.00 feet to a point; run thence South 49°09'38" West, a distance of 155.00 feet to a point; run thence South 40°50'22" East, a distance of 220.00 feet to a point; run thence South 49°09'38" West, a distance of 210.00 feet to a point; run thence South 40°50'22" East, a distance of 188.96 feet to a point for Point of Beainnina.

From the Point of Beginning thus described, run North 40°50'22" West, a distance of 188.96 feet to a point: run thence North 49°09'38" East, a distance of 195.00 feet to a point; run thence South 40°50'22" East, a distance of 191.10 feet to a point on a curve, leading Southwesterly; run thence Southwesterly, along and around the arc of a curve, concave Southerly and having a radius of 118.15 feet, an arc distance of 454.61 feet, said arc being subtended by a chord bearing and distance of South 34°22'10" East, 221.72 feet to a point on said curve; thence departing from said curve, run South 40°50'22" East. a distance of 330.00 feet; run thence South 49°09'38" West, a distance of 195 feet, more or less, to the Mean High Water Line of the Broward River; run thence along last said line, in a general Northwesterly, Westerly and Easterly direction, a distance of 1,310 feet, more or less, to a point which lies South 49°09'38" West, 175 feet, more or less, from the Point of Beginning; run thence North 49°09'38" East, a distance 175 feet, more or less, to the Point of

CONSTRUCTION LAYDOWN AREA 2 (Official Records Book 7101, Page 1756). A portion of Section 19 and Webb Place of the subdivision of the John Broward Grant, Section 46, Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision. (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57′56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 1341.87 feet to a point; run thence South 59°21'07" West, a distance of 1493.54 feet to the Point of Beginning.

From the Point of Beginning thus described, run thence North 39°57'23" West, a distance of 330.35 feet; run thence North 70°51'19" West, a distance of 355.62 feet; run thence South 02°55'20" East, a distance of 435.27 feet to the point of curve, leading Southeasterly; run thence Southeasterly, along and around the arc of a curve, being concave Easterly and having a radius of 88.46 feet, an arc distance of 58.52 feet to the point of tangency of said curve, said arc being subtended by a chord bearing and distance of South 21°52'30" East, a distance of 57.46 feet; run thence along said tangent, South 40°49'39" East, a distance of 292.28 feet; run thence North 4910'21" East, a distance of 351.77 feet; run thence North 59°21'07" East, a distance of 107.85 feet; run thence North 39°57'23" West, a distance of 70.93 feet to the Point of Beginning.

CONSTRUCTION LAYDOWN AREA 3 (Official Records Book 7101, Page 1756): A portion of Section 19 and Webb Place of the subdivision of the John Broward Grant, Section 46, Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22; run thence South 89°57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 1341.87 feet to a point; run thence South 59°21'07" West, a distance of 532.07 feet to the Point of Beginning.

From the Point of Beginning thus described, run thence South 05°09'16" East, a distance of 77.55 feet; run thence South 59°21'07" West, a distance of 458.07 feet; run thence North 17°54'38" West, a distance of 923.07 feet; run thence South 87°31'54" East, a distance of 676.01 feet; run thence South 10°03'24" East, a distance of 20.71 feet; run thence South 01°22'46" West, a distance of 54.12 feet; run thence South 02°24'20" East, a distance of 190.16 feet; run thence South 08'42'09" West, a distance of 163.84 feet; run thence South 05°09'16" East, a distance of 112.50 feet to the Point of Beginning.

CONSTRUCTION LAYDOWN AREA 4 (Official Records Book 7101. Page 1756): A portion of Section 19 and Webb Place of the subdivision of the John Broward Grant. Section 46, Township 1 South, Range 27 East, Jacksonville, Duval County, Florida, as recorded in Plat Book 1, Pages 7 and 8, of the former Public Records of said Duval County, Florida, and being more particularly described as follows:

For Point of Reference, commence at a concrete monument located at the point of intersection of the Northerly line of Section 22 of said subdivision, (also being the Southerly line of Section 19 of said subdivision), with the Easterly line of said subdivision, said monument lying South 89°57'56" West, a distance of 1,325.83 feet from a concrete monument located at the Northeasterly corner of said Section 22: run thence South 89°57'56" West, along the Westerly prolongation of the Northerly line of said Section 22, a distance of 578.30 feet to a point on the Westerly right of way line of Eastport Road (a 66 foot public right of way, as now established); run thence North 10°23'56" West, along said Westerly right of way line, a distance of 1341.87 feet to a point; run thence South 59'21'07" West, a distance of 443.44 feet to the Point of Beginning.

