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October 25, 2019

BY E-PORTAL

Mr. Adam Teitzman, Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Docket No. 20190174-EI - Petition for approval of 2019 depreciation study by Florida Public Utilities Company.

Dear Mr. Teitzman:

Attached, please find the Florida Public Utilities Company's responses to Staff's First Data Requests in the referenced docket.

As always, thank you for your assistance. Please do not hesitate to contact me if you have any questions whatsoever.

Sincerely,

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MEK

Enclosures

Cc:// Kristen Simmons, Office of the General Counsel (email)
Patricia Christensen, Office of Public Counsel

Staff's First Data Request regarding Florida Public Utilities Company's (Electric Division) 2019 Depreciation Study

Please refer to Florida Public Utilities Company's (Electric Divisions) (FPUC-Electric) 2019 Depreciation Study (Study) for the data requests below.

1. Referring to the Narrative's "Background" section, page 1, of the Study states "[t]he associated net unrecovered costs [of Hurricane Michael] comprised of removal costs and the negative component in the reserve from hurricane retirements amounts to \$7,888,580. In Docket No. 20190155-EI and 20190156-EI, FPUC is requesting to establish a regulatory asset for the recovery of these costs [...] these costs have not been included in the determination of future lives and removal costs as they do not reflect future expectations," please provide responses to the following questions.
 - a. Is \$7,885,580 the total amount of Hurricane Michael-related net unrecovered depreciation costs incurred by FPUC-Electric?

Company's Response:

The \$7,888,580 Hurricane Michael-related net unrecovered costs incurred by FPUC was an estimate based on the most current available information. This estimate is revised to reflect updated Hurricane Michael-related unrecovered depreciation and net salvage costs of \$7,985,261.

- b. Please provide a breakdown of the component items (e.g., Removal Cost (COR), unrecovered plant-in-service, etc.) that comprise the amount of \$7,888,580 with a denotation of the year when each of the item costs was incurred. Please support your response with workpapers in MS Excel format.

Company's Response:

The Study reflects Hurricane Michael related costs as recorded in the general ledger and not as incurred. As a result, some of the activity that was incurred in 2018 was not recorded until 2019 due to the extreme conditions of the unusual restoration process. A breakdown of the revised net unrecovered cost components totaling \$7,985,261 with actual year incurred are listed below and in Attachment 1b.

Breakdown of Unrecovered Cost

Description	Year Incurred	Amount
Unrecovered Retired Investments		
Investments Retired	2018	\$ (1,591,879)
Estimated Recovery of Investments	2019	\$ 709,551
Unrecovered Retired Investments		\$ (882,328)
Net Salvage Unrecovered		
Cost of Removal	2018	\$ (7,038,810)
Cost of Removal	2019	\$ (119,381)
Salvage	2018	\$ 2,347
Salvage	2019	\$ 52,911
Unrecovered Net Salvage		\$ (7,102,933)
Total Unrecovered Costs		\$ (7,985,261)

- c. Please refer to Sch. F 2018 Notes and Sch. F 2019 Notes of the Study. Please explain how the Hurricane Michael Activity-associated costs presented in the Notes are related to the amounts of \$7,885,580. Please support your response with workpapers in MS Excel format.

Company's Response:

As stated in response 1b above, the total unrecovered costs have been revised to \$7,985,261 from \$7,888,580. The figures presented in the Sch. F 2018 Notes and Revised Sch. F 2019 Notes were used in determining the unrecovered depreciation and net salvage due to Hurricane Michael. In the original filing, Hurricane Michael net salvage was not included in Schedule F 2019 but the negative reserve component associated with the premature Hurricane Michael retirements was included. FPUC has revised Sch. F 2019 to show the costs as recorded in the General Ledger. The adjustments shown in Column O reflect the unrecovered amounts (net salvage plus negative reserve component of the premature retiring assets) withdrawn and moved to the Regulatory Asset addressed in Docket 20190155-EI. Attachment 1c explains the correlation of the unrecovered costs due to the Hurricane Michael activity depicted in Sch. F 2018 Notes and Revised Sch. F 2019 Notes. The calculations of the Estimated 12/31/2019 Reserve Percentages and Total Unrecovered Cost are shown below and in Attachment 1c.

Estimated 12/31/2019 Reserve Percentage Calculation

	Estimated 12/31/2019	Estimated 12/31/2019	Estimated 12/31/2019
Acct.	Investment	Reserve Balance*	Reserve %
	(A)	(B)	(C) = (B)/(A)*100
364	\$ 25,869,789	\$ 3,973,955	15.36
365	\$ 20,427,593	\$ 8,539,023	41.80
368	\$ 22,458,863	\$ 15,012,607	66.84
369	\$ 14,341,344	\$ 7,928,675	55.29
370	\$ 5,085,099	\$ 2,921,604	57.45
371	\$ 3,263,292	\$ 1,565,668	47.98
373	\$ 2,725,584	\$ 1,389,658	50.99

* The Estimated 12/31/2019 Reserve reflects the reserve balance of each account prior to adjusting for the Total Unrecovered Costs.

Estimated Total Unrecovered Cost Calculation

	Investments	Estimated	Estimated	Estimated	Net	Total
Acct.	Retired	12/31/2019	Accumulated	Unrecovered	Salvage	Unrecovered
	(D)	(E)	(F) = (D)*(E)	(G) = (D) - (F)	(H)	I = (G)+(H)
364	\$ 341,872	15.36	\$ 52,512	\$ 289,360	\$5,002,646	\$ 5,292,006
365	\$ 280,444	41.80	\$ 117,226	\$ 163,218	\$1,741,652	\$ 1,904,870
368	\$ 322,202	66.84	\$ 215,360	\$ 106,842	\$ (22,578)	\$ 84,264
369	\$ 82,847	55.29	\$ 45,806	\$ 37,041	\$ 232,415	\$ 269,456
370	\$ 49,089	57.45	\$ 28,202	\$ 20,887	\$ 143,064	\$ 163,951
371	\$ 410,969	47.98	\$ 197,183	\$ 213,786	\$ 4,590	\$ 218,376
373	\$ 104,456	50.99	\$ 53,262	\$ 51,194	\$ 1,144	\$ 52,338
Total	\$1,591,879		\$ 709,551	\$ 882,328	\$7,102,933	\$ 7,985,261

- d. In Docket No. 20190155-EI, FPUC is requesting to establish three regulatory assets: 1) O&M Expense Asset of \$984,283, 2) Lost Customer Account Asset of \$619,186, and 3) Accumulated Depreciation Asset of \$7,870,626. In Docket 20190156-EI, FPUC is requesting a fourth regulatory asset of \$47,702,199. Is it correct that the net unrecovered hurricane costs amount of \$7,888,580 discussed on page 1 of the Study's Narrative relates only to the 3rd regulatory asset petitioned in Docket No. 20190155-EI?

Company's Response:

Yes.

- e. If your response to question (d) is affirmative, please explain the difference between the two unrecovered hurricane costs amounts: \$7,888,580 (instant Study) and \$7,870,626 (Docket No. 20190155-EI). Please support your response with workpapers in MS Excel format.

Company's Response:

The total unrecovered costs in the Study differs from the regulatory asset petition filed in Docket No. 20190155-EI due to corrections made to the study after the petition was filed. This amount will be trued-up in the petition before the Docket is finalized. Please see response to 1b and attachment 1e for reconciliation between Docket No. 20190155-EI and the revised total Unrecovered Costs of \$7,985,261.

- f. If your response to question (a) is negative:
- i) Please identify the total dollar amount of FPUC-Electric's incurred net unrecovered hurricane costs.

Company's Response:

N/A

- ii) Please provide a breakdown of the component items that comprise the dollar amounts identified in your response to question (f)(i) with a denotation of the year when each of the item costs was incurred. Please support your response with workpapers in MS Excel format.

Company's Response:

N/A

- iii) Please specify how much of the amount identified in your response to question (f)(i) has been included in the regulatory assets that are the subject of FPUC's petition in Docket Nos. 20190155-EI and 20190156-EI with specifications of the actual dollar amount included in each of the petitioned regulatory assets, respectively. Please support your response with workpapers in MS Excel format.

Company's Response:

N/A

- iv) Refer to Sch. F 2018 Notes and Sch. F 2019 Notes of the Study. Please explain how the Hurricane Michael Activity-associated costs presented in the Notes are related to the dollar amounts identified in your response to question (f)(i). Please support your response with workpapers in MS Excel format.

Company's Response:

N/A

2. Please refer to Sch. 1 through Sch. 5 of the Study as well as each schedule's corresponding respective MS Excel worksheets contained in FPUC's CD "2019 Depreciation Electric Study 8-30-19," and confirm the following: (For the purpose of clarity, please provide a copy of updated Sch. 1 through Sch. 5.)
- a. For Sch.1, the amounts presented in column D "1/1/2020 RESERVE" are the amounts of"RESTATED RESERVE."

Company's Response:

Yes, Column D represents the estimated accumulated depreciation as of 1/1/2020 except for those accounts denoted as being restated after corrective reserve measures and withdrawal of unrecovered Hurricane Michael costs that are addressed in Docket No. 20190155-EI.

