

AEP West SPP Member Operating Companies  
Calculation of Actual/ Projected Zonal Rate For Schedule 9  
For the 2020 Rate Year

**SPP Zone 1 Actual/ Projected AEP Revenue Requirements**

Line No.			AEP Annual Revenue Requirement	PSO Annual Revenue Requirement	SWEPCO Annual Revenue Requirement
1	RATE YEAR REVENUE REQUIREMENT (w/o incentives)	(TCOS Line 1 )	289,384,229	\$91,670,125	\$197,714,104
2	LESS: REVENUE CREDITS	(TCOS Line 2 )	15,189,830	\$6,396,325	\$8,793,504
3	NETWORK CUSTOMER OWNED FACILITY CREDITS	(TCOS Line 3 )	\$0	\$0	\$0
4	RATE YEAR ZONE 1 AEP NETWORK SERVICE REVENUE REQUIREMENT	(TCOS Line 4 )	<u>\$274,194,399</u>	<u>\$85,273,799</u>	<u>\$188,920,600</u>
5	LESS: REVENUE REQUIREMENTS INCLUDED IN LINE 1 FOR:			31.100%	68.900%
6	BASE PLAN UPGRADES (W/O INCENTIVES)	(TCOS Line 5 )	87,390,334	7,973,839	79,416,495
7	REQUESTED UPGRADES (W/O INCENTIVES)	(Worksheet F/G)	-	-	-
8	ECONOMIC UPGRADES (W/O INCENTIVES)	(Worksheet F/G)	-	-	-
9	SUBTOTAL		<u>87,390,334</u>	<u>7,973,839</u>	<u>79,416,495</u>
10	EXISTING ZONAL PTRR (W/O INCENTIVES)	(Line 4- Line 9)	<u>186,804,066</u>	<u>77,299,961</u>	<u>109,504,105</u>
10A	Refund Required (See Audit FA17-1-000)		(24,068)	(9,986)	(14,082)
11	INCENTIVE REVENUE REQUIREMENT FOR ZONAL PROJECTS	(TCOS Line 13 )	-	-	-
12	<b>RATE YEAR ZONAL PTRR (W/ INCENTIVES)</b>	<b>(Line 10 + Line 11)</b>	<b>186,779,998</b>	<b>77,289,975</b>	<b>109,490,023</b>
13	Actual/Projected Rate Year AEP West Zone Average 12-Mo. Peak Demand, MW	(Load WS, In 34)	8,347	8,347	8,347
14	<b>Monthly NITS Rate in \$/MW - Month</b>	<b>(Line 12 / Line 13) /12</b>	<b>1,864.74</b>	<b>771.63</b>	<b>1,093.11</b>

AEP West SPP Member Operating Companies  
Utilizing Actual / Projected Cost Data for the 2020 Rate Year  
For rates effective January 1, 2020

**SPP SCHEDULE 1 AEP Revenue Requirements**

Line No.		AEP Annual Revenue Requirement	PSO Annual Revenue Requirement	SWEPCO Annual Revenue Requirement
<b>A. Schedule 1 ARR For 2020 Rate Year</b>				
1	Total Load Dispatch & Scheduling (Account 561) (TCOS Line 65)	\$28,240,888	\$14,211,878	\$14,029,010
2	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)	\$23,495,571	\$11,929,343	\$11,566,228
3	Less: Load Dispatch - Reliability, Planning & Standards Development Services (321.92.b)	\$2,268,000	\$1,140,000	\$1,128,000
4	Total 561 Internally Developed Costs	(Line 1 - Line 2 - Line 3) \$2,477,316	\$1,142,535	\$1,334,782
5	Less: PTP Service Credit (prior year Sched 1 revenue from PTP transactions)	579,449	\$271,507	\$307,943
6	<b>ZONAL ARR FOR RATE YEAR</b>	(Line 4 - Line 5) \$1,897,867	\$871,028	\$1,026,839
			45.895%	54.105%
<b>B. Schedule 1 2020 Rate Year Calculations</b>				
7	Rate Year AEP West Zone SPP Average 12-Mo. Peak Demand	(Load WS, In 20)	8,347 MW	
8	Annual Point-to-Point Rate in \$/MW - Year	(Line 6 / Line 7)	\$227.37	
9	Monthly Point-to-Point Rate (In 8 / 12) \$/MW - Month	(Line 8 / 12)	\$18.95	
10	Weekly Point-to-Point Rate (In 8 / 52) \$/MW - Weekly	(Line 8 / 52)	\$4.37	
11	Daily Off-Peak Point-to-Point Rate (In 8 / 365) \$/MW - Day	(Line 8 / 365)	\$0.62	
12	Hourly Off-Peak Point-to-Point Rate (In 8 / 8760) \$/MW - Hour	(Line 8 / 8760)	\$0.03	

AEP Transmission Formula Rate Template  
 Calculation of Schedule 11 Revenue Requirements For AEP Transmission Projects  
 For Calendar Year 2019 and Projected Year 2020

AEP Schedule 11 Revenue Requirement Including True-Up of Prior Collections

PUBLIC SERVICE COMPANY OF OKLAHOMA

(37,936)

Note: Project's whose investment cost do NOT meet SPP's \$100,000 threshold for 'regional' socialization are marked with an asterisk "\*" as SPP will only collect those ATRRs from the zone.

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (E) + (F)	(H)	(I)	(J) = (H) - (I)	(K)	(L)	(M) = (K)-(L)	(N)	(O)	(P) = (J)+ (N)+(M)+(O)	(Q) = (G) + (P)
Projected ARR For 2020 From WS-F			True Up ARR For 2018 From WS-G			Incentive ARR										
Sheet Name	Owner	Project Description	Year in Service	Base ARR	Incentive	Total	Actual Rate Year True Up Requirement	Projected Rate Year Revenue Requirement	TRUE-UP Adjustment (WS-G)	True-up	Projected	TRUE-UP Adjustment (WS-G)	Schedule 11 Revenue Credits and SPP Billing Adjustments	Interest	Total True Up net of revenue credits, including interest	Total ADJUSTED Revenue Requirement Effective 1/1/2020
P.001	PSO	Riverside-Glenpool (81-523) Reconductor	2009	96,794	-	96,794	(22,506)	115,517	127,210	-	-	-	8,803	(3,737)	(29,134)	67,660
P.002	PSO	Craig Jct. to Broken Bow Dam 138 Rebuild (7.7mi)	2009	502,810	-	502,810	(112,616)	602,470	663,454	-	-	-	45,894	(18,972)	(146,677)	356,133
P.003	PSO	WFEC New 138 kV Ties: Sayre to Erick (WFEC) Line & Atoka and Tupelo station work	2009	1,231,447	-	1,231,447	(282,189)	1,479,501	1,629,261	-	-	-	112,802	(47,206)	(366,352)	865,095
P.004	PSO	Cache-Snyder to Altus Jct. 138 kV line (w/2 ring bus stations)	2008	1,544,541	-	1,544,541	(365,098)	1,844,109	2,030,776	-	-	-	108,560	(60,300)	(503,505)	1,041,037
P.005	PSO	Catoosa 138 kV Device (Cap. Bank)	2006	39,392	-	39,392	(8,789)	47,100	51,867	-	-	-	3,508	(1,482)	(11,530)	27,862
P.006	PSO	Pryor Junction 138/69 Upgrade Transf	2008	160,493	-	160,493	(36,428)	191,860	211,281	-	-	-	14,501	(6,103)	(47,451)	113,042
P.007	PSO	Elk City - Elk City 69 kV line (CT Upgrades)*	2007	8,872	-	8,872	(2,029)	10,594	11,667	-	-	-	799	(339)	(2,641) *	6,231
P.008	PSO	Weleetka & Okmulgee Wavetrap replacement 81-805*	2006	5,710	-	5,710	(1,220)	6,861	7,555	-	-	-	513	(209)	(1,611) *	4,099
P.009	PSO	Tulsa Southeast Upgrade (repl switches)*	2007	7,531	-	7,531	(1,626)	9,048	9,964	-	-	-	682	(278)	(2,138) *	5,393
P.010	PSO	Wavetrap Clinton City-Foss Tap 69kV Ckt 1*	2010	10,576	-	10,576	(2,395)	12,669	13,951	-	-	-	972	(402)	(3,107)	7,470
P.011	PSO	Bartlesville SE to Coffeyville T Rebuild	2011	156,683	-	156,683	(36,043)	187,485	206,463	-	-	-	14,473	(6,013)	(46,561)	110,122
P.012	PSO	Canadian River - McAlester City 138 kV Line Conversion	2012	381,297	-	381,297	(89,739)	455,629	501,750	-	-	-	35,539	(14,847)	(115,167)	266,130
P.013	PSO	CoffeyvilleT to Dearing 138 kv Rebuild - 1.1 mi*	2010	2,520	-	2,520	(585)	3,014	3,320	-	-	-	234	(97)	(753)	1,767
P.014	PSO	Ashdown West - Craig Junction	2013	111,352	-	111,352	(17,619)	153,879	169,455	-	-	-	10,912	(3,628)	(25,911)	85,442
P.015	PSO	Locust Grove to Lone Star 115 kV Rebuild 2.1 miles	2014	263,885	-	263,885	(61,736)	316,273	348,287	-	-	-	24,813	(10,245)	(79,182)	184,703
P.016	PSO	Cornville Station Conversion	2014	602,674	-	602,674	(141,271)	722,106	795,200	-	-	-	56,962	(23,427)	(180,830)	421,844
P.017	PSO	Grady Customer Connection	2015	205,070	-	205,070	(48,297)	240,996	265,390	-	-	-	19,462	(7,944)	(61,174)	143,896
P.018	PSO	Darlington-Red Rock 138 kV line	2014	203,353	-	203,353	(45,364)	244,915	269,706	-	-	-	19,336	(7,667)	(58,487)	144,867
P.019	PSO	Valliant-NW Texarkana 345 kV	2017	165,990	-	165,990	(41,141)	205,998	226,850	-	-	-	19,071	(6,775)	(49,696)	116,293
P.020	PSO	Sayre 138 kV Capacitor Bank Addition	2018	246,703	-	246,703	(15,391)	87,697	96,574	-	-	-	11,173	(2,652)	(15,747)	230,957
P.021	PSO	Darlington-Roman Nose 138 kV	2017	41,623	-	41,623	416	40,501	44,600	-	-	-	4,098	(403)	12	41,635
P.022	PSO	Northeastern Station 138 kV Terminal Upgrades	2018	30,971	-	30,971	(6,505)	19,039	20,966	-	-	-	1,877	(921)	(7,477)	23,494
P.023	PSO	Elk City 138KV Move Load	2018	150,275	-	150,275	(47,400)	138,732	152,775	-	-	-	13,675	(6,715)	(54,483)	95,793
P.024	PSO	Duncan-Comanche Tap 69 KV Rebuild	2018	35,671	-	35,671	(27,335)	81,460	89,706	-	-	-	8,030	(3,888)	(31,440)	4,232
P.025	PSO	Fort Towson-Valliant Line Rebuild	2018	171,175	-	171,175	(65,943)	94,881	104,485	-	-	-	9,352	(8,256)	(74,451)	96,724
P.026	PSO	Tulsa Southeast - E. 61st St 138 kV Rebuild	2019	934,062	-	934,062	-	-	-	-	-	-	-	-	-	934,062
P.027	PSO	Broken Arrow North-Lynn Lane East 138 kV	2019	552,919	-	552,919	-	-	-	-	-	-	-	-	-	552,919
P.028	PSO	Keystone Dam - Wekiwa 138 kV	2020	109,448	-	109,448	-	-	-	-	-	-	-	-	-	109,448
PSOTotal				7,973,839	-	7,973,839	(1,478,848)	7,312,332	8,052,511	-	-	-	546,042	(242,507)	(1,915,492)	\$ 6,058,347

\*-<\$100K investment,

AEP Transmission Formula Rate Template  
 Calculation of Schedule 11 Revenue Requirements For AEP Transmission Projects  
 For Calendar Year 2019 and Projected Year 2020

**AEP Schedule 11 Revenue Requirement Including True-Up of Prior Collections**

**SOUTHWESTERN ELECTRIC POWER COMPANY**

Note: Project's whose investment cost do NOT meet SPP's \$100,000 threshold for 'regional' socialization are marked with an asterik \*\*\* as SPP will only collect those ATRRs from the zone.