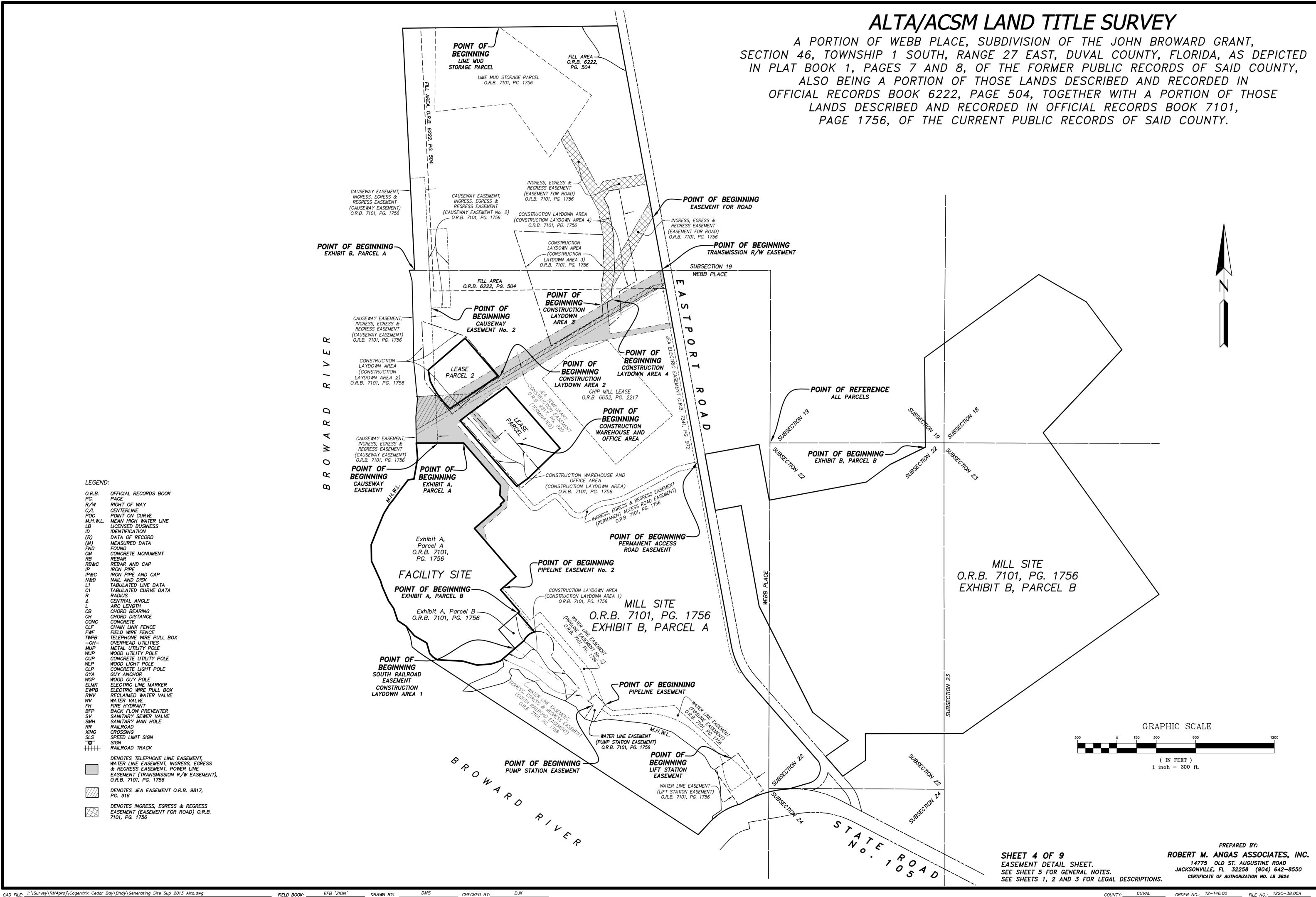
From the Point of Beginning thus described, continue South 59°21'07" West, a distance of 44.31 feet; run thence South 05°09'16" East, a distance of 180.16 feet; run thence North 47'18'53" East, a distance of 122.13 feet; run thence North 03'53'21" West, a distance of 180.40 feet; run thence North 58°09'11" East, 153.94 feet; run thence North 10°55'34" West, a distance of 711.30 feet; run thence South 79°37'58" West, a distance of 75.01 feet; run thence South 35°01'15" West, a distance of 70.78 feet; run thence South 27°56'55" East, a distance of 74.88 feet; run thence South 10°03'24" East, a distance of 227.29 feet; run thence South 01°22'46" West, a distance of 59.49 feet; run thence South 02°24'20" East. a distance of 195.29 feet; run thence South 08°42'09" West, a distance of 161.89 feet: run thence South 05°09'16" East, a distance of 64.63 feet to the Point of Beainning.

SHEET 3 OF 9

SEE SHEET 5 FOR GENERAL NOTES.

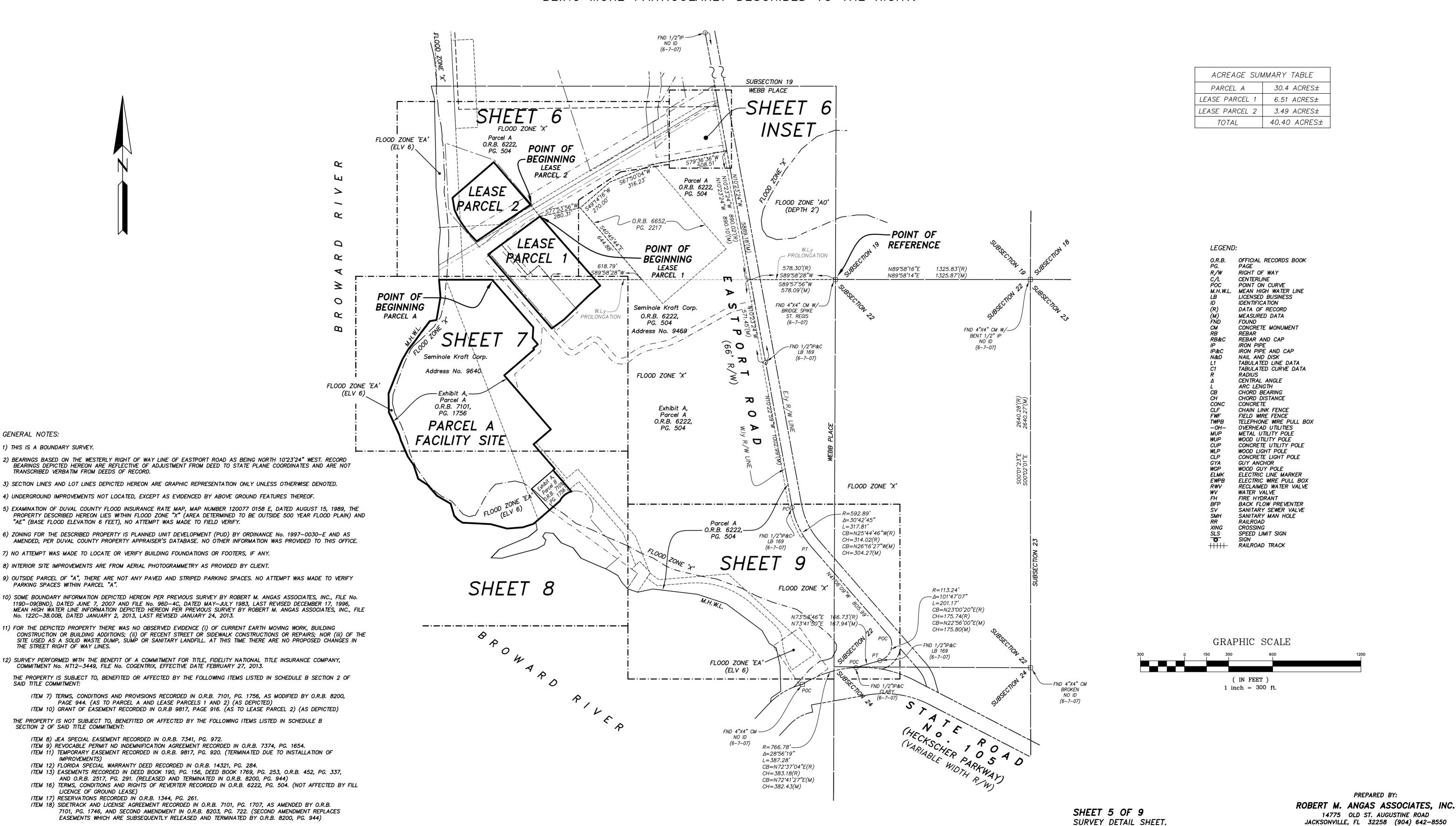
PREPARED BY:

