

Revenue Requirement Calculation

	Dec - 2019	Jan - 2020	Feb - 2020	Mar - 2020	Apr - 2020	May - 2020	Jun - 2020	Jul - 2020	Aug - 2020	Sep - 2020	Oct - 2020	Nov - 2020	Dec - 2020	
10245258-MNGP Extended Power Uprate														
A Plant In-Service (CAA Input)	643,782,253	643,782,253	643,782,253	643,782,253	643,782,253	643,782,253	643,782,253	643,782,253	643,782,253	643,782,253	643,782,253	643,782,253	643,782,253	
B Depreciation Reserve (CAA Input)	240,987,769	244,110,207	247,232,645	250,355,083	253,477,521	256,599,959	259,722,396	262,844,834	265,967,272	269,089,710	272,212,148	275,334,586	278,457,024	
C Net Plant in Service (A-B)	402,794,484	399,672,046	396,549,608	393,427,171	390,304,733	387,182,295	384,059,857	380,937,419	377,814,981	374,692,543	371,570,106	368,447,668	365,325,230	
D Average Net Plant (Prior Mo + Cur Month)/2		401,233,265	398,110,827	394,988,390	391,865,952	388,743,514	385,621,076	382,498,638	379,376,200	376,253,762	373,131,324	370,008,887	366,886,449	
E Accumulated Deferred Taxes (CAA Input)		94,771,194	94,095,816	93,420,437	92,745,059	92,069,681	91,394,302	90,718,924	90,043,546	89,368,168	88,692,789	88,017,411	87,342,033	
F ADIT Pro-Rate (See Below)		(326,796)	(326,045)	(326,796)	(337,689)	(326,796)	(337,689)	(326,796)	(326,796)	(337,689)	(326,796)	(337,689)	(326,796)	
G ADIT Balance (for "Average Rate Base" calc)		94,444,398	93,769,771	93,093,641	92,407,370	91,742,885	91,056,613	90,392,128	89,716,750	89,030,478	88,365,993	87,679,722	87,015,237	
H Average Rate Base (Ave Net Plant [D] - ADIT [G])		306,788,867	304,341,056	301,894,748	299,458,582	297,000,629	294,564,463	292,106,510	289,659,450	287,223,284	284,765,331	282,329,165	279,871,212	
I Tax Depreciation Expense (CAA Input)		1,215,518	1,215,518	1,215,518	1,215,518	1,215,518	1,215,518	1,215,518	1,215,518	1,215,518	1,215,518	1,215,518	1,215,518	
J Debt Return (Ave RB * Wtd Cost of Debt)	[TRADE SECRET BEGINS]													TRADE SECRET
K Equity Return (Ave RB * Wtd Cost of Equity)	[TRADE SECRET BEGINS]													TRADE SECRET
L Current Income Tax Requirement (See Below)		667,170	664,458	661,749	659,051	656,328	653,630	650,907	648,197	645,499	642,776	640,078	637,356	
M Book Depreciation (CAA Input)		3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	
N Deferred Taxes (CAA Input)		(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	
O Total Revenue Requirement (J+K+L+M+N)		4,960,075	4,942,637	4,925,209	4,907,853	4,890,342	4,872,986	4,855,475	4,838,041	4,820,685	4,803,174	4,785,818	4,768,307	
P Jurisdiction Revenue Requirement (O * SD Jur Factor)		283,472	282,476	281,480	280,488	279,487	278,495	277,494	276,498	275,506	274,505	273,513	272,513	
Q Base Rates (Amt for project in 2014 Test Year)		(119,942)	(119,942)	(119,942)	(119,942)	(119,942)	(119,942)	(119,942)	(119,942)	(119,942)	(119,942)	(119,942)	(119,942)	
R Rider Revenue Requirement (P - Q)		163,531	162,534	161,538	160,546	159,545	158,553	157,553	156,556	155,564	154,564	153,572	152,571	1,896,628

Authorized Cap Structure per EL14-058

	Capital Structure	Weighted Cost
Long Term Debt	[TRADE SECRET BEGINS]	
Short Term Debt		
Preferred Stock		
Common Equity		[TRADE SECRET ENDS]
Required Rate of Return		7.2200%
Tax Rate (SD)		21.0000%
SD Jurisdictional Factor		5.7151%

Current Tax Calculation

	Dec - 2019	Jan - 2020	Feb - 2020	Mar - 2020	Apr - 2020	May - 2020	Jun - 2020	Jul - 2020	Aug - 2020	Sep - 2020	Oct - 2020	Nov - 2020	Dec - 2020	
Equity Return (Item K)	[TRADE SECRET BEGINS]													TRADE SECRET
Book Depreciation (Item M)	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	3,122,438	
Deferred Taxes (Item N)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	
Less Tax Depreciation (Item I)	(1,215,518)	(1,215,518)	(1,215,518)	(1,215,518)	(1,215,518)	(1,215,518)	(1,215,518)	(1,215,518)	(1,215,518)	(1,215,518)	(1,215,518)	(1,215,518)	(1,215,518)	
Plus CPI-Tax Interest (If Applicable)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sum	2,509,828	2,499,629	2,489,436	2,479,286	2,469,044	2,458,893	2,448,652	2,438,456	2,428,305	2,418,064	2,407,913	2,397,672	2,387,431	
Tax Rate (T/(L-T))	26.58%	26.58%	26.58%	26.58%	26.58%	26.58%	26.58%	26.58%	26.58%	26.58%	26.58%	26.58%	26.58%	
Tax Calc (Sum * Tax Rate)	667,170	664,458	661,749	659,051	656,328	653,630	650,907	648,197	645,499	642,776	640,078	637,356	634,637	

ADIT Pro-Ration Calculation

	Dec - 2019	Jan - 2020	Feb - 2020	Mar - 2020	Apr - 2020	May - 2020	Jun - 2020	Jul - 2020	Aug - 2020	Sep - 2020	Oct - 2020	Nov - 2020	Dec - 2020
Pro-Rate Days in Month	15/31	14/29	15/31	15/30	15/31	15/30	15/31	15/31	15/30	15/30	15/31	15/30	15/31
ADIT Pro-rate Factor (# Days as %)	48.3871%	48.2759%	48.3871%	50.0000%	48.3871%	50.0000%	48.3871%	50.0000%	48.3871%	50.0000%	48.3871%	50.0000%	48.3871%
Deferred Tax Activity (Item N)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)	(675,378)
Deferred Tax Pro-rate (Def Tax Activity * Factor)	(326,796)	(326,045)	(326,796)	(337,689)	(326,796)	(337,689)	(326,796)	(337,689)	(326,796)	(337,689)	(326,796)	(337,689)	(326,796)
Pro-Ration On = 1	1	1	1	1	1	1	1	1	1	1	1	1	1

CAA = Capital Asset Accounting