



**The Empire District Electric Company**  
**A Liberty Utilities Company**  
Case No. ER-2019-0374  
OPC Data Request – 3045

Data Request Received: 03/05/20  
Request No. 3045

Date of Response: 04/01/20  
Respondent: Stephanie Varner/Steve Williams

Submitted by: David Murray

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**REQUEST:**

For the period Algonquin acquired Empire through the January 31, 2020, true-up cut-off date in this case, please provide:

- (A) The monthly average Empire electric CWIP balance, and the amount of AFUDC charged;
- (B) The monthly AFUDC rate in effect for each month;
- (C) The specific details (i.e. capital components with related costs) used to develop each AFUDC rate during this period;
- (D) And the monthly allowance for the deferred tax for the equity component of AFUDC.

**RESPONSE:**

- (A) The table below shows the monthly basis on which AFUDC is calculated and the total AFUDC by month.

<b>Year</b>	<b>Month</b>	<b>AFUDC Base</b>	<b>Total AFUDC</b>
2017	January	26,534,450.96	78,294.60
2017	February	22,133,490.21	79,925.81
2017	March	24,258,665.27	91,185.00
2017	April	24,863,698.59	11,580.47
2017	May	29,446,021.37	51,106.64
2017	June	30,044,082.24	48,747.52
2017	July	24,951,051.68	104,146.75
2017	August	28,683,145.40	124,215.09
2017	September	30,410,185.69	129,040.55
2017	October	32,280,167.45	116,370.93
2017	November	36,684,130.83	136,512.60
2017	December	36,646,331.07	439,017.36



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2018	January	31,054,234.14	143,086.20
2018	February	34,024,469.90	160,139.59
2018	March	34,829,873.88	163,276.38
2018	April	42,140,877.04	199,498.17
2018	May	37,135,096.01	186,022.15
2018	June	37,029,483.27	199,295.11
2018	July	38,320,817.21	192,024.33
2018	August	40,573,878.39	227,365.94
2018	September	33,023,589.88	148,382.98
2018	October	32,182,211.50	136,711.97
2018	November	32,052,352.14	173,181.36
2018	December	34,476,809.26	272,509.02
2019	January	44,282,613.83	134,880.39
2019	February	51,445,797.68	168,434.85
2019	March	56,023,458.56	181,576.91
2019	April	65,069,435.74	244,159.63
2019	May	74,042,409.85	342,962.90
2019	June	76,133,963.45	344,384.21
2019	July	79,059,346.36	417,504.77
2019	August	85,735,973.19	442,293.03
2019	September	89,980,944.73	407,325.62
2019	October	87,329,807.32	444,572.55
2019	November	103,667,279.75	521,253.24
2019	December	110,262,775.21	1,410,781.92
2020	January	78,748,831.38	412,806.39

(B) The AFUDC rate for 2017, 2018, 2019 and January 2020 was 5.51%, 6.77%, 7.34%, and 6.89% respectively.

(C)

	2017	2018	2019	2020
Average Short Term Debt	\$ 10,103,219	\$ 5,479,105	\$ 2,458,000	\$ 17,666,000
Short Term Debt Interest Rate	0.0114	0.0197	0.0276	0.0208
Long Term Debt	\$ 819,417,122	\$ 820,658,704	\$ 821,380,932	\$ 822,526,702
Long Term Debt Interest Rate	0.0514	0.0514	0.0493	0.0493
Common Equity	\$ 827,896,123	\$ 818,229,574	\$ 844,407,089	\$ 924,271,905
Common Equity Cost Rate	0.09700	0.09700	0.09700	0.09700
Average Balance in CWIP	\$ 31,905,981	\$ 39,452,494	\$ 84,938,232	\$ 141,664,567



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- (D) Equity AFUDC is a permanent difference. Accordingly, there is not a monthly component of deferred income tax expense related to equity AFUDC.