ROBERT M. ANGAS ASSOCIATES. INC. 14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FL 32258 (904) 642-8550 CERTIFICATE OF AUTHORIZATION NO. LB 3624



ALTA/ACSM LAND TITLE SURVEY

A PORTION OF WEBB PLACE, SUBDIVISION OF THE JOHN BROWARD GRANT, SECTION 46, TOWNSHIP 1 SOUTH, RANGE 27 EAST, DUVAL COUNTY, FLORIDA, AS DEPICTED IN PLAT BOOK 1, PAGES 7 AND 8, OF THE FORMER PUBLIC RECORDS OF SAID COUNTY, ALSO BEING A PORTION OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 6222, PAGE 504, TOGETHER WITH A PORTION OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 7101, PAGE 1756, OF THE CURRENT PUBLIC RECORDS OF SAID COUNTY, BEING MORE PARTICULARLY DESCRIBED TO THE RIGHT.



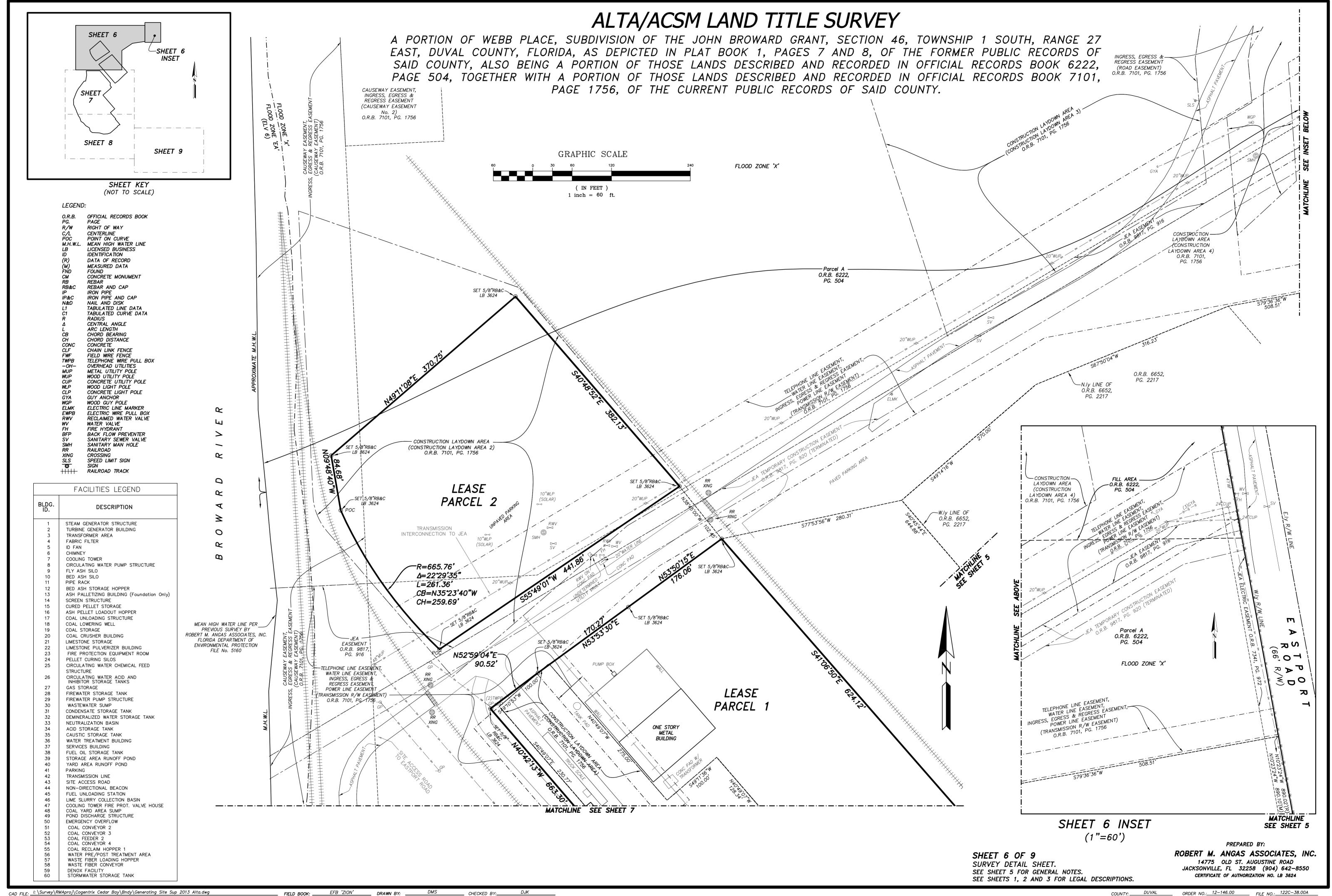
SEE SHEETS 1, 2 AND 3 FOR LEGAL DESCRIPTIONS.