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (E) + (F)	(H)	(I)	(J) = (H) - (I)	(K)	(L)	(M) = (K)-(L)	(N)	(O)	(P) = (J)+(N)+(M)+(O)	(Q) = (G) + (P)
			Projected ARR For 2020 From WS-F				True Up ARR For 2018 From WS-G			Incentive ARR						
Sheet Name	Owner	Project Description	Year in Service	Base ARR	Incentive	Total	Actual Rate Year True Up Revenue Requirement	Projected Rate Year Revenue Requirement	TRUE-UP Adjustment (WS-G)	True-up	Projected	TRUE-UP Adjustment (WS-G)	Schedule 11 Revenue Credits and SPP Billing Adjustments	Interest	Total True Up net of revenue credits including interest	Total ADJUSTED Revenue Requirement Effective 1/1/2020
S.001	SWE	Arsenal Hill Auto xfmr & AH to Water Works line	2009	1,779,932	-	1,779,932	(306,636)	2,152,517	2,370,402	-	-	-	170,350	(57,322)	(411,493)	1,368,440
S.002	SWE	SW Shreveport (sub work & tap)	2009	816,064	-	816,064	(129,599)	991,452	1,091,810	-	-	-	83,882	(25,131)	(171,206)	644,858
S.003	SWE	[NW Ark Area Improve - 2009] E. Centerton-Flint Crk, E Rogers-N Rogers, Centerton	2009	1,381,430	-	1,381,430	(252,206)	1,664,357	1,832,829	-	-	-	123,264	(45,974)	(343,387)	1,038,043
S.004	SWE	Rebuild N. Magazine - Danville 161 kV Line	2009	1,159,600	-	1,159,600	(208,577)	1,398,428	1,539,981	-	-	-	105,262	(38,264)	(283,132)	876,468
S.005	SWE	[Greenwood, AR Area Improve] N Huntington, Greenwood, Reeves, Bonanza	2009	300,374	-	300,374	(51,782)	363,232	400,000	-	-	-	28,727	(9,677)	(69,500)	230,873
S.006	SWE	Port Robson-Caplis Line (SW 138 kV Loop -- 2009)	2009	3,828,983	-	3,828,983	(633,789)	4,642,517	5,112,448	-	-	-	386,002	(120,620)	(838,338)	2,990,645
S.007	SWE	Linwood 138 Station Switch Replacement*	2009	7,714	-	7,714	(1,309)	9,337	10,282	-	-	-	747	(246)	(1,753) *	5,961
S.008	SWE	Dyess to S. Fayetteville 69 kV Convert to 161 kV (multi-projects)	2008	940,594	-	940,594	(153,238)	1,141,080	1,256,584	-	-	-	94,382	(29,370)	(203,729)	736,865
S.009	SWE	Northwest Texarkana-Bann-Alumax Tap 138kV -- reconductor	2008	278,462	-	278,462	(50,697)	335,515	369,477	-	-	-	24,759	(9,252)	(69,152)	209,311
S.010	SWE	Tontitown - Elm Springs REC 161 kV line***	2008	-	-	-	-	-	-	-	-	-	-	-	-	-
S.011	SWE	Siloam Springs - Chamber Springs 161 kV line***	2007	-	-	-	-	-	-	-	-	-	-	-	-	-
S.012	SWE	Knox Lee - Oak Hill #2 138 kV line, S. Shreveport (SWE Minor Proj II)	2007	18,188	-	18,188	(3,420)	21,866	24,079	-	-	-	1,546	(616)	(4,703)	13,485
S.013	SWE	Carthage REC - Carthage T 138 kV	2006	556,616	-	556,616	(88,195)	670,959	738,875	-	-	-	(9,974)	(17,061)	(183,146)	373,470
S.014	SWE	NW Henderson - Oak Hill 138 kV line*	2007	7,938	-	7,938	(1,362)	9,600	10,572	-	-	-	753	(255)	(1,836) *	6,102
S.015	SWE	Arsenal Hill 138kV Device (Cap. Bank)	2007	35,078	-	35,078	(6,274)	42,301	46,583	-	-	-	3,130	(1,154)	(8,579)	26,499
S.016	SWE	Daingerfield - Jenkins REC 69 kV CB Repl**	2008	38,594	-	38,594	(6,064)	46,923	51,673	-	-	-	4,036	(1,182)	(7,960)	30,634
S.017	SWE	Linwood-McWillie 138 kV Rebuild	2008	191,020	-	191,020	(34,433)	230,295	253,607	-	-	-	17,145	(6,311)	(46,911)	144,109
S.018	SWE	Port Robson (SW 138 kV Loop -- 2008)	2009	-	-	-	-	-	-	-	-	-	-	-	-	-
S.019	SWE	Wallace Lake-Prt Robson-Red Point 138 kV Loop	2008	438,991	-	438,991	(79,638)	529,155	582,717	-	-	-	39,096	(14,557)	(108,662)	330,329
S.020	SWE	[NW Ark Area Improve - 2008] Elm Springs, East Rogers, Shipec Road Stations	2008	-	-	-	-	-	-	-	-	-	-	-	-	-
S.021	SWE	Reconductor 4 mi. of McNabb-Turk	2010	166,805	-	166,805	(27,977)	202,063	222,517	-	-	-	16,483	(5,293)	(37,240)	129,565
S.022	SWE	Longwood: r&r switches, upgrade bus	2010	21,018	-	21,018	(3,668)	25,399	27,970	-	-	-	1,992	(682)	(4,929)	16,089
S.023	SWE	Reconductor: Gregton-Lake Lamond & Quitman-Westwood 69 kV lines	2010	489,431	-	489,431	(85,038)	591,617	651,502	-	-	-	46,617	(15,838)	(114,145)	375,287
S.024	SWE	Rebuild/reconductor Dyess-Elm Springs REC [Dyess Station-Flint Creek]	2010	535,699	-	535,699	(92,827)	647,652	713,210	-	-	-	51,172	(17,309)	(124,521)	411,178
S.025	SWE	Replace switch at Diana*	2010	9,189	-	9,189	(1,611)	11,102	12,225	-	-	-	870	(299)	(2,163) *	7,025
S.026	SWE	Whitney repl CB and Switches	2011	26,390	-	26,390	(4,977)	31,736	34,948	-	-	-	2,303	(895)	(6,782) *	19,608
S.027	SWE	Linwood - Powell Street 138 kV	2012	45,086	-	45,086	(7,936)	54,473	59,986	-	-	-	4,302	(1,470)	(10,617) *	34,468
S.028	SWE	Bloomburg-Texarkana Plant	2012	563,803	-	563,803	(99,139)	681,203	750,157	-	-	-	53,865	(18,370)	(132,598) *	431,205
S.029	SWE	Knox Lee - Pirkey 138 kV / Pirkey - Whitney 138 kV - Replace Breaker, Wavetraps, and reset relays and CT's	2012	203,909	-	203,909	(36,176)	246,247	271,173	-	-	-	19,364	(6,678)	(48,415) *	155,493
S.030	SWE	NW Texarkana - Turk 345	2012	5,127,682	-	5,127,682	(909,847)	6,191,972	6,818,743	-	-	-	485,687	(167,930)	(1,218,862) *	3,908,820
S.031	SWE	Lone Star South - Pittsburg 138 kV - Replace Wavetraps, reset CT's and Relays	2012	24,658	-	24,658	(4,298)	29,809	32,826	-	-	-	2,378	(799)	(5,736) *	18,922
S.032	SWE	Howell-Kilgore 69 kV rebuild	2012	447,528	-	447,528	(79,467)	540,379	595,078	-	-	-	42,298	(14,662)	(106,530) *	340,998
S.033	SWE	Flint Creek-Shipe Road 345 kV Line	2012	6,551,112	-	6,551,112	(1,167,995)	7,909,467	8,710,089	-	-	-	622,601	(215,141)	(1,561,157) *	4,989,955
S.034	SWE	Bann - LS Ordnance - Hooks 69 kV - Rebuild 7.1 mi	2013	942,767	-	942,767	(168,211)	1,136,929	1,252,012	-	-	-	89,239	(30,960)	(225,015) *	717,751
S.035	SWE	Diana - Replace North Autotransformer #3	2013	476,769	-	476,769	(85,500)	570,668	628,433	-	-	-	44,685	(15,657)	(114,236) *	362,533
S.036	SWE	Osburn 161 kV Line Work	2013	714,348	-	714,348	(137,270)	844,662	930,161	-	-	-	61,377	(24,345)	(185,738) *	528,611
S.037	SWE	SW Shreveport to Spring Ridge REC 138 kV Line Rebuild	2013	553,772	-	553,772	(99,082)	667,034	734,553	-	-	-	52,224	(18,207)	(132,585) *	421,188
S.038	SWE	Eastex Switching Station - Whitney 138 kV Station - Rebuild 2.5 miles of 138 Kv	2013	288,315	-	288,315	(50,678)	349,838	385,249	-	-	-	27,826	(9,408)	(67,672) *	220,642
S.039	SWE	Ashdown West - Craig Junction 138KV Rebuild (tie w/PSO)	2013	469,508	-	469,508	(83,384)	566,936	624,323	-	-	-	44,589	(15,384)	(111,567) *	357,941
S.040	SWE	Rock Hill to Carthage 69 kV Rebuild 11.4 Miles	2014	1,075,715	-	1,075,715	(192,081)	1,299,755	1,431,320	-	-	-	102,455	(35,370)	(256,561) *	819,154

AEP Transmission Formula Rate Template  
 Calculation of Schedule 11 Revenue Requirements For AEP Transmission Projects  
 For Calendar Year 2019 and Projected Year 2020

AEP Schedule 11 Revenue Requirement Including True-Up of Prior Collections

SOUTHWESTERN ELECTRIC POWER COMPANY

Note: Project's whose investment cost do NOT meet SPP's \$100,000 threshold for 'regional' socialization are marked with an asterik "\*" as SPP will only collect those ATRRs from the zone.