The accumulated depreciation and resultant proposed depreciation rates in the originally submitted depreciation study were misstated by the negative reserve component associated with the premature Hurricane Michael retired investment. Both this component and the associated net salvage are addressed in the Regulatory Asset Petition in Docket No. 20190155-EI. To this end, neither should be included in the accumulated depreciation in establishing revised depreciation rates. As indicated in Revised Sch. F 2019 Notes, net salvage costs associated with Hurricane Michael were not included in projecting 2019 accumulated depreciation balance in the original filing. However, accumulated depreciation did include the negative reserve component in the study's original filing and should not have as it was already included in the Regulatory Asset. FPUC has revised Schedule F 2019 to show the costs as recorded in the General Ledger. The adjustments shown in Column O reflect the unrecovered amounts (Hurricane Michael net salvage plus negative reserve component of the premature retiring assets) withdrawn and included that was included in the Regulatory Asset addressed in Docket 20190155-EI. See Revised Sch. 1 – Sch. 4 as well as Revised Sch. F 2019.

If the Commission does not approve FPUC's Regulatory Asset request, the depreciation study will be revised to address the recovery of the net unrecovered costs. Given the significant impact these net unrecovered costs will have on rates,

the Company will request amortization treatment over a period of time, 25-30 years.

- b. For Sch. 2, the amount presented in Excel cells I31 and K31 is 56.91 and 3.3, e respectively.

Company's Response:

Confirmed, these are amounts that should have been shown in the original filing for Account 369 - Services. Cell I31 was inadvertently hardcoded rather than calculated. However, after removing the total Hurricane Michael unrecovered costs as noted above in 2a from the reserve, the restated Reserve Percent increases to 57.16% from 56.91% and the depreciation rate remains at 3.3%. See corrected attached Revised Sch. 2.

- c. For Sch. 3, the amounts presented in column D "1/1/2020 RESERVE" are the amounts of "RESTATED RESERVE;" the amount presented in cells H30, J30 and K30 is 3.3, \$473,264, and (\$43,024), respectively; the amount presented in cells J34 and K34 is \$4,181,702 and (\$197,509), respectively; the amount presented in cells J45 and K45 is \$5,133,218 and (\$241,271), respectively.

Company's Response:

Confirmed, the amounts presented in cells H30, J30, K30, J34, and K34 are those that should have been in the original filing had cell I31 in Sch. 2 been calculated rather than hard coded as noted in 2b above. However, cells J45 and K45 should have been \$4,996,278 and (\$369,093), respectfully, not \$5,133,218 and (\$241,271), respectively. The Staff amounts did not include the amortization of the reserve surplus of (\$136,940). See Attachment Revised Sch. 3 that also includes adjustments as discussed in 2a above.

- d. For Sch. 4, the amounts presented in column D "1/1/2020 RESERVE" are the amounts of "RESTATED RESERVE;" the amount presented in cells E12 and I12 is \$59,504 and \$0, respectively; the amount presented in cells E19 and I19 is \$3,615,614 and (\$1,126,713), respectively; and the amount presented in cells E46 and I46 is \$65,398,280 and (\$698,442), respectively.

Company's Response:

Confirmed. In the original filing, the amount on Sch. 4, cell E12, did not correctly pull cell G8 from Sch. 5. See attached Revised Sch. 4.

3. Please refer to Sch. F 2016 and Sch. F 2016 Notes of the Study and provide responses to the following questions.

a. Sch. F 2016 shows the zero plant addition for Account 389, however, Sch. F 2016 Notes indicates that the plant addition in this account is \$711,383. Please explain the difference.

Company's Response:

Inadvertently reported the wrong account number on Sch. F 2016 Notes. The study reported Account 389 when it should have reported Account 364. Sch. F 2016 Notes has been corrected, please see Attachment Revised Sch. F 2016 Notes.

b. Please confirm that both Accounts 380 and 389 are not regulated by the Commission.

Company's Response:

Per FERC Chart of Accounts, Accounts 380 and 389 are Land and Land Rights. These accounts are regulated by the Commission but have no proposed depreciation rates since these accounts are not normally depreciated. The current reserve balance in Account 389 is for fully depreciated Land Rights.

c. Please explain the nature and the cause of the \$25,020 plant transfer (or, reserve transfer of \$15,688) for Account 3922.

Company's Response:

The Natural Gas Division transferred a vehicle to the Electric Division along with the vehicle's reserve balance.

4. Refer to Sch. F 2017 and Sch. F 2017 Notes of the Study. Please explain the nature and the cause of Purch. & Adj. of negative \$500 on plant side.

Company's Response:

The (\$500) adjustment is cashback received on a truck purchased in 2016.

5. Refer to Sch. F 2018 and Sch. F 18 Notes of the Study. Please provide responses to the following requests:
- a. Please explain the nature and the cause of plant transfer of \$27,055 (or, reserve transfer of \$25,995) for Account 3922.

Company's Response:

The Natural Gas Division transferred a fully depreciated vehicle to the Electric Division originally valued at \$25,995. The remaining \$1,060 of the \$27,055 plant transfer is to correct the understated transfer amount on the vehicle transferred in 2016 (referenced in response 3c above).

- b. Is it correct that the "Hurricane Michael Storm Retirements" reported in Sch. F 18 Notes represent the already recovered-portion of the plant investments associated with the Hurricane Michael-caused plant retirements? If not, please explain.

Company's Response:

No. In accordance with FERC, retirements were credited to plant and debited to accumulated depreciation for the entire amount, both the recovered and the unrecovered portions. Because of the extraordinary nature of these retirements, FPUC has requested removing the undepreciated portion of these retirements, along with the cost of removal and gross salvage, from accumulated depreciation to a regulatory asset which would then be amortized in Docket No. 20190155-EI. Adjustments have been made to Revised Sch. F 2019 and Revised Sch. F 2019 Notes to exclude the unrecovered portion of these 2018 and 2019 retirements from the study.

- c. Is it correct that the unrecovered portion of the plant investments associated with the Hurricane Michael-caused plant retirements are not reported in Sch. F 18 but instead are included in the Accumulated Depreciation Asset which is part of the petition in Docket No. 20190155-EI? If not, please explain.

Company's Response:

No. See response to 5b above.

- d. Using Account 364 as an example, please explain in detail how the unrecovered amounts of plant investments associated with the Hurricane Michael-caused distribution pole retirements are determine. Please support your response with workpapers in MS Excel format.

Company's Response:

For Account 364 investments that were prematurely retired due to Hurricane Michael as well the calculated associated reserve. The unrecovered amount is

investment less associated reserve [$\$341,872 - \$52,512 = \$289,360$]. Including removal costs of \$5,002,646 results in a total unrecovered amount of \$5,292,006. See FPUC's response to 1c above.

- e. For Account 364, is it correct that through FPUC's continuing property record system, the vintage of each Hurricane Michael-caused retired distribution pole could be identified so that the amount of unrecovered investment associated with that pole can be properly calculated? If not, please explain.

Company's Response:

Rule 25-6.0436(2)(c)3, Florida Administrative Code, requires both the age and a complete history of rates to determine the reserve for each account. For Account 364, the vintage of each Hurricane Michael-caused retirement is known. However, the depreciation rates in effect for every year in service are not readily available to calculate the reserve as staff alludes. Therefore, the Company estimated reserves based on a percentage of reserves to investments, a method previously approved by this Commission.

- f. Apart from Accounts 364, 365, 368, and 370, are there any other accounts that incurred Hurricane Michael-caused retirements?
-

Company's Response:

Yes. Accounts 369, 371, and 373 also incurred Hurricane Michael related retirements. See response 1c above.

- g. Please confirm that Sch. F 2018 does not include Hurricane Michael-caused COR and Salvage. If not, please confirm that amounts of Hurricane Michael-related COR and salvage contained in Sch. F 2018 are not included in the regulatory asset(s) which are part of the petition in Docket No. 20190155-EI.

Company's Response:

Sch. F 2018 does not include Hurricane Michael-caused COR and Salvage.

6. Referring to Sch. F 2019 and Sch. F 2019 Notes of the Study, please provide responses to the following requests:
- a. Please confirm that no Hurricane Michael-caused plant addition is included in any of the regulatory assets petitioned in Docket Nos. 20190155-EI and 20190156-EI.

Company's Response:

Hurricane Michael caused plant additions are included as part of the limited proceeding in Schedule B-1, B-2, and B-3 in Docket No. 20190156-EI but not in the four requested regulatory assets.

- b. Is it correct that the retirements reported under "Estimated Total Hurricane Michael Activity by Account for 2019" represent the already recovered-portion of the plant investments associated with the Hurricane Michael-caused plant retirements? If not, please explain.

Company's Response:

No. In accordance with FERC and FPSC, retirements were credited to plant and debited to accumulated depreciation for the entire amount. However, in the Revised Sch. F 2019, the unrecovered portion was removed in the adjustment column. See Attachment Revised Sch. F 2019.

- c. Is it correct that the unrecovered portion of the plant investments associated with the Hurricane Michael-caused 2019 plant retirements are not reported in Sch. F 2019 but instead are included in the Accumulated Depreciation Asset petitioned in Docket No. 20190155-EI? If not, please explain.