CERTIFICATE OF AUTHORIZATION NO. LB 3624

ALL THE ABOVE ITEMS RECORDED IN THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA.

GENERAL NOTES:

1) THIS IS A BOUNDARY SURVEY



ALTA/ACSM LAND TITLE SURVEY A PORTION OF WEBB PLACE, SUBDIVISION OF THE JOHN BROWARD GRANT, SECTION 46, TOWNSHIP 1 SOUTH, RANGE 27 EAST, DUVAL COUNTY, FLORIDA, AS DEPICTED IN PLAT BOOK 1, PAGES 7 AND 8, OF THE FORMER PUBLIC RECORDS OF SAID COUNTY, ALSO BEING A PORTION OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 6222, PAGE 504, TOGETHER WITH A PORTION OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 7101, PAGE 1756, OF THE CURRENT PUBLIC RECORDS OF SAID COUNTY. MATCHLINE SEE SHEET 6 \$40'49'07 230.77 SET 5/8" RB&C GUARD BUILDING S89°58'28"W INGRESS, EGRESS & REGRESS EASEMENT N89'58'28"E 314.13' (TO WITNESS) (CAUSEWAY EASEMENT) O.R.B. 7101, PG. 1756 N89.58,28"E 395'±(R) PROLONGATION SET 5/8"RB&C -LB 3624 -N89°58°28″E POINT OF-LEASE NW CORNER OF BEGINNING PARCEL : PARCEL A NE.Iy CORNER OF PARCEL "A" — CONSTRUCTION LAYDOWN AREA — (CONSTRUCTION LAYDOWN AREA) O.R.B. 7101, PG. 1756 FIRE TOWER (FOOTPRINT) 10 GRAPHIC SCALE (IN FEET) S03'45'51"W 74.96'(R) -S03'49'23"W 74.82'(M) FND 1/2" IP&C — LB 169 MEAN HIGH WATER LINE PER -**S41'14'09"E 54.38'(R)**S41'19'13"E 54.46'(M) PREVIOUS SURVEY BY ROBERT M. ANGAS ASSOCIATES, INC. FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FILE No. 5160 SHEET KEY (NOT TO SCALE) **S49 10'10"W 42.00'(R)** - S49'46'25"W 42.14'(M) S4174'09"E 10.00'(R) FACILITIES LEGEND S40'42'06"E 10.40'(M) DESCRIPTION STEAM GENERATOR STRUCTURE TURBINE GENERATOR BUILDING TRANSFORMER AREA FABRIC FILTER ID FAN CHIMNEY COOLING TOWER CIRCULATING WATER PUMP STRUCTURE FLY ASH SILO BED ASH SILO PIPE RACK BED ASH STORAGE HOPPER LÉ 3624 ASH PALLETIZING BUILDING (Foundation Only) SCREEN STRUCTURE CURED PELLET STORAGE ASH PELLET LOADOUT HOPPER COAL UNLOADING STRUCTURE PARCEL A COAL LOWERING WELL O.R.B. 6222, COAL STORAGE PG. 504 COAL CRUSHER BUILDING LIMESTONE STORAGE (1) LIMESTONE PULVERIZER BUILDING FIRE PROTECTION EQUIPMENT ROOM LEGEND: (PJ) PELLET CURING SILOS CIRCULATING WATER CHEMICAL FEED OFFICIAL RECORDS BOOK STRUCTURE CIRCULATING WATER ACID AND INHIBITOR STORAGE TANKS RIGHT OF WAY Parcel A CENTERLINE O.R.B. 7101, GAS STORAGE POINT ON CURVE PG. 1756 FIREWATER STORAGE TANK MEAN HIGH WATER LINE FIREWATER PUMP STRUCTURE LICENSED BUSINESS WASTEWATER SUMP IDENTIFICATION (R) (M) FND CM RB RB&C IP IP&C N&D CONDENSATE STORAGE TANK DATA OF RECORD DEMINERALIZED WATER STORAGE TANK MEASURED DATA NEUTRALIZATION BASIN CONCRETE MONUMENT ACID STORAGE TANK CAUSTIC STORAGE TANK REBAR AND CAP WATER TREATMENT BUILDING IRON PIPE SERVICES BUILDING IRON PIPE AND CAP FUEL OIL STORAGE TANK NAIL AND DISK STORAGE AREA RUNOFF POND TABULATED LINE DATA YARD AREA RUNOFF POND TABULATED CURVE DATA PARKING CENTRAL ANGLE TRANSMISSION LINE ARC LENGTH SITE ACCESS ROAD CHORD BEARING NON-DIRECTIONAL BEACON CHORD DISTANCE FUEL UNLOADING STATION CONCRETE CONC CLF FWF TWPB -OH-MUP WUP WLP CLP GYA WGP ELMK LIME SLURRY COLLECTION BASIN CHAIN LINK FENCE COOLING TOWER FIRE PROT. VALVE HOUSE FIELD WIRE FENCE COAL YARD AREA SUMP POND DISCHARGE STRUCTURE TELEPHONE WIRE PULL BOX OVERHEAD UTILITIES EMERGENCY OVERFLOW **₹** COAL CONVEYOR 2 WOOD UTILITY POLE COAL CONVEYOR 3 COAL FEEDER 2 COAL CONVEYOR 4 CONCRETE UTILITY POLE WOOD LIGHT POLE CONCRETE LIGHT POLE COAL RECLAIM HOPPER 1 GUY ANCHOR WATER PRE/POST TREATMENT AREA WOOD GUY POLE **%** ELECTRIC LINE MARKER WASTE FIBER LOADING HOPPER ELECTRIC WIRE PULL BOX WASTE FIBER CONVEYOR RECLAIMED WATER VALVE DENOX FACILITY STORMWATER STORAGE TANK WATER VALVE FIRE HYDRANT BACK FLOW PREVENTER SANITARY SEWER VALVE SANITARY MAN HOLE PREPARED BY: RAILROAD ROBERT M. ANGAS ASSOCIATES, INC. XING SLS CROSSING SHEET 7 OF 9 SPEED LIMIT SIGN

MATCHLINE SEE SHEET 8

SURVEY DETAIL SHEET.