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Projected ARR For 2020 From WS-F			True Up ARR For 2018 From WS-G			Incentive ARR											
Sheet Name	Owner	Project Description	Year in Service	Base ARR	Incentive	Total	Actual Rate Year True Up Revenue Requirement	Projected Rate Year Revenue Requirement	TRUE-UP Adjustment (WS-G)	True-up	Projected	TRUE-UP Adjustment (WS-G)	Schedule 11 Revenue Credits and SPP Billing Adjustments	Interest	Total True Up net of revenue credits, including interest	Total ADJUSTED Revenue Requirement Effective 1/1/2020	
S.041	SWE	Broadmoor to Fern Street 69 kV Rebuild 1 mile	2014	551,340	-	551,340	(98,510)	668,375	736,030	-	-	-	52,830	(18,159)	(131,495) *	419,845	
S.042	SWE	Northwest Henderson to Poynter 69 kV Rebuild 3.2 miles	2014	593,403	-	593,403	(106,940)	714,348	786,657	-	-	-	55,900	(19,589)	(142,939) *	450,464	
S.043	SWE	Diana to Perdue 138 kV Rebuild 21.8 miles; Station Upgrades at Diana and Perdue	2014	1,682,642	-	1,682,642	(300,248)	2,022,020	2,226,696	-	-	-	160,601	(55,181)	(399,503) *	1,283,139	
S.044	SWE	Pittsburg-Winnsboro-North Mineola	2007	2,793,543	-	2,793,543	46,692	3,627,722	3,994,932	-	-	-	591,950	(35,028)	236,404 *	3,029,947	
S.045	SWE	CHAMBER SPRINGS - TONTITOWN 161KV CKT 1	2007	250,823	-	250,823	9,734	328,304	361,536	-	-	-	56,448	(2,568)	30,382 *	281,205	
S.046	SWE	CHAMBER SPRINGS - TONTITOWN 345KV CKT 1	2008	1,586,062	-	1,586,062	998	2,047,786	2,255,069	-	-	-	320,898	(22,544)	92,068 *	1,678,130	
S.047	SWE	FULTON - HOPE 115KV CKT 1	2012	83,775	-	83,775	(9,069)	103,911	114,430	-	-	-	11,519	(2,141)	(10,209) *	73,565	
S.048	SWE	MINEOLA - NORTH MINEOLA 69KV CKT 1	2010	16,296	-	16,296	(897)	20,617	22,703	-	-	-	2,757	(326)	(553) *	15,742	
S.049	SWE	SUGAR HILL 138/69KV TRANSFORMER CKT 1	2011	2,440	-	2,440	(243)	3,049	3,357	-	-	-	350	(60)	(262) *	2,178	
S.050	SWE	Dekalb-New Boston 69 kV	2015	1,858,641	-	1,858,641	(302,664)	2,249,254	2,476,931	-	-	-	187,243	(57,958)	(401,057) *	1,457,585	
S.051	SWE	Hardy Street-Waterworks 69 kV	2015	639,836	-	639,836	(101,226)	768,884	846,713	-	-	-	67,626	(19,568)	(130,996) *	508,840	
S.052	SWE	Red Oak (State Line)-North Huntington 69 kV	2015	1,375,144	-	1,375,144	(246,104)	1,681,897	1,852,144	-	-	-	132,618	(45,501)	(329,235) *	1,045,910	
S.053	SWE	Mt. Pleasant - West Mt. Pleasant 69 kV Ckt 1)	2015	662,547	-	662,547	(118,909)	810,404	892,435	-	-	-	63,877	(21,960)	(159,023) *	503,524	
S.054	SWE	Benteler - Port Robson 138 kV Ckt 1 and 2	2015	1,599,367	-	1,599,367	(286,990)	1,951,558	2,149,101	-	-	-	154,011	(52,952)	(383,474) *	1,215,893	
S.055	SWE	Ellerbe Rd-S Shreveport 69 kv Build	2016	1,096,540	-	1,096,540	(201,274)	1,126,522	1,240,552	-	-	-	93,646	(34,458)	(256,117) *	840,423	
S.056	SWE	Logansport 138 kv	2016	182,492	-	182,492	(32,291)	208,075	229,137	-	-	-	17,265	(5,831)	(41,918) *	140,574	
S.057	SWE	Winnsboro 138 kv	2016	143,982	-	143,982	(26,488)	149,020	164,104	-	-	-	12,311	(4,543)	(33,805) *	110,177	
S.058	SWE	Rock Hill-Springridge Pan-Harr REC 138 kv	2016	2,949,982	-	2,949,982	(503,766)	3,046,886	3,355,302	-	-	-	275,473	(88,759)	(625,468) *	2,324,515	
S.059	SWE	Brownlee-North Mrket 69 kv Rebuild	2017	2,031,210	-	2,031,210	(199,869)	2,336,555	2,573,069	-	-	-	(334,963)	(47,690)	(819,037) *	1,212,174	
S.060	SWE	Valliant-NW Texarkana 345 kV	2016	11,480,767	-	11,480,767	(2,457,517)	17,023,304	18,746,459	-	-	-	1,048,612	(456,886)	(3,588,946) *	7,891,822	
S.061	SWE	Messick 500/230 kV	2017	6,818,881	-	6,818,881	(1,392,217)	8,808,928	9,700,597	-	-	-	781,264	(249,595)	(1,752,216) *	5,066,665	
S.062	SWE	Letourneau 69 kV Capacitor Bank Addition	2017	149,182	-	149,182	(17,636)	175,921	193,728	-	-	-	17,823	(3,873)	(21,493) *	127,688	
S.063	SWE	Brooks Street - Edwards Street 69 kV Line Rebuild	2017	555,917	-	555,917	(229,969)	825,839	909,433	-	-	-	17,119	(34,268)	(330,712) *	225,206	
S.064	SWE	Hallsville - Marshall New 69 kV Circuit	2017	2,073,856	-	2,073,856	(201,898)	2,379,459	2,620,316	-	-	-	450,942	(48,387)	(40,200) *	2,033,657	
S.065	SWE	Daingerfield - Jenkins Rebuild	2017	290,131	-	290,131	30,056	275,130	302,979	-	-	-	43,118	241	45,565 *	335,696	
S.066	SWE	Broadmoor - Fort Humbug Rebuild	2017	784,273	-	784,273	(137,699)	963,329	1,060,840	-	-	-	125,754	(25,705)	(135,162) *	649,111	
S.067	SWE	Chamber Springs - Farmington 161 kV Line	2017	1,276,491	-	1,276,491	(12,382)	1,359,929	1,497,586	-	-	-	178,279	(16,397)	11,843 *	1,288,334	
S.068	SWE	Evenside - Northwest Henderson 69 KV Line Rebuild	2018	1,362,918	-	1,362,918	(158,315)	748,027	823,745	-	-	-	71,731	(25,576)	(187,878) *	1,175,040	
S.069	SWE	Hallsville - Longview Heights 69 KV Line Rebuild	2018	1,206,023	-	1,206,023	(214,030)	738,359	813,098	-	-	-	67,185	(31,558)	(253,142) *	952,881	
S.070	SWE	Linwood - South Shreveport 138 KV Kine Rebuild	2018	873,342	-	873,342	(211,182)	591,116	650,951	-	-	-	58,243	(29,618)	(242,392) *	630,951	
S.071	SWE	IPC 138 KV Capacitor Bank Addition	2018	208,883	-	208,883	9,529	79,688	87,754	-	-	-	9,377	160	11,000 *	219,883	
S.072	SWE	Ellerbe Road - Lucas 69 kV Rebuild	2019	998,426	-	998,426	-	-	-	-	-	-	-	-	-	998,426	
S.073	SWE	Siloam Springs - Siloam Springs City 161 kV Rebuild	2019	484,093	-	484,093	-	-	-	-	-	-	-	-	-	484,093	
S.074	SWE	Figure Five - VBI North 69 kV Rebuild	2019	240,164	-	240,164	-	-	-	-	-	-	-	-	-	240,164	
SWEPCO Total				79,416,495	-	79,416,495	(12,815,702)	94,682,689	104,266,784	-	-	-	7,637,241	(2,447,968)	(17,210,525)	\$ 62,205,970	

\*<\$100K investment,

**AEP West Member Operating Companies**  
**Network Load for January Through December 2019**  
**Based on West Zone-SPP Monthly Transmission System Firm Peak Demands for the Twelve Months Ended December 31, 2019**

**Combined Load Worksheet**

Unless noted (e.g., PSO), the loads reported on lines 1 through 20 are the customer's schedule 9 and 11 load.

Line No.	Peak Day Peak Hour	January 01/24/19 800	February 02/08/19 800	March 03/05/19 800	April 04/10/19 1700	May 05/23/19 1700	June 06/21/19 1700	July 07/17/19 1700	August 08/12/19 1600	September 09/19/19 1600	October 10/03/19 1700	November 11/15/19 800	December 12/10/19 800	12 Month Average MW
<b>SPP Load Responsibility</b>														
1	PSO	2,561	2,792	2,805	2,574	2,970	3,724	3,923	4,089	3,731	2,928	2,394	2,546	3,086.5
2	SWEPCO	2,997	2,891	2,972	2,453	3,058	3,362	3,457	3,664	3,474	2,714	2,407	2,741	3,015.9
3	AECC	618	669	657	371	532	625	659	701	631	689	706	697	629.6
4	AECC-MISO	143	150	149	108	153	175	176	184	182	-	-	-	118.3
5	WFEC	40	40	43	27	33	39	39	43	40	33	36	38	37.6
6	OMPA	76	85	86	78	92	138	147	156	140	118	75	76	105.6
7	OG&E ATOKA COALGATE	5	5	5	-	2	-	9	9	9	2	8	5	4.9
8	OG&E LINN	24	22	23	23	26	26	24	26	23	24	20	23	23.7
9	OG&E - TALL BEAR	14	10	12	13	13	14	13	12	13	13	14	15	13.0
10	ETEC	988	951	1,055	514	701	822	868	933	890	677	905	879	848.6
11	GREENBELT	7	8	6	5	4	7	17	17	13	7	7	7	8.8
12	LIGHTHOUSE	1	4	1	3	3	2	6	4	3	2	3	2	2.8
13	BENTONVILLE, AR	108	116	115	96	127	143	153	162	145	121	93	105	123.6
14	PRESCOTT, AR (ENTERGY)	11	9	12	10	13	12	14	16	13	13	11	11	12.1
15	MINDEN, LA (ENTERGY)	22	20	21	21	30	32	33	36	34	26	18	21	26.2
16	HOPE, AR	43	42	42	39	49	52	53	53	49	46	36	38	45.2
17	COFFEYVILLE, KS	104	103	105	104	106	100	117	116	113	110	102	102	106.8
18	SWEPCO - VALLEY	157	138	153	85	115	119	136	141	137	-	-	-	98.4
19	AECI	38	43	45	22	31	44	47	50	45	35	35	36	39.3
20	<b>System Firm Peak Demands</b>	<b>7957</b>	<b>8098</b>	<b>8307</b>	<b>6546</b>	<b>8058</b>	<b>9436</b>	<b>9891</b>	<b>10412</b>	<b>9685</b>	<b>7559</b>	<b>6872</b>	<b>7342</b>	8346.929 Sched - 9 12CP
<b>Supporting Data</b>														
21	PSO: PSO Native Load (a)	2,574	2,805	2,817	2,588	2,987	3,735	3,937	4,102	3,742	2,928	2,394	2,546	
22	KAMO													
23														
24														
25	100% PSO E&W included in PSO native load	(7)	(7)	(7)	(6)	(7)	(6)	(7)	(7)	(7)	-	-	-	
26	Allen Holdenville	(6)	(6)	(5)	(8)	(10)	(5)	(7)	(6)	(4)	-	-	-	
27	<b>PSO OATT Load Responsibility</b>	<b>2561</b>	<b>2792</b>	<b>2805</b>	<b>2574</b>	<b>2970</b>	<b>3724</b>	<b>3923</b>	<b>4089</b>	<b>3731</b>	<b>2928</b>	<b>2394</b>	<b>2546</b>	3086.465
28	<b>SWEPCO:</b>													
29	SWEPCO Native Load	3,135	3,015	3,133	2,443	3,108	3,431	3,545	3,767	3,578	2,714	2,407	2,741	
30	Eastman Load added October 2018	157	157	152	149	152	155	150	148	143	-	-	-	
31	VALLEY	(157)	(138)	(153)	(85)	(115)	(119)	(136)	(141)	(137)	-	-	-	
32	Rayburn	(138)	(143)	(160)	(54)	(87)	(105)	(102)	(110)	(110)	(86)	(122)	(148)	
33	<b>SWEPCO OATT Load Responsibility</b>	<b>2997</b>	<b>2891</b>	<b>2972</b>	<b>2453</b>	<b>3058</b>	<b>3362</b>	<b>3457</b>	<b>3664</b>	<b>3474</b>	<b>2628</b>	<b>2285</b>	<b>2593</b>	2986.191
34	<b>TOTAL AEP Affiliate Schedule 11 Load</b>													pr yr Sched - 11 12CP
														<b>8347</b>
<b>AEP Schedule 11 Worksheet</b>														
35	PSO OATT Sched 9 load, Ln 1	2561	2792	2805	2574	2970	3724	3923	4089	3731	2928	2394	2546	3086.465
36	less GRDA load on PSO Jan-Nov(b) 2015 no longer used	0	0	0	0	0	0	0	0	0	0	0	0	0.000
37	WFEC load already subtracted from PSO schedule 9 load	0	0	0	0	0	0	0	0	0	0	0	0	0.000
38	Subtotal PSO Schedule 11 load	2561	2792	2805	2574	2970	3724	3923	4089	3731	2928	2394	2546	3086.465
39	SWEPCO Sched 11 load, Ln 2	2997	2891	2972	2453	3058	3362	3457	3664	3474	2714	2407	2741	3015.858
40	<b>TOTAL AEP Affiliate Schedule 11 Load</b>	<b>5558</b>	<b>5683</b>	<b>5777</b>	<b>5027</b>	<b>6028</b>	<b>7086</b>	<b>7380</b>	<b>7753</b>	<b>7205</b>	<b>5643</b>	<b>4801</b>	<b>5287</b>	6102.323
41	<b>TOTAL AEP ZONAL SCHEDULE 11</b>	<b>7957</b>	<b>8098</b>	<b>8307</b>	<b>6546</b>	<b>8058</b>	<b>9436</b>	<b>9891</b>	<b>10412</b>	<b>9685</b>	<b>7559</b>	<b>6872</b>	<b>7342</b>	8346.929