Company's Response:

No, not for the original filing. The 2019 Accumulated Depreciation retirements on the original filing's Schedule F 2019 reflected the FERC and FPSC treatment that was booked. As a result, the unrecovered portion of the Hurricane Michael retirements was included in Accumulated Depreciation. The Company has prepared a Revised Sch. F 2019 which removes the unrecovered depreciation and net salvage in the adjustment column under the assumption that these costs will be recovered in the regulatory asset and limited proceeding dockets. See Attachment Revised Sch. F 2019.

7. Please refer to Narrative, page 15, of the Study for the following requests:
- a. With respect to customer bill impacts, please expound on the merits and demerits of amortizing the reserve surpluses of Accounts 392.1, 392.2 and 393.3 versus addressing the surplus through depreciation rates.

Company's Response:

FPUC notes that the reserve surpluses proposed for amortization are Accounts 392.1, 392.2, and 392.3. There is no Account 393.3 as stated in the question. Due to the changes in reserves stated above, the \$547,758 transportation reserve surplus in the original filing changed to \$513,896. This also changes the annual amortization expense from (\$136,940) in the original filing to (\$128,474). See Attachment Revised Sch. 5.

Since Account 392 is not included in the Limited Proceeding and FPUC is not seeking a rate case at this time, there are no customer bill impacts of amortizing the reserve surpluses versus remaining life rate design. However, a reserve surplus for these accounts indicates that customers have paid more than their fair

share of depreciation expenses in the past and future customers will pay less unless or until the surplus is corrected.

Amortization of the surpluses results in a decrease in total depreciation expenses for 4 years. At the end of that time, rate base will be higher by about \$513,896 than with remaining life rates but the intergenerational inequity will have been corrected. The Company cannot tell with certainty what the customer bill impact would be at that time if base rates are changed since depreciation expenses are only one part of that determination. In addition, to the extent that there are any additions to these accounts during the next 4 years, the resultant remaining lives at the next depreciation study may be longer than those proposed in the current case. This would then result in the identified surplus being paid back over a longer period of time, as long as the accounts exist.

FPUC has revised the transportation reserve activity in Sch. F 2019, Sch. J, and Sch. I to report the appropriate balances. The \$27,670 Accruals for Account 392.1 in the original filing have been reduced to \$3,041 in the revised schedule to exclude the estimated accruals for July to December since the reserve balance is greater than investments. In addition, the \$4,000 estimated Gross Salvage for Account 392.1 in the original filing have been reduced to \$0 since there are no retirements reported in 2019. Lastly, the adjustments in Column O in the original filing of \$51,662, (\$7,025), (\$11,443), and (\$7,970) for Accounts 392.1, 392.2, 392.3, and 392.4, respectively, were inadvertently classified and reported in the wrong transportation accounts. Adjustments have been revised to \$0, \$3,570, \$24,390, and (\$2,258) in the revised filing for Accounts 392.1, 392.2, 392.3, and 392.4, respectively. See Attached Revised Sch. F 2019, Revised Sch. F 2019 Notes, Revised Sch. I, and Revised Sch. J. Collectively, these adjustments have an effect on resultant depreciation rates and expenses as shown on Attachments Revised Sch. 1 to Revised Sch. 5.

- b. Referring to Sch. 1 through Sch. 5 of the Study, please provide corresponding revisions assuming no reserve amortization.

Company's Response:

To be clear, the staff request is contrary to FPUC's proposal. However, to be responsive, Sch. 1 through Sch. 5 without amortization of the calculated reserve surplus in Accounts 392.1, 392.2, and 392.3 are attached.

FPUC Responses to Staff's First Data Request-Consolidated Electric Division

Breakdown of Unrecovered Cost

Description	Year Incurred	Amount
<u>Unrecovered Retired Investments</u>		
Investments Retired	2018	\$ (1,591,879)
Estimated Recovery of Investments	2019	\$ 709,551
Unrecovered Retired Investments		\$ (882,328)
<u>Net Salvage Unrecovered</u>		
Cost of Removal	2018	\$ (7,038,810)
Cost of Removal	2019	\$ (119,381)
Salvage	2018	\$ 2,347
Salvage	2019	\$ 52,911
Unrecovered Net Salvage		\$ (7,102,933)
Total Unrecovered Costs		\$ (7,985,261)

FPUC Responses to Staff's First Data Request-Consolidated Electric Division

Calculation of Reserve %

Acct.	Estimated 12/31/2019 Investment	Estimated 12/31/2019 Reserve *	Estimated 12/31/2019 Reserve %
	(A)	(B)	(C) = (B)/(A)*100
364	\$ 25,869,789	\$ 3,973,955	15.36
365	\$ 20,427,593	\$ 8,539,023	41.80
368	\$ 22,458,863	\$ 15,012,607	66.84
369	\$ 14,341,344	\$ 7,928,675	55.29
370	\$ 5,085,099	\$ 2,921,604	57.45
371	\$ 3,263,292	\$ 1,565,668	47.98
373	\$ 2,725,584	\$ 1,389,658	50.99

*The Estimated 12/31/2019 includes HM Net Salvage of \$7,102,993 and reflects the reserve balance of each account prior to adjusting Total Unrecovered Cost.

Calculation of Total Unrecovered Costs

Acct.	Investments Retired	Estimated 12/31/2019 Reserve %	Estimated Recovered Depreciation	Estimated Unrecovered Depreciation	Net Salvage	Total Unrecovered
	(A)	(B)	(C) = (A)*(B)	(D) = (A) - (C)	(E)	(F) = (D)+(E)
364	\$ (341,872)	15.36	\$ (52,512)	\$ (289,360)	\$ (5,002,646)	\$ (5,292,006)
365	\$ (280,444)	41.80	\$ (117,226)	\$ (163,218)	\$ (1,741,652)	\$ (1,904,870)
368	\$ (322,202)	66.84	\$ (215,360)	\$ (106,842)	\$ 22,578	\$ (84,264)
369	\$ (82,847)	55.29	\$ (45,806)	\$ (37,041)	\$ (232,415)	\$ (269,456)
370	\$ (49,089)	57.45	\$ (28,202)	\$ (20,887)	\$ (143,064)	\$ (163,951)
371	\$ (410,969)	47.98	\$ (197,183)	\$ (213,786)	\$ (4,590)	\$ (218,376)
373	\$ (104,456)	50.99	\$ (53,262)	\$ (51,194)	\$ (1,144)	\$ (52,338)
Total	\$ (1,591,879)		\$ (709,551)	\$ (882,328)	\$ (7,102,933)	\$ (7,985,261)

The \$21,116,035 Plant Additions reflected on Revised Sch. F 2019 Notes is embedded in the Estimated 12/31/2019 Investment balances used to compute the Estimated 12/31/2019 Reserve Percent for each account above.

The \$1,591,879 total investments retired is the sum of the retirements reflected on Sch. F 18 Notes and Revised Sch. F 2019 Notes of \$845,783 and \$746,095, respectively.

From the \$1,591,879 investments retired, \$709,551 associated Estimated Accumulated Depreciation is subtracted to arrive at the \$882,328 Estimated Unrecovered Depreciation stated on Revised Sch. F 2019 Notes.

The \$7,102,933 Net Salvage is the sum of the (\$55,258) Gross Salvage and \$7,158,191 COR reflected on Revised Sch. F 2019 Notes.

The \$7,985,261 Total Estimated Unrecovered cost are the adjustments reflected on the bottom of Revised Sch. F 2019 Notes to exclude Unrecovered Depreciation and Net Salvage from the study.

Unrecovered Costs - Study Vs. Limited Proceedings

As Updated:

Description	Updated Study	Docket No. 20190155-EI	Variance	Explanation
<u>Unrecovered Retired Investments</u>				
Investments Retired	\$ (1,591,879)	\$ (1,591,879)	\$ -	The entire variance is due to changes made to the Reserve Percentage Calculations used to compute the unrecovered depreciation. 1) A (\$20K) change is a result of increasing Hurricane Michael related investments in the denominator of the calculation from \$18,733,082 used in Limited Proceedings to the \$21,116,035 used in the Study to reflect all Hurricane Michael Capital Expenditures. 2) The remaining (\$95k) change is a result of increasing Hurricane Michael related reserves in the numerator from (\$1,591,879) used in Limited Proceedings to (\$8,694,812) used in Study to reflect total unrecovered costs [(\$1.6K) retirements + (\$7.1K) net salvage] recorded in the general ledger.
Estimated Recovery of Investments	\$ 709,551	\$ 824,187	\$ (114,636)	
Unrecovered Retired Investments	\$ (882,328)	\$ (767,692)	\$ (114,636)	
<u>Net Salvage Unrecovered</u>				
Cost of Removal	\$ (7,158,191)	\$ (7,158,193)	\$ 2	
Salvage	\$ 55,258	\$ 55,259	\$ (1)	
Unrecovered Net Salvage	\$ (7,102,933)	\$ (7,102,934)	\$ 1	
Total Unrecovered Costs	\$ (7,985,261)	\$ (7,870,626)	\$ (114,635)	

As Filed:

Description	Original Study	Docket No. 20190155-EI	Variance	Explanation
<u>Unrecovered Retired Investments</u>				
Investments Retired	\$ (1,591,879)	\$ (1,591,879)	\$ -	The variance is due to a change made to the Reserve Percentage Calculations used to compute unrecovered depreciation. The (\$20K) change is a result of increasing Hurricane Michael related investments in the denominator of the calculation from \$18,733,082 used in Limited Proceedings to the \$21,116,035 used in the Study to reflect all Hurricane Michael Capital Expenditures.
Estimated Recovery of Investments	\$ 804,674	\$ 824,187	\$ (19,513)	
Unrecovered Retired Investments	\$ (787,205)	\$ (767,692)	\$ (19,513)	
<u>Net Salvage Unrecovered</u>				
Cost of Removal	\$ (7,158,193)	\$ (7,158,193)	\$ -	Overstated by \$1,559 in the original Study's filing due to entries not related to Hurricane Michael.
Salvage	\$ 56,817	\$ 55,259	\$ 1,559	
Unrecovered Net Salvage	\$ (7,101,375)	\$ (7,102,934)	\$ 1,559	
Total Unrecovered Costs	\$ (7,888,580)	\$ (7,870,626)	\$ (17,954)	

FLORIDA PUBLIC UTILITIES
 2019 CONSOLIDATED ELECTRIC DIVISIONS
 COMPARISON OF CURRENT AND PROPOSED DEPRECIATION RATES

ACCOUNT	1/1/2020 INVESTMENT	1/1/2020 RESERVE	CURRENT					COMPANY PROPOSED				
			AVERAGE SERVICE LIFE (YRS.)	AVERAGE REMAINING LIFE (YRS.)	NET SALVAGE (%)	AGE (YRS.)	CURVE	AVERAGE SERVICE LIFE (YRS.)	AVERAGE REMAINING LIFE (YRS.)	NET SALVAGE (%)	(Sch. L) AGE (YRS.)	CURVE
TRANSMISSION PLANT												
350.1 - Land Rights	\$0	\$0	70.0	26.0	0.0	44.2	SQ	75.0	75.0	0.0	0.0	SQ
352 - Structures and Improvements	\$1,919,496	\$59,504 *	55.0	50.0	0.0	5.2	S5	60.0	57.0	0.0	3.2	S5
353 - Station Equipment	\$7,581,692	\$1,623,570	40.0	27.0	5.0	13.4	S2	45.0	35.0	0.0	10.2	S3
354 - Towers and Fixtures	\$249,798	\$197,091	55.0	14.5	(15.0)	40.5	S6	60.0	19.0	(15.0)	41.0	S6
355 - Poles and Fixtures	\$1,659,809	\$487,283 *	40.0	16.9	(40.0)	23.2	R5	40.0	17.8	(50.0)	23.0	R4
355.1 - Poles and Fixtures - Concrete	\$4,014,730	\$678,489 *	45.0	41.0	(30.0)	4.5	R4	45.0	39.0	(30.0)	5.8	R4
356 - Overhead Conductors and Devices	\$3,674,653	\$563,667	50.0	36.0	(20.0)	14.1	S2	55.0	46.0	(20.0)	9.2	S2
359 - Roads and Trails	\$6,788	\$6,009	65.0	12.5	0.0	52.5	SQ	70.0	12.5	0.0	57.5	SQ
Total Transmission Assets	\$19,106,966	\$3,615,614										
DISTRIBUTION PLANT												
360.1 - Land Rights	\$56,995	\$34,100	60.0	31.0	0.0	29.5	SQ	60.0	26.0	0.0	34.5	SQ
361 - Structures and Improvements	\$1,198,983	\$108,223	60.0	47.0	(5.0)	13.0	SQ	60.0	54.0	(5.0)	5.6	SQ
362 - Station Equipment	\$13,235,887	\$3,869,925	45.0	34.0	(10.0)	11.2	S3	50.0	38.0	(10.0)	11.9	S3
364 - Poles, Towers, and Fixtures	\$25,869,789	\$9,265,961 **	38.0	24.0	(45.0)	14.4	R4	38.0	28.0	(50.0)	10.2	R4
365 - Overhead Conductors & Devices	\$20,427,593	\$10,443,893 **	40.0	21.0	(35.0)	19.3	R5	45.0	30.0	(35.0)	15.1	R5
366 - Underground Conduit	\$7,034,164	\$1,359,793	60.0	50.0	(5.0)	10.4	R5	60.0	47.0	(5.0)	12.6	R5
367 - Underground Conductors & Devices	\$10,218,344	\$3,955,509	35.0	23.0	(5.0)	12.2	R4	35.0	21.0	(5.0)	13.9	R4
368 - Line Transformers	\$22,458,863	\$15,095,313 **	30.0	12.4	(20.0)	17.7	S4	30.0	13.6	(20.0)	16.5	S4
369 - Services	\$14,341,344	\$8,198,131 **	37.0	19.9	(35.0)	17.1	R5	40.0	25.0	(40.0)	15.4	R5
370 - Meters	\$5,085,099	\$3,085,554 **	30.0	11.9	(10.0)	18.2	R5	30.0	13.0	(10.0)	17.0	R5
371 - Installation on Customers' Premises	\$3,263,292	\$1,784,044 **	20.0	9.6	10.0	10.7	S3	25.0	13.6	5.0	11.6	S3
373 - Street Lighting & Signal Systems	\$2,725,584	\$1,441,996 **	22.0	7.6	(10.0)	16.6	R3	22.0	11.4	(10.0)	11.5	R3
Total Distribution Assets	\$125,915,937	\$58,642,442										
GENERAL PLANT												
390 - Structures & Improvements	\$4,044,796	\$1,006,938	50.0	41.0	0.0	9.0	R4	50.0	38.0	0.0	12.7	R4
392.1 - Transportation-Cars	\$23,951	\$10,768 *	7.0	6.0	15.0	1.0	S2	11.0	5.2	15.0	6.5	S2
392.2 - Transportation-Light Trucks & Vans	\$1,041,834	\$575,092 *	9.0	4.9	12.0	4.1	S4	11.0	4.1	12.0	7.0	S4
392.3 - Transportation - Heavy Trucks	\$3,755,922	\$2,005,662 *	13.0	6.4	10.0	6.8	S3	15.0	6.1	10.0	9.4	S3
392.4 - Transportation - Trailers	\$144,084	\$94,053	25.0	13.8	5.0	11.4	R4	25.0	9.4	5.0	16.4	R4
396 - Power Operated Equipment	\$898,523	\$335,752	25.0	8.4	0.0	16.6	S6	25.0	15.4	0.0	9.6	S6
Total General Plant Assets	\$9,909,111	\$4,028,265										
GRAND TOTAL	154,932,014	66,286,321										

* Reflects restated reserve after proposed corrective reserve allocations and amortization of transportation reserve surplus.

** Reflects reserve adjusted for Hurricane Michael unrecovered costs addressed in Docket No. 20190155-EI.

FLORIDA PUBLIC UTILITIES COMPANY
 2019 CONSOLIDATED ELECTRIC DIVISIONS
 2015 - 2019 Net Salvage (Excluding Hurricane Michael)
 (NEGATIVE VALUES INDICATE SALVAGE)

ACCT	DESCRIPTION	2015 COR DR.	2015 SALVAGE (CR.)	2015 NET	2016 COR DR.	2016 SALVAGE (CR.)	2016 NET	2017 COR DR.	2017 SALVAGE (CR.)	2017 NET	2018 COR DR.	2018 SALVAGE (CR.)	2018 NET	2019 COR EST	2019 SALVAGE EST	2019 NET EST
350	Land	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3501	Land Rights	-	-	-	-	-	-	19	(8,586)	(8,567)	890	-	890	-	-	-
352	Structures & Improvements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
353	Station Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
354	Towers & Fixtures	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
355	Poles & Fixtures	-	-	-	-	-	-	846,307	(48,875)	797,432	-	-	-	211,577	(12,219)	199,358
3551	Poles & Fixtures - Concrete	-	-	-	-	-	-	6,993	(471,382)	(464,389)	13,942	-	13,942	5,234	(117,845)	(112,611)
356	Overhead Conductors & Devices	-	-	-	-	-	-	-	(399,169)	(399,169)	14,832	-	14,832	3,708	(99,792)	(96,084)
359	Roads & Trails	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
360	Land	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3601	Land Rights	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
361	Structures & Improvements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
362	Station Equipment	-	-	-	-	-	-	28,927	-	28,927	-	-	-	-	-	-
364	Poles, Towers & Fixtures	193,720	-	193,720	179,062	-	179,062	209,334	-	209,334	115,026	-	115,026	174,285	-	174,285
365	Overhead Conductors & Devices	41,970	(10,416)	31,554	35,197	(3,922)	31,275	85,102	(18,055)	67,047	20,443	(2,022)	18,421	45,678	(8,604)	37,074
366	Underground Conduit	7,108	-	7,108	2,612	-	2,612	899	-	899	3,284	-	3,284	3,476	-	3,476
367	Underground Conductors & Device	3,877	-	3,877	3,449	-	3,449	9,920	-	9,920	13,104	(363)	12,741	7,587	(91)	7,496
368	Line Transformers	47,976	(1,920)	46,056	26,189	(229)	25,960	20,646	-	20,646	20,954	-	20,954	28,941	(537)	28,404
369	Services	19,659	(1,219)	18,440	19,664	(980)	18,684	12,606	(722)	11,884	19,389	(506)	18,883	17,830	(857)	16,973
370	Meters	7,902	(955)	6,947	4,425	(1,272)	3,153	7,230	(439)	6,791	2,531	-	2,531	5,522	(666)	4,856
371	Installations on Customers' Premises	1,964	-	1,964	1,199	-	1,199	4,531	-	4,531	12,163	-	12,163	4,964	-	4,964
373	Street Lighting & Signal Systems	2,975	-	2,975	682	-	682	1,954	-	1,954	7,253	-	7,253	3,216	-	3,216
380	Land & Land Rights	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
389	Land	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
390	Structures & Improvements	2,500	(340,265)	(337,765)	-	-	-	-	-	-	-	-	-	-	-	-
3910	Office Furniture & Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3911	Computers & Peripherals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3912	Computer Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3913	Office Furniture & Fixtures	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3914	Software	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3921	Transportation - Cars	-	(16,000)	(16,000)	-	-	-	-	-	-	-	-	-	-	-	-
3922	Transportation - Light Trucks & Vans	-	-	-	-	-	-	-	(1,260)	(1,260)	-	(16,095)	(16,095)	-	(4,339)	(4,339)
3923	Transportation - Heavy Trucks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3924	Transportation - Trailers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
393	Stores Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
394	Tools/Shop Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
395	Lab Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
396	Power Operated Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
397	Communications Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
398	Miscellaneous Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
399	Misc Tangible Assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS		329,651	(370,775)	(41,124)	272,479	(6,403)	266,076	1,234,468	(948,487)	285,980	243,812	(18,986)	224,826	512,018	(244,950)	267,068