SEE SHEET 5 FOR GENERAL NOTES.

SEE SHEETS 1, 2 AND 3 FOR LEGAL DESCRIPTIONS.

14775 OLD ST. AUGUSTINE ROAD

JACKSONVILLE, FL 32258 (904) 642-8550

CERTIFICATE OF AUTHORIZATION NO. LB 3624

RAILROAD TRACK

ALTA/ACSM LAND TITLE SURVEY A PORTION OF WEBB PLACE, SUBDIVISION OF THE JOHN BROWARD GRANT, SECTION 46, TOWNSHIP 1 SOUTH, RANGE 27 EAST, DUVAL COUNTY, FLORIDA, AS DEPICTED IN PLAT BOOK 1, PAGES 7 AND 8, OF THE FORMER PUBLIC RECORDS OF SAID COUNTY, ALSO BEING A PORTION OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 6222, PAGE 504, TOGETHER WITH A PORTION OF THOSE LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 7101, PAGE 1756, OF THE CURRENT PUBLIC RECORDS OF SAID COUNTY. MATCHLINE SEE SHEET 7 SHEET 8 SHEET 9 SHEET KEY Parcel A O.R.B. 7101, PG. 1756 (NOT TO SCALE) 15.00'(R&M) PARCEL A MEAN HIGH WATER LINE PER— PREVIOUS SURVEY BY ROBERT M. ANGAS ASSOCIATES, INC. S49°10'10"W — 93.32'(R) ENVIRONMENTAL PROTECTION - Δ=50°59'22" CB=S50°21'58"W(R&M) CH=101.71'(R&M)FACILITIES LEGEND DESCRIPTION REFERENCE POINT "A" STEAM GENERATOR STRUCTURE TURBINE GENERATOR BUILDING SET 5/8" RB&C 'WITNESS' TRANSFORMER AREA LB 3624 FABRIC FILTER ID FAN CHIMNEY COOLING TOWER CIRCULATING WATER PUMP STRUCTURE FLY ASH SILO BED ASH SILO PIPE RACK BED ASH STORAGE HOPPER ASH PALLETIZING BUILDING (Foundation Only) SCREEN STRUCTURE LEGEND: CURED PELLET STORAGE ASH PELLET LOADOUT HOPPER OFFICIAL RECORDS BOOK PAGE COAL UNLOADING STRUCTURE 12"WLP COAL LOWERING WELL RIGHT OF WAY COAL STORAGE CENTERLINE COAL CRUSHER BUILDING POINT ON CURVE LIMESTONE STORAGE M.H.W.L. MEAN HIGH WATER LINE LIMESTONE PULVERIZER BUILDING LICENSED BUSINESS FIRE PROTECTION EQUIPMENT ROOM IDENTIFICATION PELLET CURING SILOS DATA OF RECORD MEAN HIGH WATER LINE PER -CIRCULATING WATER CHEMICAL FEED MEASURED DATA PREVIOUS SURVEY BY ROBERT M. ANGAS ASSOCIATES, INC. STRUCTURE CONCRETE MONUMENT REBAR CIRCULATING WATER ACID AND INHIBITOR STORAGE TANKS FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REBAR AND CAP GAS STORAGE IRON PIPE IRON PIPE AND CAP NAIL AND DISK TABULATED LINE DATA FIREWATER STORAGE TANK FIREWATER PUMP STRUCTURE WASTEWATER SUMP CONDENSATE STORAGE TANK TABULATED CURVE DATA DEMINERALIZED WATER STORAGE TANK NEUTRALIZATION BASIN CENTRAL ANGLE ACID STORAGE TANK ARC LENGTH CHORD BEARING CAUSTIC STORAGE TANK CHORD DISTANCE WATER TREATMENT BUILDING CONCRETE SERVICES BUILDING CHAIN LINK FENCE FIELD WIRE FENCE FUEL OIL STORAGE TANK STORAGE AREA RUNOFF POND TELEPHONE WIRE PULL BOX YARD AREA RUNOFF POND OVERHEAD UTILITIES METAL UTILITY POLE WOOD UTILITY POLE PARKING TRANSMISSION LINE SITE ACCESS ROAD CONCRETE UTILITY POLE WOOD LIGHT POLE CONCRETE LIGHT POLE NON-DIRECTIONAL BEACON FUEL UNLOADING STATION GUY ANCHOR LIME SLURRY COLLECTION BASIN WOOD GUY POLE ELECTRIC LINE MARKER COOLING TOWER FIRE PROT. VALVE HOUSE COAL YARD AREA SUMP GRAPHIC SCALE ELECTRIC WIRE PULL BOX POND DISCHARGE STRUCTURE RECLAIMED WATER VALVE EMERGENCY OVERFLOW WATER VALVE COAL CONVEYOR 2 FIRE HYDRANT COAL CONVEYOR 3 BACK FLOW PREVENTER COAL FEEDER 2 SANITARY SEWER VALVE COAL CONVEYOR 4 SANITARY MAN HOLE (IN FEET) COAL RECLAIM HOPPER 1 RAILROAD WATER PRE/POST TREATMENT AREA 1 inch = 60 ft.CROSSING SPEED LIMIT SIGN WASTE FIBER LOADING HOPPER SIGN RAILROAD TRACK WASTE FIBER CONVEYOR STORMWATER STORAGE TANK PREPARED BY:

SHEET 8 OF 9

SURVEY DETAIL SHEET.

SEE SHEET 5 FOR GENERAL NOTES.