NOTES: [a] PSO Native load includes PSO load on GRDA  
 [b] GRDA and PSO enjoy a grandfathered load swap arrangement. Historically, both PSO load on GRDA and GRDA load on PSO were included in the PSO OATT load responsibility (Schedule 9). Beginning in Dec 2015, loads are telemetered - AEP and GRDA mutually agreed to report only their own load telemetered from the other zone for purposes of both Sch 9 & 11. Therefore, for Dec 2015 and forward, PSO will only report PSO load on GRDA for both Sch 9 & 11 reporting purposes as agreed to with GRDA. Also, for Schedule 11 purposes, in agreement w/SPP & GRDA, PSO will report the PSO load on GRDA in Schedule 11 while GRDA will report its load on PSO in its Schedule 11 values for the entire year.  
 [c] OG&E Atoka and Coalgate merged under 1 TSR (OG&E LSE) beginning with September 2018 billing. SPP required the merged loads to be reported for Jan - Dec 2018

AEP West SPP Member Operating Companies  
 Transmission Cost of Service Formula Rate  
 Utilizing Actual / Projected Cost Data for the 2020 Rate Year

**PUBLIC SERVICE COMPANY OF OKLAHOMA**

Line No.			Total	Allocator		Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(In 117)				\$91,670,125
2	REVENUE CREDITS	(Note A) (Worksheet H)	6,396,325	DA	1.00000	\$ 6,396,325
3	Network Customer Owned Facility Credits	Worksheet B				-
4	REVENUE REQUIREMENT For All Company Facilities	(In 1 less In 2 plus In 3)				\$85,273,799

**MEMO: The Carrying Charge Calculations on lines 7 to 12 below are used in calculating project revenue requirements billed through SPP Schedule 11. The total non-incentive revenue requirement for these projects shown on line 5 is included in the total on line 4.**

5	Trued-Up / Projected Revenue Requirement for SPP BPU Regional Facilities (w/o incentives) (Worksheet F/G)		7,973,839	DA	1.00000	\$ 7,973,839
6	NET PLANT CARRYING CHARGE (w/o incentives) (Note B)					
7	Annual Rate	(In 1 / In 37 x 100%)				13.95%
8	Monthly Rate	(In 7 / 12)				1.16%
9	NET PLANT CARRYING CHARGE ON LINE 7, W/O DEPRECIATION (w/o incentives) (Note B)					
10	Annual Rate	( (In 1 - In 86) / In 37 x 100%)				10.80%
11	NET PLANT CARRYING CHARGE ON LINE 9, W/O INCOME TAXES, RETURN (Note B)					
12	Annual Rate	( (In 1 - In 86 - In 111 - In 112) / In 37 x 100%)				4.39%
13	ADDITIONAL REVENUE REQUIREMENT for projects w/ incentive ROE's (Note C) (Worksheet F/G)					-

AEP West SPP Member Operating Companies  
 Transmission Cost of Service Formula Rate  
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PUBLIC SERVICE COMPANY OF OKLAHOMA

(1)	(2)	(3)	(4)	(5)
<b>RATE BASE CALCULATION</b>	<b>Data Sources (See "General Notes")</b>	<b>TO Total NOTE D</b>	<b>Allocator</b>	<b>Total Transmission</b>
Line No.				
14	GROSS PLANT IN SERVICE			
14	Production	(Worksheet A-1 In 14.B)	NA	0.00000
15	Less: Production ARO (Enter Negative)	(Worksheet A-1 In 14.C)	NA	0.00000
16	Transmission	(Worksheet A-1 In 14.D & Ln 121)	DA	858,295,809
17	Less: Transmission ARO (Enter Negative)	(Worksheet A-1 In 14.E)	TP	0.94540
18	Distribution	(Worksheet A-1 In 14.F)	NA	0.00000
19	Less: Distribution ARO (Enter Negative)	(Worksheet A-1 In 14.G)	NA	0.00000
20	General Plant	(Worksheet A-1 In 28.B)	W/S	0.08080
21	Less: General Plant ARO (Enter Negative)	(Worksheet A-1 In 28.C)	W/S	0.08080
22	Intangible Plant	(Worksheet A-1 In 28.D)	W/S	0.08080
23	TOTAL GROSS PLANT	(sum Ins 14 to 22)	GP=	0.16027
		5,518,813,630	<b>GTD=</b>	<b>0.24543</b>
24	ACCUMULATED DEPRECIATION AND AMORTIZATION			
25	Production	(Worksheet A-2 In 14.B)	NA	0.00000
26	Less: Production ARO (Enter Negative)	(Worksheet A-2 In 14.C)	NA	0.00000
27	Transmission	(Worksheet A-2 In 14.D less 29.F)	TP1=	0.91066
28	Less: Transmission ARO (Enter Negative)	(Worksheet A-2 In 14.E)	TP1=	0.91066
29	Distribution	(Worksheet A-2 In 14.F)	NA	0.00000
30	Less: Distribution ARO (Enter Negative)	(Worksheet A-2 In 14.G)	NA	0.00000
31	General Plant	(Worksheet A-2 In 28.B)	W/S	0.08080
32	Less: General Plant ARO (Enter Negative)	(Worksheet A-2 In 28.C)	W/S	0.08080
33	Intangible Plant	(Worksheet A-2 In 28.D)	W/S	0.08080
34	TOTAL ACCUMULATED DEPRECIATION	(sum Ins 25 to 33)		
		1,716,005,084		208,189,099
35	NET PLANT IN SERVICE			
36	Production	(In 14 + In 15 - In 25 - In 26)		
37	Transmission	(In 16 + In 17 - In 27 - In 28)		
38	Distribution	(In 18 + In 19 - In 29 - In 30)		
39	General Plant	(In 20 + In 21 - In 31 - In 32)		
40	Intangible Plant	(In 22 - In 33)		
41	TOTAL NET PLANT IN SERVICE	(sum Ins 36 to 40)	NP=	0.17784
		3,802,808,546		676,286,158
42	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note E)		
43	Account No. 281.1 (enter negative)	272-273.8.k	NA	-
44	Account No. 282.1 (enter negative)	(Worksheet C, In 4 C & In 8 J)	DA	(164,474,027)
45	Account No. 283.1 (enter negative)	(Worksheet C, In 12 C & In 14 J)	DA	(26,314,725)
46	Account No. 190.1	(Worksheet C, In 18 C & In 22 J)	DA	5,417,908
47	Account No. 255 (enter negative)	(Worksheet C, In 26 C & In 28 J)	DA	286
48	TOTAL ADJUSTMENTS	(sum Ins 43 to 47)		(185,370,558)
49	PLANT HELD FOR FUTURE USE	(Worksheet A-1 In 30.F)	DA	302,647
50	REGULATORY ASSETS	(Worksheet S In 10 cols. G and J) (Note W)	DA	-
51	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE U)	(Worksheet R, In 6 F)	W/S	0.08080
		(149,509)		(12,081)
52	WORKING CAPITAL	(Note F)		
53	Cash Working Capital	(1/8 * (In 70 - Ln 69)) (Note G)		2,012,234
54	Transmission Materials & Supplies	(Worksheet D, pg 1 In 1 E)	TP	0.94540
55	A&G Materials & Supplies	(Worksheet D, pg 1 In 2 E)	W/S	0.08080
56	Stores Expense	(Worksheet D, pg 1 In 3 E)	GP	0.16027
57	Prepayments (Account 165) - Labor Allocated	(Worksheet D, pg 1 In 29 G)	W/S	0.08080
58	Prepayments (Account 165) - Gross Plant	(Worksheet D, pg 1 In 29 F)	GP	0.16027
59	Prepayments (Account 165) - Transmission Only	(Worksheet D, pg 1 In 29 E)	DA	1.00000
60	Prepayments (Account 165) - Unallocable	(Worksheet D, pg 1 In 29 D)	NA	0.00000
61	TOTAL WORKING CAPITAL	(sum Ins 53 to 60)		
		16,308,005		11,844,916
62	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note H) (Worksheet E, In 8 B)	DA	1.00000
		(1,050,066)		(1,050,066)
63	RATE BASE (sum Ins 41, 48, 49, 50, 51, 61, 62)			
		2,699,440,904		502,001,016



AEP West SPP Member Operating Companies  
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PUBLIC SERVICE COMPANY OF OKLAHOMA