Excludes Net Salvage of \$7,101,375 relating to Hurricane Michael.

FLORIDA PUBLIC UTILITIES
2019 CONSOLIDATED ELECTRIC DIVISIONS
COMPARISON OF CURRENT AND PROPOSED DEPRECIATION COMPONENTS

ACCOUNT	CURRENT EFFECTIVE 1/1/2015			COMPANY PROPOSED - Proposed Effective Date 1/1/2020			
	AVERAGE REMAINING LIFE (YRS.)	NET SALVAGE (%)	REMAINING LIFE RATE (%)	AVERAGE REMAINING LIFE (YRS.)	NET SALVAGE (%)	1/1/2020 RESERVE (%)	REMAINING LIFE RATE (%)
TRANSMISSION PLANT							
350.1 - Land Rights	26.0	0.0	1.4	75.0	0.0	0.00	1.3
352 - Structures and Improvements	50.0	0.0	1.8	57.0	0.0	3.10	* 1.7
353 - Station Equipment	27.0	5.0	2.6	35.0	0.0	21.41	2.2
354 - Towers and Fixtures	14.5	(15.0)	2.1	19.0	(15.0)	78.90	* 1.9
355 - Poles and Fixtures	16.9	(40.0)	4.1	17.8	(50.0)	29.36	* 6.8
355.1 - Poles and Fixtures - Concrete	41.0	(30.0)	2.9	39.0	(30.0)	16.90	* 2.9
356 - Overhead Conductors and Devices	36.0	(20.0)	2.5	46.0	(20.0)	15.34	2.3
359 - Roads and Trails	12.5	0.0	1.5	12.5	0.0	88.52	0.9
DISTRIBUTION PLANT							
360.1 - Land Rights	31.0	0.0	1.6	26.0	0.0	59.83	1.5
361 - Structures and Improvements	47.0	(5.0)	1.7	54.0	(5.0)	9.03	1.8
362 - Station Equipment	34.0	(10.0)	2.4	38.0	(10.0)	29.24	2.1
364 - Poles, Towers, and Fixtures	24.0	(45.0)	3.9	28.0	(50.0)	35.82	** 4.1
365 - Overhead Conductors & Devices	21.0	(35.0)	3.4	30.0	(35.0)	51.13	** 2.8
366 - Underground Conduit	50.0	(5.0)	1.8	47.0	(5.0)	19.33	1.8
367 - Underground Conductors & Devices	23.0	(5.0)	3.2	21.0	(5.0)	38.71	3.2
368 - Line Transformers	12.4	(20.0)	4.0	13.6	(20.0)	67.21	** 3.9
369 - Services	19.9	(35.0)	3.6	25.0	(40.0)	57.16	** 3.3
370 - Meters	11.9	(10.0)	3.7	13.0	(10.0)	60.68	** 3.8
371 - Installation on Customers' Premises	9.6	10.0	4.5	13.6	5.0	54.67	** 3.0
373 - Street Lighting & Signal Systems	7.6	(10.0)	4.9	11.4	(10.0)	52.91	** 5.0
GENERAL PLANT							
390 - Structures & Improvements	41.0	0.0	2.0	38.0	0.0	24.89	2.0
392.1 - Transportation-Cars	6.0	15.0	11.9	5.2	15.0	44.96	* 7.7
392.2 - Transportation-Light Trucks & Vans	4.9	12.0	7.8	4.1	12.0	55.20	* 8.0
392.3 - Transportation - Heavy Trucks	6.4	10.0	7.0	6.1	10.0	53.40	* 6.0
392.4 - Transportation - Trailers	13.8	5.0	3.7	9.4	5.0	61.31	3.6
396 - Power Operated Equipment	8.4	0.0	4.4	15.4	0.0	37.37	4.1

* Reflects restated reserve after proposed corrective reserve allocations and amortization of transportation reserve surplus.

** Reflects reserve adjusted for Hurricane Michael unrecovered costs addressed in Docket No. 20190155-EI.

FLORIDA PUBLIC UTILITIES
 2019 CONSOLIDATED ELECTRIC DIVISIONS
 COMPARISON OF ANNUAL DEPRECIATION EXPENSES

ACCOUNT	1/1/2020 INVESTMENT	1/1/2020 RESERVE	CURRENT		COMPANY PROPOSED		
			RATE	EXPENSES	RATE	EXPENSES	CHANGE EXPENSES
TRANSMISSION PLANT							
350.1 - Land Rights	\$0	\$0	1.4	\$0	1.3	\$0	\$0
352 - Structures and Improvements	\$1,919,496	\$59,504 *	1.8	\$34,551	1.7 *	\$32,631	(\$1,920)
353 - Station Equipment	\$7,581,692	\$1,623,570	2.6	\$197,124	2.2	\$166,797	(\$30,327)
354 - Towers and Fixtures	\$249,798	\$197,091 *	2.1	\$5,246	1.9 *	\$4,746	(\$500)
355 - Poles and Fixtures	\$1,659,809	\$487,283 *	4.1	\$68,052	6.8 *	\$112,867	\$44,815
355.1 - Poles and Fixtures - Concrete	\$4,014,730	\$678,489 *	2.9	\$116,427	2.9 *	\$116,427	\$0
356 - Overhead Conductors and Devices	\$3,674,653	\$563,667	2.5	\$91,866	2.3	\$84,517	(\$7,349)
359 - Roads and Trails	\$6,788	\$6,009	1.5	\$102	0.9	\$61	(\$41)
TOTAL TRANSMISSION PLANT	\$19,106,966	\$3,615,614		\$513,368		\$518,046	\$4,678
DISTRIBUTION PLANT							
360.1 - Land Rights	\$56,995	\$34,100	1.6	\$912	1.5	\$855	(\$57)
361 - Structures and Improvements	\$1,198,983	\$108,223	1.7	\$20,383	1.8	\$21,582	\$1,199
362 - Station Equipment	\$13,235,887	\$3,869,925	2.4	\$317,661	2.1	\$277,954	(\$39,707)
364 - Poles, Towers, and Fixtures	\$25,869,789	\$9,265,961 **	3.9	\$1,008,922	4.1 **	\$1,060,661	\$51,739
365 - Overhead Conductors & Devices	\$20,427,593	\$10,443,893 **	3.4	\$694,538	2.8 **	\$571,973	(\$122,565)
366 - Underground Conduit	\$7,034,164	\$1,359,793	1.8	\$126,615	1.8	\$126,615	\$0
367 - Underground Conductors & Devices	\$10,218,344	\$3,955,509	3.2	\$326,987	3.2	\$326,987	\$0
368 - Line Transformers	\$22,458,863	\$15,095,313 **	4.0	\$898,355	3.9 **	\$875,896	(\$22,459)
369 - Services	\$14,341,344	\$8,198,131 **	3.6	\$516,288	3.3 **	\$473,264	(\$43,024)
370 - Meters	\$5,085,099	\$3,085,554 **	3.7	\$188,149	3.8 **	\$193,234	\$5,085
371 - Installation on Customers' Premises	\$3,263,292	\$1,784,044 **	4.5	\$146,848	3.0 **	\$97,899	(\$48,949)
373 - Street Lighting & Signal Systems	\$2,725,584	\$1,441,996 **	4.9	\$133,554	5.0 **	\$136,279	\$2,725
TOTAL DISTRIBUTION PLANT	\$125,915,937	\$58,642,442		\$4,379,212		\$4,163,199	(\$216,013)
GENERAL PLANT							
390 - Structures & Improvements	\$4,044,796	\$1,006,938	2.0	\$80,896	2.0	\$80,896	\$0
392.1 - Transportation-Cars	\$23,951	\$10,768 *	11.9	\$2,850	7.7 *	\$1,844	(\$1,006)
392.2 - Transportation-Light Trucks & Vans	\$1,041,834	\$575,092 *	7.8	\$81,263	8.0 *	\$83,347	\$2,084
392.3 - Transportation - Heavy Trucks	\$3,755,922	\$2,005,662 *	7.0	\$262,915	6.0 *	\$225,355	(\$37,560)
392.4 - Transportation - Trailers	\$144,084	\$94,053	3.7	\$5,331	3.2	\$4,611	(\$720)
396 - Power Operated Equipment	\$898,523	\$335,752	4.4	\$39,535	4.1	\$36,839	(\$2,696)
TOTAL GENERAL PROPERTY	\$9,909,111	\$4,028,265		\$472,790		\$432,892	(\$39,898)
TOTAL RATES	\$154,932,014	\$66,286,321		\$5,365,370		\$4,985,663	(\$379,707)
					4-Yr Amort	(\$128,474)	(\$128,474)

* Reflects restated reserve after proposed corrective reserve allocations and amortization of transportation reserve surplus.