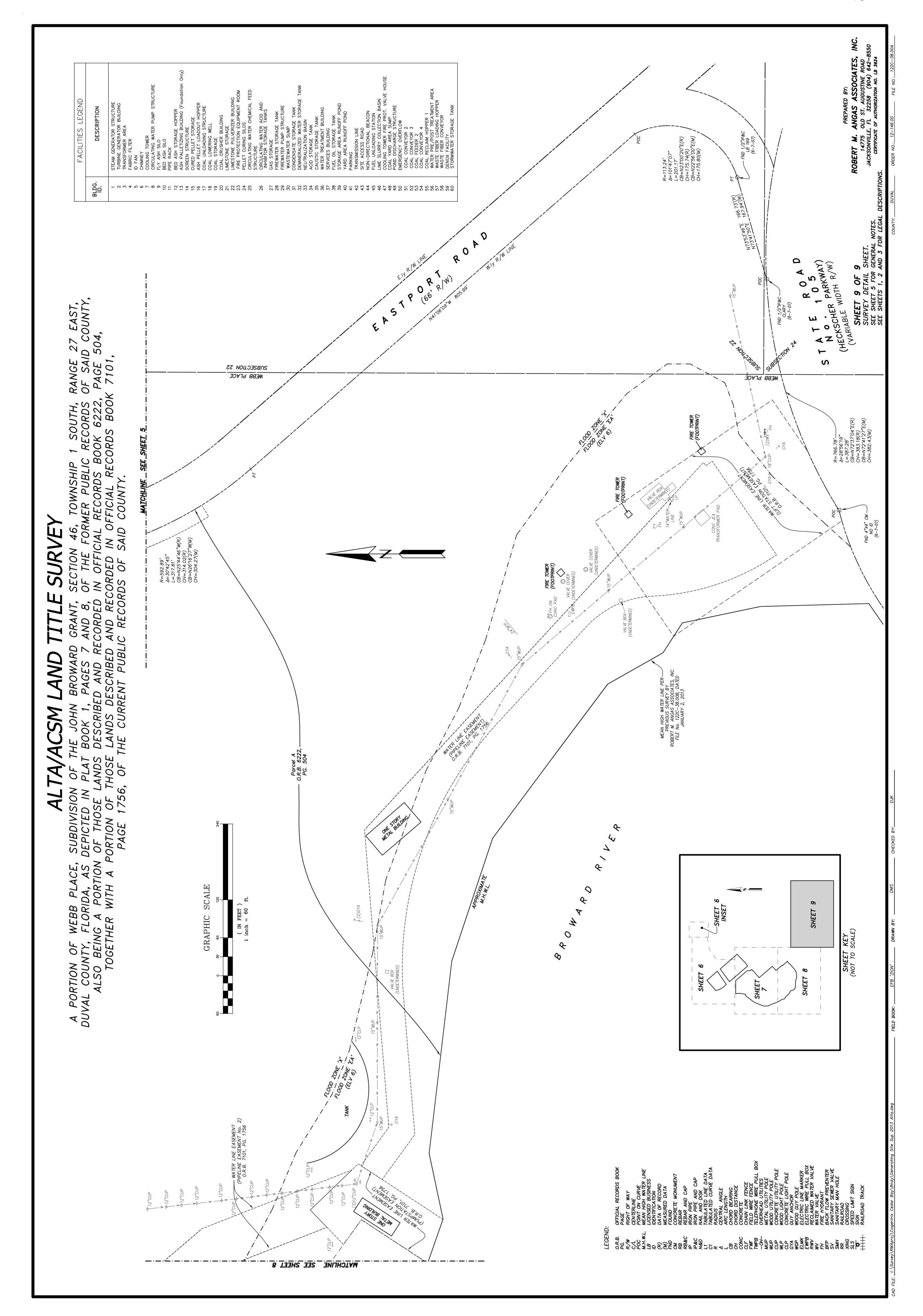
SEE SHEETS 1, 2 AND 3 FOR LEGAL DESCRIPTIONS.

ROBERT M. ANGAS ASSOCIATES, INC.

14775 OLD ST. AUGUSTINE ROAD

JACKSONVILLE, FL 32258 (904) 642-8550

CERTIFICATE OF AUTHORIZATION NO. LB 3624



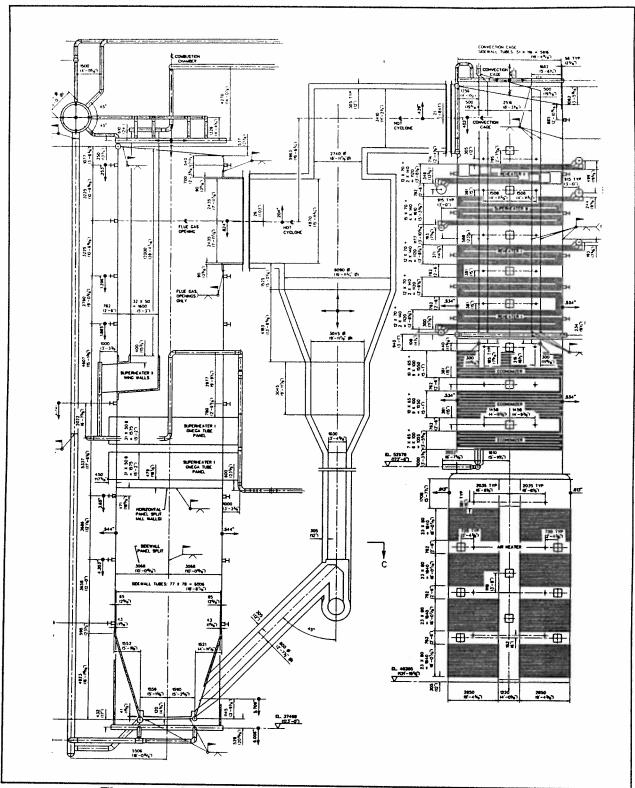


Figure 32 SIDE ELEVATION DRAWING OF YOUR PLANT

TOSHIBA

E- KC00478

INSTRUCTION MANUAL

DESIGN DATA AND CONSTRUCTION

FOR 343, 000 kVA GENERATOR

TOSHIBA CORPORATION

		Page
1.1 GE	NERAL DESCRIPTION	2
1.1.1	General	2
1.1.2	Design Data	3
1.2 DE	SCRIPTION OF EQUIPMENT	5
1.2.1	Generator Structure	5
1.2.2	Attachment Drawings	32

1.1 GENERAL DESCRIPTION

1.1.1 General

This instruction manual gives overall design data and descriptions of 343,000kVA generator and its auxiliary units installed at AES CEDAR BAY COGEN.PLANT

The electrical power output capability of a single generator is 291,550kW at a power factor of 0.85 lagging. The generator which is located in the power house at EL 132'-0", is mechanically driven by its associated steam turbine, electrically excited by the static thyristor rectifier excitation system and internally cooled by hydrogen gas and stator cooling water.