Line No.	(1) EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION	(2) Data Sources (See "General Notes")	(3) TO Total	(4) Allocator	(5) Total Transmission
64	OPERATION & MAINTENANCE EXPENSE				
64	Transmission	321.112.b	157,588,045		
65	Less: Total Account 561	(Note I) 321.84-92.b	14,211,878		
66	Less: Account 565	(Note J) 321.96.b	126,334,887		
67	Less: Regulatory Amortizations / (Deferrals)	Worksheet S In 2 (Note V)	757,202		
68	Plus: Includable 561 and 565 Expenses	Worksheet I In 10	\$0		
69	Plus: Approved Regulatory Amortizations / (Deferrals)	Worksheet S In 4 (Note V)	743,464		
70	Total O&M Allocable to Transmission	(Ins 64 - 65 - 66 - 67 + 68 + 69)	17,027,542	TP	0.94540
71	Administrative and General	323.197.b (Note K, M)	52,950,824		
72	Less: Acct. 924, Property Insurance	323.185.b	1,248,599		
73	Acct. 928, Reg. Com. Exp.	323.189.b	2,515,156		
74	Acct. 930.1, Gen. Advert. Exp.	323.191.b	226,133		
75	Acct. 930.2, Misc. Gen. Exp.	323.192.b	3,917,029		
76	Regulatory Asset Amortizations / (Deferrals)	Worksheet S In 6 (Note V)	489,915		
77	Balance of A & G	(In 71 - sum In 72 to In 76)	44,553,992	W/S	0.08080
78	Plus: Acct. 924, Property Insurance	(In 72)	1,248,599	GP	0.16027
79	Acct. 928 - Transmission Specific	Worksheet J In 7.(E) (Note L)	-	TP	0.94540
80	Acct 930.1 - Only safety related ads -Direct	Worksheet J In 12.(E) (Note L)	-	GP	0.16027
81	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet J In 16.(E) (Note L)	352,533	DA	1.00000
82	Approved A&G Reg. Asset Amort. / (Deferrals)	Worksheet S In 8 (Note V)	489,915	W/S	0.08080
83	A & G Subtotal	(sum Ins 77 to 82)	46,645,038		
84	TOTAL O & M EXPENSE	(In 70 + In 83)	63,672,580		20,290,137
85	DEPRECIATION AND AMORTIZATION EXPENSE				
86	Transmission	336.7.b	21,869,904	TP	0.94540
87	General	336.10.b	5,667,444	W/S	0.08080
88	Intangible	336.1.d	13,987,104	W/S	0.08080
89	TOTAL DEPRECIATION AND AMORTIZATION	(sum Ins 86 to 88)	41,524,452		22,263,975
90	TAXES OTHER THAN INCOME	(Note N)			
91	Labor Related				
92	Payroll	Worksheet L, Col. D	5,817,421	W/S	0.08080
93	Plant Related				
94	Property	Worksheet L, Col. C	40,340,500	GP	0.16027
95	Non-Allocable Taxes	Worksheet L, Col. F	12,000	NA	0.00000
96	Other	Worksheet L, Col. E	208,000	GP	0.16027
97	TOTAL OTHER TAXES	(sum Ins 92 to 96)	46,377,921		6,968,582
98	INCOME TAXES	(Note O)			
99	$T=1 - \frac{((1 - SIT) * (1 - FIT))}{(1 - SIT * FIT * p)}$		25.34%		
100	$EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =$		24.12%		
101	where WCLTD=(In 141) and WACC = (In 144)				
102	and FIT, SIT & p are as given in Note O.				
103	$GRCF=1 / (1 - T) =$ (from In 99)		1.3394		
104	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, In 19.c)	(1,537,076)		
105	Excess / (Deficit) Deferred Income Tax	Company Records (Note O) and WS C-4 Ln 24	(27,437,436)	DA	(3,127,889)
106	Tax Effect of Permanent and Flow Through Differences	Company Records (Note O)	707,316	DA	47,683
107	Income Tax Prior to Adjustments	(In 100 * In 112)	48,703,733		9,057,180
108	ITC adjustment	(In 103 * In 104)	(2,058,688)	GP	(329,937)
109	Excess / (Deficit) Deferred Income Tax	(In 103 * In 105)	(36,748,420)	DA	(4,189,349)
110	Tax Effect of Permanent and Flow Through Differences	(In 103 * In 106)	947,346	DA	63,864
111	TOTAL INCOME TAXES	(sum Ins 107 to 110)	10,843,971		4,601,759
112	RETURN ON RATE BASE (Rate Base*WACC)	(In 63 * In 144)	201,896,649		37,545,672
113	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note E) (Worksheet E, In 2)		-	DA	1.00000
114	REVENUE REQUIREMENT BEFORE TEXAS GROSS MARGIN TAX		364,315,573		91,670,125
115	(sum Ins 84, 89, 97, 111, 112, 113)				
116	TEXAS GROSS MARGIN TAX (Note P) (Worksheet K)		-	DA	-
117	REVENUE REQUIREMENT INCL GROSS MARGIN TAX	(In 114 + 116)	364,315,573		91,670,125

AEP West SPP Member Operating Companies  
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**SUPPORTING CALCULATIONS**

In										
No.	TRANSMISSION PLANT INCLUDED IN SPP TARIFF (Note W)									
118	Total transmission plant	(In 16)								907,863,136
119	Less transmission plant excluded from SPP Tariff (Worksheet A-1, In 28 Col. (F)) (Note Q)									49,567,327
120	Less transmission plant included in OATT Ancillary Services (Worksheet A-1, In 28, Col. (E)) (Note R)									-
121	Transmission plant included in SPP Tariff	(In 118 - In 119 - In 120)								858,295,809
122	Percent of transmission plant in SPP Tariff	(In 121 / In 118)							<b>TP=</b>	<b>0.94540</b>
123	WAGES & SALARY ALLOCATOR (W/S)	(Note S)								
124	Production	354.20.b	Direct Payroll	Payroll Billed from	Total					
125	Transmission	354.21.b	28,711,327	AEP Service Corp.	41,174,660	NA	0.00000			-
126	Regional Market Expenses	354.22.b	3,816,825		7,091,393	TP	0.94540			6,704,219
127	Distribution	354.23.b	-		-	NA	0.00000			-
128	Other (Excludes A&G)	354.24,25,26.b	21,448,924		23,610,081	NA	0.00000			-
129	Total	(sum Ins 124 to 128)	5,109,356	5,985,825	11,095,181	NA	0.00000			-
130	Transmission related amount		59,086,432	23,884,883	82,971,315				<b>W/S=</b>	<b>0.08080</b>
131	WEIGHTED AVERAGE COST OF CAPITAL (WACC) (Note T, Note X)									\$
132	Long Term Interest	Long Term Interest (Worksheet M, In. 37, col. (d))								60,658,228
133	Preferred Dividends	Preferred Stock Dividends (Worksheet M, In. 57, col. (d))								-
134	Development of Common Stock:								<u>Average</u>	
135	Proprietary Capital	(Worksheet M, In. 14, col. (b))								1,420,992,485
136	Less Preferred Stock (In 142)	(Worksheet M, In. 14, col. (c))								-
137	Less Account 216.1	(Worksheet M, In. 14, col. (d))								-
138	Less Account 219	(Worksheet M, In. 14, col. (e))								738,631
139	Common Stock	(In 135 - In 136 - In 137 - In 138)								1,420,253,854
140			<u>Capital Structure</u>							
			<u>Percentage</u>							
						Cost		Weighted		
						(Note T)				
141	Avg Long Term Debt (Worksheet M, In. 28, col. (g))	Rate Year Average Balances	1,384,655,967		49.37%	4.38%		0.0216		
142	Avg Preferred Stock (Worksheet M, In. 14, col. (c))		-		0.00%	0.00%		0.0000		
143	Avg Common Stock (In 139)		1,420,253,854		50.63%	10.50%		0.0532		
144	Total (sum Ins 141 to 143)		2,804,909,821					<b>WACC=</b>		<b>0.0748</b>

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PUBLIC SERVICE COMPANY OF OKLAHOMA

Notes

Letter

General Note: True Up References to data from FERC Form 1 are indicated as: page#.line#.col.#. Rate Year Projections from Company forecasts.

- A The revenue credits shall include a) amounts received directly from the SPP for PTP transmission services, b) direct assignment charges for transmission facilities, the cost of which has been included in the TCOS, and c) amounts from customers taking service under grandfathered agreements, where the demand is not included in the rate divisor. Revenues associated with FERC annual charges, gross receipts taxes, ancillary services or facilities excluded from the TCOS are not included as revenue credits. Revenue from Transmission Customers whose coincident peak loads are included in the DIVISOR of the load-ratio share calculation are not included as revenue credits. See Worksheet H for details.
- B The annual and monthly net plant carrying charges on page 1 are used to compute the revenue requirement for facilities and any upgrades.
- C This additional revenue requirement is determined using a net plant carrying charge (fixed carrying charge or FCR) approach. Worksheet G shows the calculation of the true-up revenue requirement for each project, based on an FCR rate calculated from inputs on this TCOS. Line 13 shows the incremental ARR for projects receiving incentives as accepted by FERC. These individual additional revenue requirements are summed for the true-up year, and included here.
- D The gross plant, accumulated depreciation, and deferred tax balances included in rate base and depreciation expense are reduced by the removal of amounts related to Asset Retirement Obligations (AROs). This is to comply with the requirements of FERC Rulemaking RM02-7-000.
- E The total-company balances shown for Accounts 281, 282, 283, 190 only reflect ADIT that relates to utility operations. The balance of Account 255 is reduced by prior flow throughs and is completely excluded if the utility chose to utilize amortization of tax credits against FIT expense as discussed in Note N. An exception to this is pre-1971 ITC balances, which are required to be taken as an offset to rate base. Account 281 is not allocated to transmission. Transmission allocations are shown on Worksheet C.
- F Identified as being transmission related or functionally booked to transmission.
- G Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission on line 70.
- H Consistent with Paragraph 657 of Order 2003-A, the amount on line is equal to the balance of IPP System Upgrade Credits owed to transmission customers that made contributions toward the construction of System upgrades, and includes accrued interest and unreturned balance of contributions. The annual interest expense is included on line 113.
- I Line 65 Removes the expense booked to transmission accounts included in the development of OATT ancillary services rates, including all of Account No. 561.
- J Removes cost of transmission service provided by others to the extent such service is not incurred to provide the SPP service at issue.
- K General Plant and Administrative & General expenses may be functionalized based on allocators other than the W/S allocator. Full documentation must be provided.
- L Expense reported for these A&G accounts will be included in the cost of service only to the extent they are directly assignable or allocable to transmission service. Worksheet J allocates these expense items. Acct 928 Includes Regulatory Commission expenses itemized in FERC Form-1 at page 351, column H. FERC Assessment Fees and Annual Charges shall not be allocated to transmission. Only safety-related and educational advertising costs in Account 930.1 are included in the TCOS. Account 930.2 includes the expenses incurred by the transmission function for Associated Business Development revenues given as a credit to the TCOS on Worksheet H.
- M Recoverable PBOP expense is based on actual annual PBOP costs, including charges from the AEP Service Corporation. The PBOP amounts are included in the Administrative and General total, and are based on current year expenses. The annual actuarial valuation report supporting the derivation of the PBOP expense, along with an explanation of PBOP derivation process, is submitted during the formula rate annual update.
- N Includes only FICA, unemployment, property and other assessments charged in the current year. Gross Receipts tax, Sales & Use taxes, local franchise taxes, and taxes related to income are excluded.
- O The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = "the percentage of federal income tax deductible for state income taxes". If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) (In 99) multiplied by (1/1-T). If the applicable tax rates are zero enter 0.
- |                  |       |   |
|------------------|-------|---|
| Inputs Required: | FIT = | 21.00%  |
|                  | SIT = | 5.49% (State Income Tax Rate or Composite SIT. Worksheet K)         |
|                  | p =   | 0.00% (percent of federal income tax deductible for state purposes) |
- Excess / (Deficit) Deferred Income Taxes will be amortized over the average remaining life of the assets to which it relates, unless the Commission requires a different amortization period. Recovery of permanent and flow through differences is limited to only the transmission functional portion of the tax difference related to capitalized AFUDC Equity.
- P The Texas Gross Margin tax is calculated on the Texas allocated revenue of the Company, reduced by cost of goods sold deduction to derive a "Gross Margin" for the Company. The tax rate of one percent is assessed on the resulting amount. The jurisdictional allocator is based on transmission demand allocators.
- Q Removes plant excluded from the OATT because it does not meet the SPP's definition of Transmission Facilities or is otherwise ineligible to be recovered under the OATT.
- R Removes transmission plant (e.g. step-up transformers) included in the development of OATT ancillary service rates and not already removed for reasons indicated in Note Q.
- S Includes functional wages & salaries incurred by parent company service corporation for support of the operating company.
- T Long Term Debt cost rate = Long-Term Interest (In 132) / Long Term Debt (In 141). Preferred Stock cost rate = preferred dividends (In 133) / preferred outstanding (In 142). Common Stock cost rate (ROE) = 10.5%, the rate accepted by FERC pursuant to the settlement filed in Docket Nos. EL17-76 / EL18-199. It includes an additional 50 basis points for remaining a member of the SPP RTO.
- The amount of eligible hedging gains or losses included in total interest expense is limited to five basis points of the capital structure. Details and calculations of the weighted average cost of capital are shown on Worksheet M. Eligible Hedging Gains and Losses are computed on Worksheet M. The unamortized balance of eligible hedge gains/losses and related ADIT amounts shall not flow through the formula rate.
- U The cost of service will make a rate base adjustment to remove unfunded reserves associated with contingent liabilities recorded to Accounts 228.1-228.4 from rate base.
- V O&M and A&G shall be adjusted to remove all regulatory asset deferrals and amortizations that have not been approved by FERC for inclusion in cost of service, and then to add back in FERC approved amortizations and deferrals. Negative amounts in O&M or A&G represent deferrals. See Worksheet S.
- W If the company submits a Section 205 filing proposing to make adjustments to this formula rate cost of service template to remove assets and costs related to transmission facilities constructed and operated specifically for the purpose of delivering the output of generation facilities, including generation tie-lines, which do not qualify under the SPP OATT for inclusion in transmission cost of service, challenges to such filing(s) shall be limited to the justness and reasonableness of such proposal.
- X If the company submits a Section 205 filing proposing to make adjustments to this formula rate cost of service template to remove from the cost of capital the debt and related interest costs incurred in connection with financing specifically dedicated to non-transmission-related assets, such as securitization financing, challenges to such filing(s) shall be limited to the justness and reasonableness of such proposal's impacts on the Company's cost of capital.