** Reflects reserve adjusted for Hurricane Michael unrecovered costs addressed in Docket No. 20190155-EI.

FLORIDA PUBLIC UTILITIES
 2019 CONSOLIDATED ELECTRIC DIVISIONS
 COMPARISON OF ACCUMULATED BOOK RESERVE AND THEORETICAL RESERVE - PROPOSED RATES

ACCOUNT	1/1/2020 INVESTMENT	1/1/2020 RESERVE	THEORETICAL RESERVE (%)	THEORETICAL RESERVE	IMBALANCE	WLR (%)	ARL (YEARS)	NET SALV (%)
TRANSMISSION PLANT								
350.1 - Land Rights	\$0	\$0	2.50	\$0	\$0	1.3	75.0	0.0
352 - Structures and Improvements	\$1,919,496	\$59,504 *	3.10	\$59,504	\$0	1.7	57.0	0.0
353 - Station Equipment	\$7,581,692	\$1,623,570	23.00	\$1,743,789	(\$120,219)	2.2	35.0	0.0
354 - Towers and Fixtures	\$249,798	\$197,091 *	78.90	\$197,091	\$0	1.9	19.0	(15.0)
355 - Poles and Fixtures	\$1,659,809	\$487,283 *	82.36	\$1,367,019	(\$879,736)	3.8	17.8	(50.0)
355.1 - Poles and Fixtures - Concrete	\$4,014,730	\$678,489 *	16.90	\$678,489	\$0	2.9	39.0	(30.0)
356 - Overhead Conductors and Devices	\$3,674,653	\$563,667	18.80	\$690,835	(\$127,168)	2.2	46.0	(20.0)
359 - Roads and Trails	\$6,788	\$6,009	82.50	\$5,600	\$409	1.4	12.5	0.0
Total Transmission Assets	\$19,106,966	\$3,615,614		\$4,742,327	(\$1,126,713)			
DISTRIBUTION PLANT								
360.1 - Land Rights	\$56,995	\$34,100	55.80	\$31,803	\$2,297	1.7	26.0	0.0
361 - Structures and Improvements	\$1,198,983	\$108,223	7.80	\$93,521	\$14,702	1.8	54.0	(5.0)
362 - Station Equipment	\$13,235,887	\$3,869,925	26.40	\$3,494,274	\$375,651	2.2	38.0	(10.0)
364 - Poles, Towers, and Fixtures	\$25,869,789	\$9,265,961 **	40.80	\$10,554,874	(\$1,288,913)	3.9	28.0	(50.0)
365 - Overhead Conductors & Devices	\$20,427,593	\$10,443,893 **	45.00	\$9,192,417	\$1,251,476	3.0	30.0	(35.0)
366 - Underground Conduit	\$7,034,164	\$1,359,793	20.40	\$1,434,969	(\$75,176)	1.8	47.0	(5.0)
367 - Underground Conductors & Devices	\$10,218,344	\$3,955,509	42.00	\$4,291,705	(\$336,196)	3.0	21.0	(5.0)
368 - Line Transformers	\$22,458,863	\$15,095,313 **	65.60	\$14,733,014	\$362,299	4.0	13.6	(20.0)
369 - Services	\$14,341,344	\$8,198,131 **	52.50	\$7,529,206	\$668,925	3.5	25.0	(40.0)
370 - Meters	\$5,085,099	\$3,085,554 **	61.90	\$3,147,676	(\$62,122)	3.7	13.0	(10.0)
371 - Installation on Customers' Premises	\$3,263,292	\$1,784,044 **	43.32	\$1,413,658	\$370,386	3.8	13.6	5.0
373 - Street Lighting & Signal Systems	\$2,725,584	\$1,441,996 **	53.00	\$1,444,559	(\$2,563)	5.0	11.4	(10.0)
Total Distribution Assets	\$125,915,937	\$58,642,442		\$57,361,676	\$1,280,766			
GENERAL PLANT								
390 - Structures & Improvements	\$4,044,796	\$1,006,938	24.00	\$970,751	\$36,187	2.0	38.0	0.0
392.1 - Transportation-Cars	\$23,951	\$10,768 *	44.96	\$10,768	\$0	7.7	5.2	15.0
392.2 - Transportation-Light Trucks & Vans	\$1,041,834	\$575,092 *	55.20	\$575,092	\$0	8.0	4.1	12.0
392.3 - Transportation - Heavy Trucks	\$3,755,922	\$2,005,662 *	53.40	\$2,005,662	\$0	6.0	6.1	10.0
392.4 - Transportation - Trailers	\$144,084	\$94,053	59.28	\$85,413	\$8,640	3.8	9.4	5.0
396 - Power Operated Equipment	\$898,523	\$335,752	38.40	\$345,033	(\$9,281)	4.0	15.4	0.0
Total General Plant Assets	\$9,909,111	\$4,028,265		\$3,992,719	\$35,546			
GRAND TOTAL	\$154,932,014	\$66,286,321		\$66,096,722	\$189,599			

* Reflects restated reserve after proposed corrective reserve allocations and amortization of transportation reserve surplus.
 ** Reflects reserve adjusted for Hurricane Michael unrecovered costs addressed in Docket No. 20190155-EI.

FPUC Responses to Staff's First Data Request-Consolidated Electric Division

FLORIDA PUBLIC UTILITIES
2019 CONSOLIDATED ELECTRIC DIVISIONS
PROPOSED RESERVE ALLOCATIONS

ACCOUNT	1/1/2020 BOOK RESERVE*	THEORETICAL RESERVE	IMBALANCE	PROPOSED RESERVE ALLOCATIONS	RESTATE RESERVE
352 Structures and Improvements	96,690	59,504	37,186	(37,186)	59,504
354 Towers and Fixtures	214,014	197,091	16,923	(16,923)	197,091
355 Poles and Fixtures	189,827	1,367,019	(1,177,192)	297,456	487,283
355.1 Poles and Fixtures - Concrete	921,836	678,489	243,347	(243,347)	678,489
TOTAL	1,422,367	42,311,066	42,311,066	0	1,422,367

ACCOUNT	1/1/2020 BOOK RESERVE*	THEORETICAL RESERVE	IMBALANCE	4-YR. AMORTIZATION
392.1 Transportation-Cars	33,548	10,768	22,780	(5,695)
392.2 Transportation-Light Trucks & Vans	630,885	575,092	55,793	(13,948)
392.3 Transportation-Heavy Trucks	2,440,985	2,005,662	435,323	(108,831)
TOTAL	3,105,418	2,591,522	513,896	(128,474)