1.1.2 Design Data

a. Type

Three phase synchronous generator totally enclosed, direct coupled to steam turbine.

b. Cooling System

Stator winding : Direct water cooled

Stator core : Hydrogen cooled

Rotor winding : Direct hydrogen cooled

c. Rating

Rating Continuous

Nominal rated capacity 343 MVA

at 45Psi g

hydrogen pressure

Power factor 0.85 (lagging)

Rated hydrogen pressure 45Psi g

Number of phases 3

Number of poles 2

Frequency 60 Hz

Rates speed 360 \rpm

Terminal voltage 20 kV

Short circuit ratio Not less than 0.58

at rated MVA (343 MVA base)

Insulation Class-Stator Class F

-Rotor Class F

Excitation Static excitation system

with thyristor

d. Cooling Gas

Cooling gas flow rate through generator : Cf/s(at 45psi g)

Cooling gas inlet temperature : 115 ° F

: 151°F Cooling gas outlet temperature

Water flow through stator winding: 174 g/min

f. Hydrogen Gas cooler

: 4 units/one generator Quantity

Cooling water flow rate per unit : 343 g/min

Total cooling water flow : 1372 g/min

Cooling water inlet temperature : 97 °F

Cooling water outlet temperature : 1106 °F

Head loss : Approx. 10.8 ft Aq

Cooling water quality : Fresh water

TOSHIBA

E-KS100195

INSTRUCTION MANUAL	
GENERAL DESCRIPTION	

TOSHIBA CORPORATION

X F 2011

General Description

This turbine is a tandem-compound reheat unit with double-flow low pressure stages. The design incorporates features which have proved their reliability and efficiency in a large number of units operating at comparable conditions.

This turbine has an opposed-flow, high-pressure reheat section and double-flow, low-pressure section. The high-pressure steam initially enters the turbine near the middle of the high pressure span and flows through the high-pressure stages toward the turbine end of the unit.

The steam leaves the high-pressure section and returns to the reheat section of the boiler. The reheated steam returns to the turbine through the combined reheat valves, and again enters the turbine near the middle. Of the high-pressure span. The steam then flows toward the generator through the reheat stages. After passing through the reheat stages, the steam enters the single crossover pipe from which steam enters the double-flow section. After passing through the low-pressure stages, the steam is exhaused downward into the condenser.

The exhaust hood is keyed to the foundation plates around its side of the hood to prevent axial movement.

The turbine expands axially from this point. The front standard is free to slide axially on its foundation plate, but the standard and hood are guided to prevent transverse movement.

All of the shells and hood are provided with bolted, horizontal joints for access to the steam path parts for inspection and maintenance. The joints of the shells and hood are accurately machined to give full metal-to metal contact and to assure a steam-tight joint.

TOSHIBA

 $\text{E-KS}200243\, \alpha$

INSTRUCTION MANU	AL	
RATING AND	DESIGN	DATA

TOSHIBA CORPORATION

Rating and Design Data

1. Type of Turbine Tandem Compound 2 Cylinders

2 Flow Exhaust Reheat Turbine

2. Rated Output 285,000 kW

3. Rated Speed 3,600 rpm

4. Direction of Rotation Counter-clock-wise

(seeing from turbine end)

5. Steam Conditions

Main Steam Pressure at MSV inlet 1,890 psig
Main Steam Temperature at MSV inlet 1000 F
Reheat Steam Temperature at CRV inlet 1000 F

6. Exhaust Vacuum 3" Hg abs.

7. Number of Extractions 6

8. Number of Stages

HP Turbine 7 Stages
IP Turbine 4 Stages

LP Turbine 6 Stages x 2 Flows

Number of Wheels 23

Sec. 2

DWG.NO.4KA39752

SHIPPING DIMENSION AND WEIGHT

FOR

MAJOR ITEMS

FOR

(1 /

Ch

AES CEDAR BAY INC.

CEDAR BAY COGENERATION

JUN 1992

TOSHIBA CORPORATION

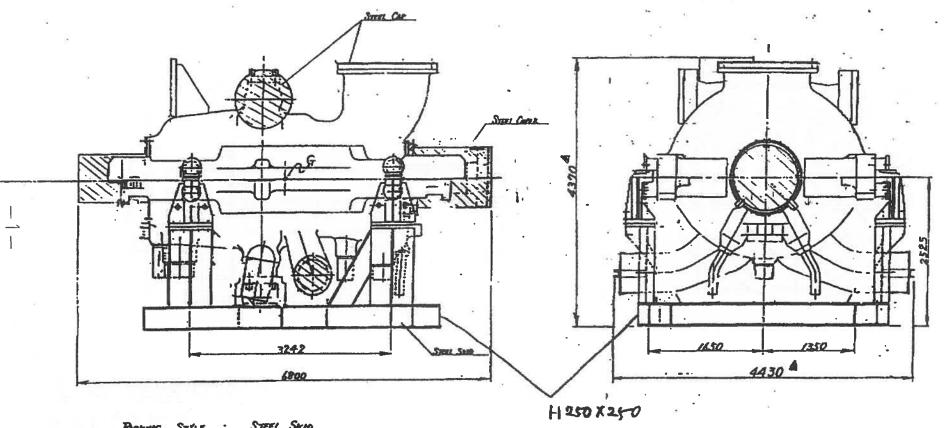
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			ITEM		DRG. No.	PAGE
1.	SHIPPING	DIMENSION	AND WEIGHT OF HIP TURBINE ASSEMBLY	Y	PRELIMINALY	P 1
2.	SHIPPING	DIMENSION	AND WEIGHT OF LP OUT CASING UPPER-		LATER	
3.	SHIPPING	DIMENSION	AND WEIGHT OF LP OUT CASING LOWER-		LATER	
4.	SHIPPING	DIMENSION	AND WEIGHT OF LP INNER CASING UPPE	ER	LATER	
5.	SHIPPING	DIMENSION	AND WEIGHT OF LP INNER CASING LOWE	ER	LATER	
6.	SHIPPING	DIMENSION	AND WEIGHT OF HIP TURBINE ROTOR	••••	LATER	
7.	SHIPPING	DIMENSION	GENERATOR		3KC000781REV. A	P 7