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet A-1 - Detailed Plant Balances**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

		Gross Plant In Service - Production					
Line No	Month (a)	Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)
		FF1, page 205 Col.(g) & pg. 204 Col. (b), In 46	FF1, page 205&204, Col.(g)&(b), Ins 15,24,34,44	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 58	Acct. 359.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), In 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 75	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 74
1	December Prior to Rate Year	1,549,876,887	27,254,988	896,000,002	-	2,730,719,639	-
2	January	1,549,671,266	27,226,202	894,243,207	-	2,742,633,804	-
3	February	1,549,570,405	27,198,695	894,131,632	-	2,752,587,074	-
4	March	1,550,108,065	27,172,409	894,732,255	-	2,762,626,038	-
5	April	1,551,162,398	27,147,292	897,856,501	-	2,771,427,905	-
6	May	1,552,171,284	27,123,289	909,881,201	-	2,785,262,437	-
7	June	1,552,697,125	27,100,352	911,732,566	-	2,794,288,118	-
8	July	1,553,060,002	27,078,434	912,866,609	-	2,803,225,917	-
9	August	1,553,501,304	27,057,488	913,127,126	-	2,811,023,536	-
10	September	1,451,239,143	21,205,913	914,081,655	-	2,818,827,930	-
11	October	1,452,234,992	21,186,784	914,785,028	-	2,826,557,587	-
12	November	1,453,258,156	21,168,505	915,620,881	-	2,834,304,257	-
13	December of Rate Year	1,455,773,616	21,151,035	933,162,111	-	2,851,664,809	-
14	13 Month Average	1,521,101,896	25,313,183	907,863,136	-	2,791,165,312	-

(455,072)

		Gross Plant In Service - Distribution, General and Intangible, GSU, Excluded Plant				
Line No	Month (a)	General (b)	General ARO (c)	Intangible (d)	OATT Ancillary Services (GSU) (e)	Excluded Plant (f)
		FF1, page 207 Col.(g) & pg. 206 Col. (b), In 99	Acct. 399.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), In 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 5	Company Records	Company Records
15	December Prior to Rate Year	173,876,390	572,169	125,416,291	-	49,567,327
16	January	173,547,654	572,169	140,650,670	-	49,567,327
17	February	173,035,076	572,169	143,432,050	-	49,567,327
18	March	172,338,380	572,169	147,011,566	-	49,567,327
19	April	171,640,606	572,169	148,987,319	-	49,567,327
20	May	170,944,223	572,169	151,006,651	-	49,567,327
21	June	170,251,444	572,169	151,780,076	-	49,567,327
22	July	169,559,718	572,169	154,068,441	-	49,567,327
23	August	168,872,779	572,169	156,337,707	-	49,567,327
24	September	168,184,973	572,169	158,005,235	-	49,567,327
25	October	167,494,217	572,169	160,807,885	-	49,567,327
26	November	166,801,813	572,169	164,173,025	-	49,567,327
27	December of Rate Year	204,643,615	572,169	166,524,503	-	49,567,327
28	13 Month Average	173,168,530	572,169	151,400,109	-	49,567,327

**Transmission Functional Plant Held For Future Use (Notes A and B)**

Line No	Asset Description (a)	Definite Plan for Future Use (b)	Estimated in Service Year (c)	2020 Rate Year Beginning balance (d)	2020 Rate Year Ending balance (e)	2020 Rate Year Average (f)
29A	Plant Held For Future Use			302,647	302,647	302,647
29B	Transmission Plant Held for Future			-	-	-
29C						
30	Total			302,647	302,647	302,647

**Notes:**

- (A) Per the general instruction for Account No. 105 in 18 CFR Part 101.
- (B) Include only the Transmission functional component of amounts reported page 214 of the FERC Form 1.

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet A-2 - Detailed Accumulated Depreciation Balances**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

Accumulated Depreciation - Production							
Line No	Month (a)	Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)
		FF1, page 219, Ins 20-24, Col. (b)	Company Records (Included in total in Column (b))	FF1, page 219, In 25, Col. (b)	Company Records (Included in total in Column (b))	FF1, page 219, In 26, Col. (b)	Company Records (Included in total in Column (b))
1	December Prior to Rate Year	762,448,930	9,950,950	218,313,436	-	651,208,480	-
2	January	765,303,167	9,988,371	217,869,713	-	653,778,190	-
3	February	768,035,489	10,027,017	218,407,626	-	656,379,535	-
4	March	770,595,047	10,066,832	218,944,930	-	659,007,368	-
5	April	773,212,799	10,107,764	219,482,567	-	661,659,394	-
6	May	775,975,799	10,149,765	220,024,229	-	664,334,886	-
7	June	778,736,448	10,192,785	220,582,676	-	667,108,054	-
8	July	781,547,444	10,236,684	221,143,325	-	669,905,276	-
9	August	784,398,184	10,281,515	221,705,148	-	672,726,319	-
10	September	684,153,516	4,495,679	222,266,892	-	675,568,191	-
11	October	686,493,632	4,532,270	222,829,550	-	678,425,348	-
12	November	689,119,439	4,569,675	223,392,764	-	681,303,160	-
13	December of Rate Year	691,898,131	4,607,856	223,956,724	-	683,652,257	-
14	13 Month Average	747,070,617	8,400,551	220,686,121	-	667,312,035	-
				687,177,015			

Accumulated Depreciation- Distribution, General and Intangible, GSU, Excluded Plant						
Line No	Month (a)	General (b)	General ARO (c)	Intangible (d)	OATT Ancillary Services (GSU) (e)	Excluded Plant (f)
		FF1, page 219, In 28, Col. (b)	Company Records (Included in total in Column (d))	FF1, page 200, In 21, Col. (b)	Company Records	Company Records
15	December Prior to Rate Year	38,641,539	436,103	49,432,794	-	19,715,588
16	January	38,063,665	436,103	50,421,206	-	19,715,588
17	February	37,484,805	436,103	51,503,904	-	19,715,588
18	March	36,904,325	436,103	51,956,479	-	19,715,588
19	April	36,321,595	436,103	53,092,601	-	19,715,588
20	May	35,736,615	436,103	54,245,056	-	19,715,588
21	June	35,149,388	436,103	54,048,298	-	19,715,588
22	July	34,559,925	436,103	55,225,512	-	19,715,588
23	August	33,968,229	436,103	56,421,797	-	19,715,588
24	September	33,374,315	436,103	57,055,001	-	19,715,588
25	October	32,778,180	436,103	58,284,649	-	19,715,588
26	November	32,179,816	436,103	59,537,652	-	19,715,588
27	December of Rate Year	31,579,218	436,103	59,081,971	-	19,715,588
28	13 Month Average	35,133,970	436,103	54,638,994	-	19,715,588

29 Transmission Accumulated, net of GSU and Excluded- Ln 14 Col (d) less Ln 28 Cols. (e) & (f) \$200,970,534

AEP West SPP Member Operating Companies  
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**Worksheet B - Third Party Facility Credits**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

Line No.	Source	Amount
1	Facility Credits under the SPP OATT	-

Note: Under Section 30.9 of the SPP OATT, a network customer that owns existing transmission facilities that are integrated with the Transmission Provider's Transmission System may be eligible to receive consideration either through a billing credit or some other mechanism. Calculation of any credit under this subsection, pursuant to approval by FERC for inclusion in this formula rate for collection on behalf of the network customer, shall be addressed in either the Network Customer's Service Agreement or any other agreement between the parties.

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet C - ADIT and ADITC Balances**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

Line No.	(A) Acc. No.	(B) Description	(C) YE Balance	(E) Exclusions *	(F) 100% Transmission Related	(G) PTD Plant Related	(H) Transmission & Distribution Plant Related	(I) Labor Related	(J) Total Included in Rate base (E)+(F)+(G)+(H)
<b>Note: Account 281 is not allocated to Transmission</b>									
<b>Account 282 - Form-1 page 274.2.b and 275.2.k</b>									
1	282.1	2020 Year End Tax Deferrals - WS C-1	(982,638,697)	(309,452,871)	(67,378,532)	(592,059,415)	-	(13,747,878)	
2	282.1	2019 Year End Tax Deferrals - WS C-2	(975,243,099)	(302,390,787)	(71,564,111)	(587,628,390)	-	(13,659,811)	
3		<b>Subtotal</b>	(1,957,881,796)	(611,843,658)	(138,942,643)	(1,179,687,805)	-	(27,407,689)	
4		<b>Average Balance before Proration</b>	(978,940,898)	(305,921,829)	(69,471,321)	(589,843,903)	0	(13,703,845)	
5		<b>Proration Adjustment - WS C-3, Ln 19</b>				3,969,646			
6		<b>Prorated Average balance</b>	(978,940,898)	(305,921,829)	(69,471,321)	(585,874,257)	0	(13,703,845)	
7		<b>Transmission Allocator from TCOS</b>		0.0000%	100.0000%	16.0265%	24.5433%	8.0802%	
8		<b>Allocated Total</b>		0	(69,471,321)	(93,895,413)	0	(1,107,293)	<b>(164,474,027)</b>
<b>Account 283 - Form-1 page 276.9.b and 277.9.k</b>									
9	283.1	2020 Year End Tax Deferrals - WS C-1	(231,287,929)	(35,540,236)	3,267,441	(180,186,086)	0	(18,829,048)	
10	283.1	2019 Year End Tax Deferrals - WS C-2	(231,287,929)	(37,173,956)	4,901,161	(180,186,086)	0	(18,829,048)	
11		<b>Subtotal</b>	(462,575,857)	(72,714,191)	8,168,602	(360,372,172)	0	(37,658,096)	
12		<b>Average Balance</b>	(231,287,929)	(36,357,096)	4,084,301	(180,186,086)	0	(18,829,048)	
13		<b>Transmission Allocator from TCOS</b>		0.0000%	100.0000%	16.0265%	24.5433%	8.0802%	
14		<b>Allocated Total</b>		0	4,084,301	(28,877,608)	0	(1,521,418)	<b>(26,314,725)</b>
<b>Account 190 - Form-1 page 234, Ln 8, Col. (b) &amp; (c)</b>									
15	190.1	2020 Year End Tax Deferrals - WS C-1	92,780,919	56,964,446	-	32,690,400	-	3,126,074	
16	190.1	2019 Year End Tax Deferrals - WS C-2	90,113,870	55,279,651	-	31,831,094	-	3,003,124	
17		<b>Subtotal</b>	182,894,789	112,244,097	-	64,521,494	-	6,129,198	
18		<b>Average Balance before Proration</b>	91,447,395	56,122,049	0	32,260,747	0	3,064,599	
19		<b>Proration Adjustment - WS C-3, Ln 38</b>			0				
20		<b>Prorated Average balance</b>	91,447,395	56,122,049	0	32,260,747	0	3,064,599	
21		<b>Transmission Allocator from TCOS</b>		0.0000%	100.0000%	16.0265%	24.5433%	8.0802%	
22		<b>Allocated Total</b>		0	0	5,170,284	0	247,625	<b>5,417,908</b>
<b>Account 255 - Form-1 page 266-267</b>									
						<u>Pre 1971 ITC</u>			
						<u>Includable in Rate</u>			
						<u>Base</u>			
23	255.0	Acc Defrd ITC - Federal - 12/31/2020 (FF1 p. 267, Ln 2.h)	1,860.00			-			
24	255.0	Acc Defrd ITC - Federal - 12/31/2019 (FF1 p. 266, Ln 2.b)	3,565.00			3,565			
25		<b>Subtotal</b>	5,425			3,565			
26		<b>Average Balance</b>	2,713			1,783			
27		<b>Transmission Allocator from TCOS</b>				16.0265%			
28		<b>Allocated Total</b>		N/A	N/A	286	N/A	N/A	<b>286</b>