* Sch. F 2019

**FLORIDA PUBLIC UTILITIES
2019 CONSOLIDATED ELECTRIC DIVISIONS
COMPARISON OF CURRENT AND PROPOSED DEPRECIATION RATES**

ACCOUNT	1/1/2020 INVESTMENT	1/1/2020 RESERVE	CURRENT					COMPANY PROPOSED				
			AVERAGE SERVICE LIFE (YRS.)	AVERAGE REMAINING LIFE (YRS.)	NET SALVAGE (%)	AGE (YRS.)	CURVE	AVERAGE SERVICE LIFE (YRS.)	AVERAGE REMAINING LIFE (YRS.)	NET SALVAGE (%)	(Sch. L) AGE (YRS.)	CURVE
TRANSMISSION PLANT												
350.1 - Land Rights	\$0	\$0	70.0	26.0	0.0	44.2	SQ	75.0	75.0	0.0	0.0	SQ
352 - Structures and Improvements	\$1,919,496	\$59,504 *	55.0	50.0	0.0	5.2	S5	60.0	57.0	0.0	3.2	S5
353 - Station Equipment	\$7,581,692	\$1,623,570	40.0	27.0	5.0	13.4	S2	45.0	35.0	0.0	10.2	S3
354 - Towers and Fixtures	\$249,798	\$197,091 *	55.0	14.5	(15.0)	40.5	S6	60.0	19.0	(15.0)	41.0	S6
355 - Poles and Fixtures	\$1,659,809	\$487,283 *	40.0	16.9	(40.0)	23.2	R5	40.0	17.8	(50.0)	23.0	R4
355.1 - Poles and Fixtures - Concrete	\$4,014,730	\$678,489 *	45.0	41.0	(30.0)	4.5	R4	45.0	39.0	(30.0)	5.8	R4
356 - Overhead Conductors and Devices	\$3,674,653	\$563,667	50.0	36.0	(20.0)	14.1	S2	55.0	46.0	(20.0)	9.2	S2
359 - Roads and Trails	\$6,788	\$6,009	65.0	12.5	0.0	52.5	SQ	70.0	12.5	0.0	57.5	SQ
Total Transmission Assets	\$19,106,966	\$3,615,614										
DISTRIBUTION PLANT												
360.1 - Land Rights	\$56,995	\$34,100	60.0	31.0	0.0	29.5	SQ	60.0	26.0	0.0	34.5	SQ
361 - Structures and Improvements	\$1,198,983	\$108,223	60.0	47.0	(5.0)	13.0	SQ	60.0	54.0	(5.0)	5.6	SQ
362 - Station Equipment	\$13,235,887	\$3,869,925	45.0	34.0	(10.0)	11.2	S3	50.0	38.0	(10.0)	11.9	S3
364 - Poles, Towers, and Fixtures	\$25,869,789	\$9,265,961 **	38.0	24.0	(45.0)	14.4	R4	38.0	28.0	(50.0)	10.2	R4
365 - Overhead Conductors & Devices	\$20,427,593	\$10,443,893 **	40.0	21.0	(35.0)	19.3	R5	45.0	30.0	(35.0)	15.1	R5
366 - Underground Conduit	\$7,034,164	\$1,359,793	60.0	50.0	(5.0)	10.4	R5	60.0	47.0	(5.0)	12.6	R5
367 - Underground Conductors & Devices	\$10,218,344	\$3,955,509	35.0	23.0	(5.0)	12.2	R4	35.0	21.0	(5.0)	13.9	R4
368 - Line Transformers	\$22,458,863	\$15,095,313 **	30.0	12.4	(20.0)	17.7	S4	30.0	13.6	(20.0)	16.5	S4
369 - Services	\$14,341,344	\$8,198,131 **	37.0	19.9	(35.0)	17.1	R5	40.0	25.0	(40.0)	15.4	R5
370 - Meters	\$5,085,099	\$3,085,554 **	30.0	11.9	(10.0)	18.2	R5	30.0	13.0	(10.0)	17.0	R5
371 - Installation on Customers' Premises	\$3,263,292	\$1,784,044	20.0	9.6	10.0	10.7	S3	25.0	13.6	5.0	11.6	S3
373 - Street Lighting & Signal Systems	\$2,725,584	\$1,441,996 **	22.0	7.6	(10.0)	16.6	R3	22.0	11.4	(10.0)	11.5	R3
Total Distribution Assets	\$125,915,937	\$58,642,442										
GENERAL PLANT												
390 - Structures & Improvements	\$4,044,796	\$1,006,938	50.0	41.0	0.0	9.0	R4	50.0	38.0	0.0	12.7	R4
392.1 - Transportation-Cars	\$23,951	\$33,548	7.0	6.0	15.0	1.0	S2	11.0	5.2	15.0	6.5	S2
392.2 - Transportation-Light Trucks & Vans	\$1,041,834	\$630,885	9.0	4.9	12.0	4.1	S4	11.0	4.1	12.0	7.0	S4
392.3 - Transportation - Heavy Trucks	\$3,755,922	\$2,440,985	13.0	6.4	10.0	6.8	S3	15.0	6.1	10.0	9.4	S3
392.4 - Transportation - Trailers	\$144,084	\$94,053	25.0	13.8	5.0	11.4	R4	25.0	9.4	5.0	16.4	R4
396 - Power Operated Equipment	\$898,523	\$335,752	25.0	8.4	0.0	16.6	S6	25.0	15.4	0.0	9.6	S6
Total General Plant Assets	\$9,909,111	\$4,542,160										
GRAND TOTAL	154,932,014	66,800,216										

* Reflects restated reserve after proposed corrective reserve allocations and amortization of transportation reserve surplus.

** Reflects reserve adjusted for Hurricane Michael unrecovered costs addressed in Docket No. 20190155-EI.

FLORIDA PUBLIC UTILITIES COMPANY
 2019 CONSOLIDATED ELECTRIC DIVISIONS
 PLANT IN SERVICE AND RESERVE SUMMARY
 2019 - Projected

PLANT IN SERVICE (\$)							RESERVE (\$)					(CREDIT BALANCES)			
Plant Acct.	Beginning Balance	Additions	Transfers	Retirements	Purch. & Adj.	Ending Balance	Plant Acct.	Beginning Balance	Retirements	Accruals	Salvage	Cost of Removal	Transfers	Purch. & Adj.	Ending Balance
350	17,629	-	-	-	-	17,629	350	-	-	-	-	-	-	-	0
3501	-	-	-	-	-	-	3501	0	-	-	-	-	-	-	0
352	1,919,496	-	-	-	-	1,919,496	352	62,139	-	34,551	-	-	-	-	96,690
353	6,961,692	620,000	-	-	-	7,581,692	353	1,436,551	-	187,019	-	-	-	-	1,623,570
354	224,802	24,996	-	-	-	249,798	354	209,183	-	4,830	-	-	-	-	214,014
355	1,447,747	300,000	-	(87,938)	-	1,659,809	355	413,699	(87,938)	63,424	12,219	(211,577)	-	-	189,827
3551	4,014,730	-	-	-	-	4,014,730	3551	694,393	-	114,832	117,845	(5,234)	-	-	921,836
356	3,093,939	700,000	-	(119,287)	-	3,674,653	356	506,497	(119,287)	80,373	99,792	(3,708)	-	-	563,667
359	6,788	-	-	-	-	6,788	359	5,907	-	102	-	-	-	-	6,009
360	13,572	-	-	-	-	13,572	360	-	-	-	-	-	-	-	0
3601	56,995	-	-	-	-	56,995	3601	33,188	-	912	-	-	-	-	34,100
361	1,198,983	-	-	-	-	1,198,983	361	87,840	-	20,383	-	-	-	-	108,223
362	12,928,998	306,889	-	-	-	13,235,887	362	3,556,893	-	313,032	-	-	-	-	3,869,925
364	16,331,420	9,599,015	-	(60,646)	-	25,869,789	364	8,338,452	(60,646)	873,080	-	(5,176,931)	-	5,292,006	9,265,961
365	14,717,974	5,747,186	-	(37,567)	-	20,427,593	365	9,734,280	(37,567)	621,037	34,596	(1,813,322)	-	1,904,870	10,443,893
366	6,603,481	431,408	-	(725)	-	7,034,164	366	1,243,158	(725)	120,836	-	(3,476)	-	-	1,359,793
367	9,347,186	875,481	-	(4,322)	-	10,218,344	367	3,659,449	(4,322)	307,878	91	(7,587)	-	-	3,955,509
368	18,493,237	4,088,422	-	(122,796)	-	22,458,863	368	14,300,065	(122,796)	839,605	29,804	(35,630)	-	84,264	15,095,313
369	11,263,916	3,177,535	-	(100,107)	-	14,341,344	369	7,797,264	(100,107)	480,906	857	(250,245)	-	269,456	8,198,131
370	4,330,322	806,228	-	(51,451)	-	5,085,099	370	2,939,933	(51,451)	181,041	666	(148,586)	-	163,951	3,085,554
371	3,487,204	230,631	-	(454,543)	-	3,263,292	371	1,880,459	(454,543)	149,307	-	(9,554)	-	218,376	1,784,044
373	2,354,078	488,385	-	(116,880)	-	2,725,584	373	1,390,563	(116,880)	120,334	-	(4,360)	-	52,338	1,441,996
380	320,005	-	-	-	-	320,005	380	-	-	-	-	-	-	-	0
389	864,156	-	-	-	-	864,156	389	6,704	-	-	-	-	-	-	6,704
390	4,010,284	37,562	-	(3,050)	-	4,044,796	390	929,678	(3,050)	80,310	-	-	-	-	1,006,938
3910	445,012	10,008	-	-	-	455,020	3910	180,746	-	66,767	-	-	-	-	247,513
3911	10,900	25,201	-	-	-	36,101	3911	146,100	-	1,557	-	-	-	-	147,657
3912	276,867	-	-	-	-	276,867	3912	281,998	-	1,955	-	-	-	-	283,953
3913	6,997	-	-	-	-	6,997	3913	6,540	-	229	-	-	-	-	6,769
3914	1,460,293	128,829	-	-	-	1,589,122	3914	1,089,718	-	35,056	-	-	-	-	1,124,773
3921	413,924	-	-	-	(389,973)	23,951	3921	30,507	-	3,041	-	-	-	-	33,548
3922	1,004,490	41,013	(27,161)	(109,789)	133,282	1,041,834	3922	675,953	(109,789)	80,049	4,339	-	(23,236)	3,570	630,885
3923	3,629,917	250,000	-	(381,006)	257,011	3,755,922	3923	2,541,650	(381,006)	255,950	-	-	-	24,390	2,440,985
3924	144,084	-	-	-	-	144,084	3924	84,948	-	11,362	-	-	-	(2,258)	94,053
393	149,712	18,000	-	-	-	167,712	393	150,960	-	396	-	-	-	-	151,356
394	439,048	40,008	-	-	-	479,056	3930	342,893	-	37,962	-	-	-	-	380,854
395	119,512	-	-	-	-	119,512	3940	118,600	-	1,097	-	-	-	-	119,696
396	884,704	13,819	-	-	-	898,523	396	296,825	-	38,927	-	-	-	-	335,752
397	366,628	4,500	-	-	-	371,128	397	366,593	-	15,834	-	-	-	-	382,428
398	56,868	-	-	-	-	56,868	398	44,867	-	5,790	-	-	-	-	50,657
399	10,000	-	-	-	-	10,000	399	10,000	-	-	-	-	-	-	10,000
TOTAL	133,427,589	27,965,117	(27,161)	(1,650,107)	320	159,715,758		65,595,194	(1,650,107)	5,149,763	300,209	(7,670,210)	(23,236)	8,010,963	69,712,576