PRELIMINARY

SHIPPING DIMENSION AND WEIGHT OF HIP TURBINE ASSEMBLY

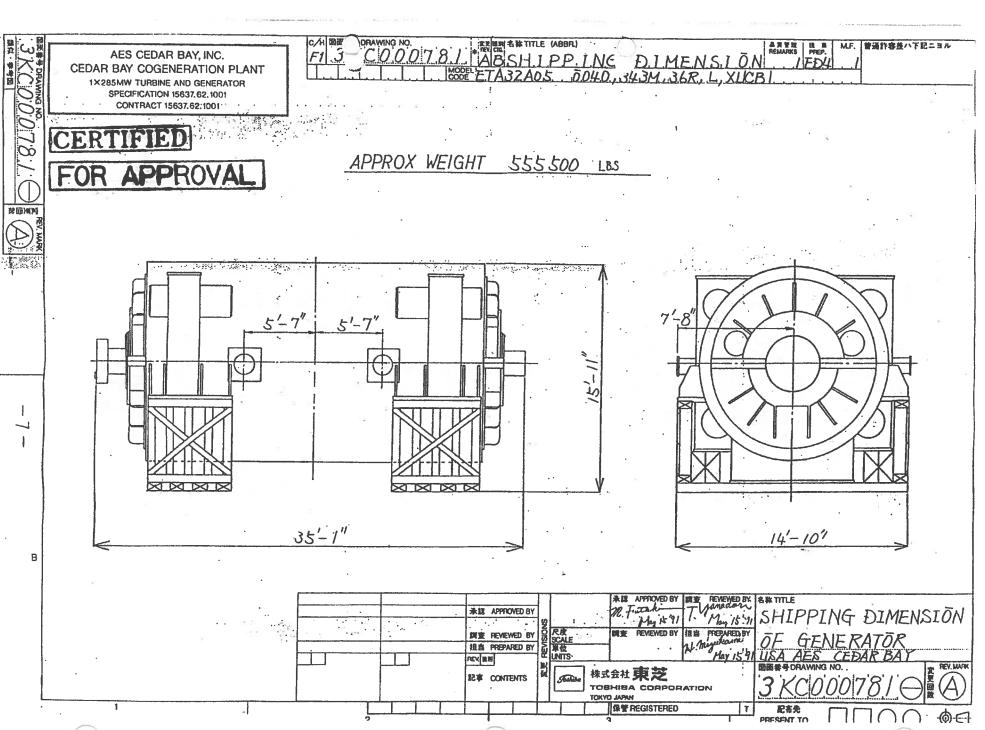


DHENSINE : 6800 x 4430 x 4370 fees

WEIGHT : 120,000 (KG) APPROX

Quarter ;

Docket No. 160021-EI FPL 2016 Dismantlement Study (Corrected) Exhibit KF-4. Page 124 of 127



Docket No. 160021-EI FPL 2016 Dismantlement Study (Corrected) Exhibit KF-4. Page 125 of 127 Weight List of Main Parts of Steam Turbine(lbs)

1	HTP	חייוים.	ine

Outer Casing Upper	60,000
Outer Casing Lower	63,000
HP Inner Casing Upper	10,800
HP Inner Casing Lower	11,000
Rotor(with Blades)	33,800

2. LP Turbine

Outer Casing	Upper	33,000
Outer Casing	Lower	93,000
Inner Casing	Upper	39,000
Inner Casing	Lower	39,000
Rotor(with B	lades)	78,100

3.	Cross-over	Pipe		16,600

			40.000
4.	Front	Standard	42,000

5. Main Steam Valves

Main Stop Valve	22,000
Control Valves No.1 No.6	19,000
Combined Reheat Valve(per one set)	33,000

6. Oil Tank with AOP, TOP and EOP Motors

excluding	lube	oil	34,000
including	lube	oil	67,700

7.	Oil	Conditioner	excluding	lube	oil	4,321
			including	lube	oil	8,179

Weight List of Main Parts of Steam Turbine(lbs)

9	7.7 T 1	n •	T7	h	•	~ ~
1.	HI		ru	ro	1	ne

Outer Casing Upper	60,000
Outer Casing Lower	63,000
HP Inner Casing Upper	10,800
HP Inner Casing Lower	11,000
Rotor(with Blades)	33,800

2. LP Turbine

Outer Casi	ng Upper	33,000
Outer Casi	ng Lower	93,000
Inner Casi	ng Upper	39,000
Inner Casi	ng Lower	39,000
Rotor(with	Blades)	78,100

3. Cross-over Pipe	16,600
--------------------	--------

A	Front	Standard	42.	000
4.	Front	Standard	4.5	000

5. Main Steam Valves

Main Stop Valve	22,000
Control Valves No.1 No.6	19,000
Combined Reheat Valve(per one set)	33,000

6. Oil Tank with AOP, TOP and EOP Motors

excluding	lube	oil	34,000
including	lube	oil	67,700

7.	Oi1	Conditioner	excluding	lube	oil	4,32	! 1
			including	lube	oil	8,17	79