\* Exclusions: Non-utility, fuel supply, off-system sales and other items as specified related to costs not included in rates.

AEP West SPP Member Operating Companies  
PUBLIC SERVICE COMPANY OF OKLAHOMA  
**WORKSHEET C-1 - END OF YEAR DETAIL OF DEFERRED INCOME TAX BALANCES  
AS OF DECEMBER 31, 2020**

Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			Labor
						100% Transmission	PTD Plant	T&D	
2821001	210E	LIBERALIZED DEPR-ELIG DFL	(111,671,196)	PTD			(111,671,196)		
2821001	230A	ACRS BENEFIT NORMALIZED	(314,214,935)	PTD			(314,214,935)		
2821001	230G	ACRS-ACCURED BK REMOVAL COSTS	(10,168,603)	PTD			(10,168,603)		
2821001	230I	CAPD INTEREST-SECTION 481(a)-CHANGE IN METHD	(754,634)	PTD			(754,634)		
2821001	230J	RELOCATION CST-SECTION 481(a)-CHANGE IN METHD	55,575	PTD			55,575		
2821001	230X	R & D DEDUCTION - SEC 174	(2,232,364)	PTD			(2,232,364)		
2821001	280H	BK PLANT IN SERVICE - SFAS 143 - ARO	(3,451,524)	E	(3,451,524)				
2821001	295A	GAIN/LOSS ON ACRS/MACRS PROPERTY	(1,011,827)	PTD			(1,011,827)		
2821001	295C	GAIN/LOSS-ACRS/MACRS-BK/TX UNIT PROP	1,877,226	PTD			1,877,226		
2821001	295D	TAX LOSS ON PLANT RETIREMENTS / SALE	(1,730,874)	E	(1,730,874)				
2821001	320A	ABFUDC	(6,589,091)	PTD			(6,589,091)		
2821001	380J	INT EXP CAPITALIZED FOR TAX	12,039,631	PTD			12,039,631		
2821001	390A	CIAC - BOOK RECEIPTS	12,582,383	E	12,582,383				
2821001	510H	PROPERTY TAX-NEW METHOD-BOOK	(40,006)	PTD			(40,006)		
2821001	532A	PERCENT REPAIR ALLOWANCE	(13,616,609)	PTD			(13,616,609)		
2821001	532C	BOOK/TAX UNIT OF PROPERTY ADJ	(51,540,946)	PTD			(51,540,946)		
2821001	532D	BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	(27,589,367)	PTD			(27,589,367)		
2821001	533J	TX ACCEL AMORT - CAPITALIZED SOFTWARE	(1,287,973)	E	(1,287,973)				
2821001	534A	CAPITALIZED RELOCATION COSTS	(13,524,932)	PTD			(13,524,932)		
2821001	630R	ACCRD ENERGY CONSERV EXPEND	(106,803)	PTD			(106,803)		
2821001	651A	IMPAIRED ASSETS RES-FAS 121-BK	3,241,027	E	3,241,027				
2821001	710H	AMORT ELEC PLT ACQ ADJS	30,622	E	30,622				
2821001	710T	AMORT CHELSEA MUN AUTH-TX	19,092	E	19,092				
2821001	710U	CHELSEA ACQUISITON ADJ-25 YR TX	80,503	E	80,503				
2821001	710V	PLANT ACQUISITION ADJ-CSIAP-TX	90,473	E	90,473				
2821001	711N	CAPITALIZED SOFTWARE COSTS-TAX	2,229	Labor					2,229
2821001	711O	BOOK LEASES CAPITALIZED FOR TAX	(192,688)	PTD			(192,688)		
2821001	712K	CAPITALIZED SOFTWARE COST-BOOK	(13,807,315)	Labor					(13,807,315)
2821001	908B	BOOK OPERATING LEASE - ASSET	7,456,100	PTD			7,456,100		
2821001	910K	REMOVAL CST	(71,723,365)	PTD			(71,723,365)		
2821001	910N	ACCURED BK REMOVAL COST - ACRS	8,692,057	PTD			8,692,057		
2821001	930A	BOOK > TAX BASIS-PRTSHP INVEST	(1,764,153)	E	(1,764,153)				
2821001	930J	PROV FOR WRITEDOWN OF INVEST	386,635	E	386,635				
2821001	940I	1985-1987 IRS AUDIT SETTLEMENT	(81,039)	PTD			(81,039)		
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED	0	WS C-4					
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-OK	0	WS C-4					
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-OK.	(296,279,168)	WS C-4	(236,017,322)	(60,261,846)			
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-OK	0	WS C-4					
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-OK.	(90,617,028)	WS C-4	(83,126,153)	(7,490,876)			
2821001		Forecast Adjustment	4,804,190		1,494,392	374,190	2,878,400		57,208
282.1		<b>TOTAL ELECTRIC ACCOUNT SUBTOTAL</b>	<b>(982,638,697)</b>		<b>(309,452,871)</b>	<b>(67,378,532)</b>	<b>(592,059,415)</b>	<b>0</b>	<b>(13,747,878)</b>
		(absolute value Total Company Amount Ties to FF1 p.275(k) -- Acct 282 Electric)							
2831001	014A-DSITC	ADSITC STATE C/F-DEF STATE TAX ASSET-L/T	(4,125,010)	E	(4,125,010)				
2831001	014C-DSIT	NOL-STATE C/F-DEF STATE TAX ASSET-L/T	(3,840,383)	E	(3,840,383)				
2831001	014W-DSIT	STATE CREDIT C/F-VALUATION ALLOWANCE	65,625	E	65,625				
2831001	433B	INTEREST-FUEL OVER/UNDER RECOVERY	894	E	894				
2831001	533I	INDIAN RESERVATION SECTION 481a ADJUSTMENT	272,242	PTD			272,242		
2831001	575E	MTM BK GAIN-A/L-TAX DEFL	420,984	E	420,984				
2831001	605B	ACCURED BK PENSION EXPENSE	(16,038,733)	Labor					(16,038,733)
2831001	605C	ACCURED BK PENSION COSTS - SFAS 158	15,835,411	E	15,835,411				
2831001	630J	DEFD STORM DAMAGE	(6,462,777)	PTD			(6,462,777)		
2831001	630M	RATE CASE DEFD CHGS	(117,753)	E	(117,753)				
2831001	632U	BK DEFL-DEMAND SIDE MNGMT EXP	0	PTD			0		
2831001	638A	BOOK > TAX BASIS - EMA-A/C 283	(15,456)	E	(15,456)				
2831001	660M	REG ASSET-CARRY COST ON STRANDED COST	0	E	0				
2831001	660N	REG ASSET-DEFD CARRY COST ON STRANDED COST	(0)	PTD			(0)		
2831001	660R	REG ASSET-DEFD ACCR VEGETATION MGT EXPENSE	0	T&D					0
2831001	661R	REG ASSET-SFAS 158 - PENSIONS	(15,835,411)	E	(15,835,411)				
2831001	661S	REG ASSET-SFAS 158 - SERP	(142,570)	E	(142,570)				
2831001	661T	REG ASSET-SFAS 158 - OPEB	(1,737,557)	E	(1,737,557)				
2831001	661V	REG ASSET-RED ROCK FACILITY	(838,235)	E	(838,235)				
2831001	664E	REG ASSET-NON-AMI METERS	(13,967,511)	E	(13,967,511)				
2831001	664F	REG ASSET-NON-AMI METERS - AMORT	7,336,130	E	7,336,130				
2831001	665G	REG ASSET-UND/REC PSO BPF	(315,383)	E	(315,383)				
2831001	673H	REG ASSET-NE3/COMANCHE ENVIRON DEF	(9,091,320)	E	(9,091,320)				
2831001	673I	REG ASSET-NE3/COMANCHE ENVIRON-CONTRA	3,149,036	E	3,149,036				
2831001	673S	REG ASSET-INDEPENDENT EVALUATOR DEFRL	(40,429)	E	(40,429)				
2831001	673X	REG ASSET-WIND CATCHER COST RECOV	(91,341)	E	(91,341)				
2831001	674E	REG ASSET-NE U4 UNDEPRECIATED BALANCE	(15,769,564)	E	(15,769,564)				
2831001	690F	REG ASSET-NBV-ARO-RETIRED PLANTS	7,446	E	7,446				
2831001	900A	LOSS ON REACQUIRED DEBT	(1,431,333)	PTD			(1,431,333)		
2831001	906A	ACCRD SFAS 106 PST RETIRE EXP	(5,317,400)	Labor					(5,317,400)
2831001	906D	SFAS 106 PST RETIRE EXP - NON-DEDUCT CONT	3,075,790	Labor					3,075,790
2831001	906Z	SFAS 106 - MEDICARE SUBSIDY - (PPACA)-REG ASSET	(548,705)	Labor					(548,705)
2831001	913Y	BK DEFL - MERGER COSTS	0	E	0				
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED	0	WS C-4					
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-OK	0	WS C-4					
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-OK.	8,096,977	WS C-4	4,829,536	3,267,441			
2831001	960X	STATE NOL CURRENT BENEFIT	(1,257,375)	E	(1,257,375)				
2831002	911Q-DSIT	DSIT ENTRY - NORMALIZED	(172,564,217)	PTD			(172,564,217)		
2831001		Forecast Adjustment							