FLORIDA PUBLIC UTILITIES COMPANY
2019 CONSOLIDATED ELECTRIC DIVISIONS
Exhibit F 2016 Notes

Exhibit	Schedule	Column	Account	Value	Comment
Sch F 2016	Plant in Service	Additions	364	\$ 711,383	ASR reported \$721,208. Reduced balance by \$9,825 for CIAC. CIAC was reported as Purch. & Adj..
Sch F 2016	Plant in Service	Transfers	3921	\$ -	ASR reported \$65,720. Reclassification of vehicle rebate booked to the incorrect transportation account. Moved to Adj. Purch. & Adj..
Sch F 2016	Plant in Service	Transfers	3923	\$ -	ASR reported (\$65,720). Reclassification of vehicle rebate booked to the incorrect transportation account. Moved to Adj. Purch. & Adj..
Sch F 2016	Plant in Service	Retirements	370	\$ (70,375)	ASR reported (\$69,818). Retirements were booked at book value and not original costs. Increased balance by (\$557) to correct the error. GL will be corrected in 2019.
Sch F 2016	Plant in Service	Purch. & Adj.	364	\$ -	ASR reported (\$9,825). This was for CIAC and have been moved to Additions.
Sch F 2016	Plant in Service	Purch. & Adj.	3921	\$ 65,720	ASR reported \$0. Reclassification of vehicle rebate booked to the incorrect transportation account. Moved to Adj. Purch. & Adj..
Sch F 2016	Plant in Service	Purch. & Adj.	3923	\$ (65,720)	ASR reported \$0. Reclassification of vehicle rebate booked to the incorrect transportation account. Moved to Adj. Purch. & Adj..
Sch F 2016	Reserve	Retirements	370	\$ (70,375)	ASR reported (\$69,818). Retirements were booked at book value and not original costs. Increased balance by (\$557) to correct the error. GL will be corrected in 2019.
Sch F 2016	Reserve	Salvage	365	\$ 3,922	ASR reported \$3,241. Salvage was reported as COR.
Sch F 2016	Reserve	Salvage	368	\$ 229	ASR reported \$51. Salvage was reported as COR.
Sch F 2016	Reserve	Salvage	369	\$ 980	ASR reported \$810. Salvage was reported as COR.
Sch F 2016	Reserve	Salvage	370	\$ 1,272	ASR reported \$772. Salvage was reported as COR.
Sch F 2016	Reserve	COR	365	\$ (35,197)	ASR reported (\$34,516). Salvage was reported as COR.
Sch F 2016	Reserve	COR	368	\$ (26,189)	ASR reported (\$26,010). Salvage was reported as COR.
Sch F 2016	Reserve	COR	369	\$ (19,664)	ASR reported (\$19,494). Salvage was reported as COR.
Sch F 2016	Reserve	COR	370	\$ (4,425)	ASR reported (\$3,925). Salvage was reported as COR.

FLORIDA PUBLIC UTILITIES COMPANY
 2019 CONSOLIDATED ELECTRIC DIVISIONS
 2019 PROJECTED MONTHLY DEPRECIATION EXPENSE (ACTUAL THROUGH JUNE)

ACCT	DESCRIPTION	RATE	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED	PROJECTED	TOTAL
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
350	Land	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-
3501	Land Rights	1.4%	-	-	-	-	-	-	-	-	-	-	-	-	-
352	Structures & Improvements	1.8%	2,879	2,879	2,879	2,879	2,879	2,879	2,879	2,879	2,879	2,879	2,879	2,879	34,551
353	Station Equipment	2.6%	15,084	15,084	15,379	15,387	15,391	15,473	15,473	15,632	15,791	15,950	16,109	16,268	187,019
354	Towers & Fixtures	2.1%	393	393	393	393	393	393	393	401	408	415	423	430	4,830
355	Poles & Fixtures	4.1%	5,322	5,322	5,322	5,322	5,322	5,322	4,946	5,067	5,188	5,309	5,429	5,550	63,424
3551	Poles & Fixtures - Concrete	2.9%	9,436	9,436	9,436	9,436	9,436	9,436	9,702	9,702	9,702	9,702	9,702	9,702	114,832
356	Overhead Conductors & Devices	2.5%	6,446	6,446	6,446	6,446	6,446	6,446	6,446	6,647	6,849	7,051	7,252	7,454	80,373
359	Roads & Trails	1.5%	8	8	8	8	8	8	8	8	8	8	8	8	102
360	Land	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-
3601	Land Rights	1.6%	76	76	76	76	76	76	76	76	76	76	76	76	912
361	Structures & Improvements	1.7%	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	20,383
362	Station Equipment	2.4%	25,858	25,858	25,897	25,956	25,989	26,000	26,084	26,149	26,213	26,278	26,343	26,407	313,032
364	Poles, Towers & Fixtures	3.9%	53,077	53,077	53,122	74,968	78,016	78,076	77,872	78,906	79,940	80,974	82,009	83,043	873,080
365	Overhead Conductors & Devices	3.4%	41,696	41,696	41,790	53,906	54,031	54,059	54,047	54,686	55,324	55,963	56,601	57,240	621,037
366	Underground Conduit	1.8%	9,905	9,905	9,916	9,929	9,944	9,950	9,974	10,070	10,166	10,263	10,359	10,455	120,836
367	Underground Conductors & Device	3.2%	24,926	24,926	24,957	25,506	25,326	25,343	25,363	25,678	25,992	26,306	26,620	26,935	307,878
368	Line Transformers	4.0%	61,644	61,644	62,098	69,213	72,168	72,199	72,424	72,830	73,237	73,643	74,050	74,456	839,605
369	Services	3.6%	33,781	33,781	33,823	41,358	41,844	41,915	41,956	42,134	42,312	42,490	42,668	42,846	480,906
370	Meters	3.7%	13,411	13,411	13,450	16,187	15,554	15,556	15,507	15,536	15,564	15,593	15,622	15,650	181,041
371	Installations on Customers' Premises	4.5%	13,012	13,012	13,038	13,195	11,897	11,999	12,160	12,173	12,186	12,199	12,211	12,224	149,307
373	Street Lighting & Signal Systems	4.9%	9,628	9,628	9,636	9,364	9,850	9,888	9,862	10,073	10,285	10,496	10,707	10,918	120,334
380	Land & Land Rights	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-
389	Land	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-
390	Structures & Improvements	2.0%	6,684	6,684	6,684	6,684	6,684	6,684	6,684	6,691	6,698	6,705	6,712	6,719	80,310
3910	Office Furniture & Equipment	Amort 7	5,578	5,409	5,578	5,578	5,578	5,578	5,578	5,578	5,578	5,578	5,578	5,578	66,767
3911	Computers & Peripherals	Amort 5	130	130	130	130	130	130	130	130	130	130	130	130	1,557
3912	Computer Equipment	Amort 5	296	151	151	151	151	151	151	151	151	151	151	151	1,955
3913	Office Furniture & Fixtures	Amort 7	19	19	19	19	19	19	19	19	19	19	19	19	229
3914	Software	Amort 5	3,136	2,902	2,902	2,902	2,902	2,902	2,902	2,902	2,902	2,902	2,902	2,902	35,056
3921	Transportation - Cars	11.9%	507	507	507	507	507	507	-	-	-	-	-	-	3,041
3922	Transportation - Light Trucks & Vans	7.8%	6,461	6,461	6,988	6,988	6,988	6,988	6,529	6,529	6,529	6,529	6,529	6,529	80,049
3923	Transportation - Heavy Trucks	7.0%	19,931	19,931	22,260	22,260	22,260	22,260	21,175	21,175	21,175	21,175	21,175	21,175	255,950
3924	Transportation - Trailers	3.7%	3,354	3,354	497	497	497	497	444	444	444	444	444	444	11,362
393	Stores Equipment	Amort 7	396	-	-	-	-	-	-	-	-	-	-	-	396
394	Tools/Shop Equipment	Amort 7	3,144	3,165	3,165	3,165	3,165	3,165	3,165	3,165	3,165	3,165	3,165	3,165	37,962
395	Lab Equipment	Amort 7	554	543	-	-	-	-	-	-	-	-	-	-	1,097
396	Power Operated Equipment	4.4%	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	38,927
397	Communications Equipment	Amort 5	2,521	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	15,834
398	Miscellaneous Equipment	Amort 7	482	483	483	483	483	483	483	483	483	483	483	483	5,790
399	Misc Tangible Assets	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			384,717	382,473	383,184	435,045	440,088	440,536	438,584	442,065	445,546	449,027	452,508	455,989	5,149,763