283.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	(231,287,929)		(35,540,236)	3,267,441	(180,186,086)	0	(18,829,048)
		(absolute value Total Company Amount Ties to FF1 p.277(k) -- Acct 283 Electric)							
1901001	011C-DFIT	TAX CREDIT C/F - DEF TAX ASSET	(659,755)	E	(659,755)				
1901001	011C-MJE	TAX CREDIT C/F - DEF TAX ASSET- MJE	659,755	E	659,755				
1901001	014A	ACCUM DITC-STATE-A/C 2550002	4,955,866	E	4,955,866				
1901001	433F	PSO-FUEL O/U RECOVERY-WSLE	0	E	0				
1901001	460A	UNBILLED REVENUE	3,281,107	E	3,281,107				
1901001	520A	PROVS POSS REV REFDS-A/L	1,775,478	PTD			1,775,478		
1901001	520X	PROV FOR RATE REFUND-TAX REFORM	0	E	0				
1901001	520Y	PROV FOR RATE REFUND-EXCESS PROTECTED	328,227	E	328,227				
1901001	576F	MARK & SPREAD-DEFL-190-A/L	(0)	E	(0)				
1901001	602A	PROV WORKER'S COMP	218,015	Labor					218,015
1901001	605E	SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN	267,618	Labor					267,618
1901001	605F	ACCRD SUP EXEC RETIR PLAN COSTS-SFAS 158	142,570	E	142,570				
1901001	605I	ACCRD BK SUP. SAVINGS PLAN EXP	8,135	Labor					8,135
1901001	605J	EMPLOYER SAVINGS PLAN MATCH	0	E	0				
1901001	605O	ACCRUED PSI PLAN EXP	(4,977)	Labor					(4,977)
1901001	605P	STOCK BASED COMP-CAREER SHARES	417,506	Labor					417,506
1901001	610A	BK PROV UNCOLL ACCTS - ST	70,128	E	70,128				
1901001	612Y	ACCRD COMPANYWIDE INCENTV PLAN	944,522	Labor					944,522
1901001	613E	ACCRUED BOOK VACATION PAY	1,415,780	Labor					1,415,780
1901001	613K	(ICDP)-INCENTIVE COMP DEFERRAL PLAN	132,457	Labor					132,457
1901001	613Y	ACCRUED BK SEVERANCE BENEFITS	(42,780)	Labor					(42,780)
1901001	615B	ACCRUED INTEREST-LONG-TERM - FIN 48	(605,420)	E	(605,420)				
1901001	615B-MJE	ACCRD INTRST-TAX RES-L/T-FIN 48-MJE	605,420	E	605,420				
1901001	615C	ACCRUED INTEREST-SHORT-TERM - FIN 48	0	E	0				
1901001	615E	ACCRUED STATE INCOME TAX EXP	(123,948)	E	(123,948)				
1901001	641I	ADVANCE RENTAL INC (CUR MO)	320,240	E	320,240				
1901001	642B	DEFD REV-BONUS LEASE SHORT-TERM	34,404	E	34,404				
1901001	642C	DEFD REV-BONUS LEASE LONG-TERM	9,255	E	9,255				
1901001	652G	REG LIAB-UNREAL MTM GAIN-DEFL	(135,229)	E	(135,229)				
1901001	663U	REG ASSET-DEFERRED BASE LOAD PUR PWR	0	E	0				
1901001	712P	PROF SERVICES CAPITALIZED-TX	1,009	PTD			1,009		
1901001	906F	ACCRD OPEB COSTS - SFAS 158	1,737,557	E	1,737,557				
1901001	906K	ACCRD SFAS 112 PST EMPLOY BEN	572,916	Labor					572,916
1901001	906P	ACCRD BOOK ARO EXPENSE - SFAS 143	10,760,957	E	10,760,957				
1901001	908A	BOOK OPERATING LEASE - LIAB	(7,459,166)	E	(7,459,166)				
1901001	911F-FIN48	FIN 48 DSIT	0	PTD			0		
1901001	911Q-DSIT	DSIT ENTRY - NORMALIZED	36,238,486	PTD			36,238,486		
1901001	911V	ACCRD SIT TX RESERVE-LNG-TERM-FIN 48	(416,399)	E	(416,399)				
1901001	911V-MJE	ACCRD SIT TX RES-LNG-TERM-FIN 48-MJE	416,399	E	416,399				
1901001	911W	ACCRD SIT TX RESERVE-SHRT-TERM-FIN 48	0	E	0				
1901001	940A	IRS AUDIT SETTLEMENT	0	PTD			0		
1901001	940X	IRS CAPITALIZATION ADJUSTMENT	288,501	PTD			288,501		
1901001	980A	RESTRICTED STOCK PLAN	30,574	E	30,574				
1901001	980J	PSI - STOCK BASED COMP	205,117	E	205,117				
1901002	014A	ACCUM DITC-STATE-A/C 2550002-MJE	16,194,103	E	16,194,103				
1901002	014A-DSITC	ADSITC STATE C/F-DEF STATE TAX ASSET-L/T	19,642,905	E	19,642,905				
1901002	014C-DSIT	NOL-STATE C/F-DEF STATE TAX ASSET-L/T	18,287,537	E	18,287,537				
1901002	014W-DSIT	STATE CREDIT C/F-VALUATION ALLOWANCE	(312,500)	E	(312,500)				
1901001		Forecast Adjustment	(17,421,449)		(11,005,258)		(5,613,074)		(803,118)
190.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	92,780,919		56,964,446	0	32,690,400	0	3,126,074
		(Total Company Amount Ties to FF1 p.234(c) -- Electric)							

AEP West SPP Member Operating Companies  
 PUBLIC SERVICE COMPANY OF OKLAHOMA  
**WORKSHEET C-2 -BEGINNING OF YEAR DETAIL OF DEFERRED INCOME TAX BALANCES**  
**AS OF DECEMBER 31, 2019**

Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			T&D	Labor
						100% Transmission	PTD Plant			
2821001	210E	LIBERALIZED DEPR-ELIG DFL	(111,671,196)	PTD			(111,671,196)			
2821001	230A	ACRS BENEFIT NORMALIZED	(314,214,935)	PTD			(314,214,935)			
2821001	230G	ACRS-ACCURED BK REMOVAL COSTS	(10,168,603)	PTD			(10,168,603)			
2821001	230I	CAPD INTEREST-SECTION 481(a)-CHANGE IN METHD	(754,634)	PTD			(754,634)			
2821001	230J	RELOCATION CST-SECTION 481(a)-CHANGE IN METHD	55,575	PTD			55,575			
2821001	230X	R & D DEDUCTION - SEC 174	(2,232,364)	PTD			(2,232,364)			
2821001	280H	BK PLANT IN SERVICE - SFAS 143 - ARO	(3,451,524)	E	(3,451,524)					
2821001	295A	GAIN/LOSS ON ACRS/MACRS PROPERTY	(1,011,827)	PTD			(1,011,827)			
2821001	295C	GAIN/LOSS-ACRS/MACRS-BK/TX UNIT PROP	1,877,226	PTD			1,877,226			
2821001	295D	TAX LOSS ON PLANT RETIREMENTS / SALE	(1,730,874)	E	(1,730,874)					
2821001	320A	ABFUDC	(6,589,091)	PTD			(6,589,091)			
2821001	380J	INT EXP CAPITALIZED FOR TAX	12,039,631	PTD			12,039,631			
2821001	390A	CIAC - BOOK RECEIPTS	12,582,383	E	12,582,383					
2821001	510H	PROPERTY TAX-NEW METHOD-BOOK	(40,006)	PTD			(40,006)			
2821001	532A	PERCENT REPAIR ALLOWANCE	(13,616,609)	PTD			(13,616,609)			
2821001	532C	BOOK/TAX UNIT OF PROPERTY ADJ	(51,540,946)	PTD			(51,540,946)			
2821001	532D	BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	(27,589,367)	PTD			(27,589,367)			
2821001	533J	TX ACCEL AMORT - CAPITALIZED SOFTWARE	(1,287,973)	E	(1,287,973)					
2821001	534A	CAPITALIZED RELOCATION COSTS	(13,524,932)	PTD			(13,524,932)			
2821001	630R	ACCRD ENERGY CONSERV EXPEND	(106,803)	PTD			(106,803)			
2821001	651A	IMPAIRED ASSETS RES-FAS 121-BK	3,241,027	E	3,241,027					
2821001	710H	AMORT ELEC PLT ACQ ADJS	30,622	E	30,622					
2821001	710T	AMORT CHELSEA MUN AUTH-TX	19,092	E	19,092					
2821001	710U	CHELSEA ACQUISITON ADJ-25 YR TX	80,503	E	80,503					
2821001	710V	PLANT ACQUISITION ADJ-CIAP-TX	90,473	E	90,473					
2821001	711N	CAPITALIZED SOFTWARE COSTS-TAX	2,229	Labor					2,229	
2821001	711O	BOOK LEASES CAPITALIZED FOR TAX	(192,688)	PTD			(192,688)			
2821001	712K	CAPITALIZED SOFTWARE COST-BOOK	(13,807,315)	Labor					(13,807,315)	
2821001	908B	BOOK OPERATING LEASE - ASSET	7,456,100	PTD			7,456,100			
2821001	910K	REMOVAL CST	(71,723,365)	PTD			(71,723,365)			
2821001	910N	ACCURED BK REMOVAL COST - ACRS	8,692,057	PTD			8,692,057			
2821001	930A	BOOK > TAX BASIS-PRTSHP INVEST	(1,764,153)	E	(1,764,153)					
2821001	930J	PROV FOR WRITEDOWN OF INVEST	386,635	E	386,635					
2821001	940I	1985-1987 IRS AUDIT SETTLEMENT	(81,039)	PTD			(81,039)			
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED	0	WS C-4						
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-OK	0	WS C-4						
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-OK.	(296,279,168)	WS C-4	(235,001,150)	(61,278,018)				
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-OK	0	WS C-4						
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-OK.	(90,617,028)	WS C-4	(79,380,715)	(11,236,313)				
2821001		Forecast Adjustment	12,199,788		3,794,866	950,220	7,309,426		145,275	

<b>282.1</b>	<b>TOTAL ELECTRIC ACCOUNT SUBTOTAL</b>	<b>(975,243,099)</b>	<b>(302,390,787)</b>	<b>(71,564,111)</b>	<b>(587,628,390)</b>	<b>0</b>	<b>(13,659,811)</b>
	(absolute value Total Company Amount Ties to FF1 p.275(k) -- Acct 282 Electric)						

2831001	014A-DSITC	ADSITC STATE C/F-DEF STATE TAX ASSET-L/T	(4,125,010)	E	(4,125,010)				
2831001	014C-DSIT	NOL-STATE C/F-DEF STATE TAX ASSET-L/T	(3,840,383)	E	(3,840,383)				
2831001	014W-DSIT	STATE CREDIT C/F-VALUATION ALLOWANCE	65,625	E	65,625				
2831001	433B	INTEREST-FUEL OVER/UNDER RECOVERY	894	E	894				
2831001	533I	INDIAN RESERVATION SECTION 481a ADJUSTMENT	272,242	PTD			272,242		
2831001	575E	MTM BK GAIN-A/L-TAX DEFL	420,984	E	420,984				
2831001	605B	ACCURED BK PENSION EXPENSE	(16,038,733)	Labor					(16,038,733)
2831001	605C	ACCURED BK PENSION COSTS - SFAS 158	15,835,411	E	15,835,411				
2831001	630J	DEFD STORM DAMAGE	(6,462,777)	PTD			(6,462,777)		
2831001	630M	RATE CASE DEF D CHGS	(117,753)	E	(117,753)				
2831001	632U	BK DEFL-DEMAND SIDE MNGMT EXP	0	PTD			0		
2831001	638A	BOOK > TAX BASIS - EMA-A/C 283	(15,456)	E	(15,456)				
2831001	660M	REG ASSET-CARRY COST ON STRANDED COST	0	E	0				
2831001	660N	REG ASSET-DEFD CARRY COST ON STRANDED COST	(0)	PTD			(0)		
2831001	660R	REG ASSET-DEFD ACCR VEGETATION MGT EXPENSE	0	T&D				0	
2831001	661R	REG ASSET-SFAS 158 - PENSIONS	(15,835,411)	E	(15,835,411)				
2831001	661S	REG ASSET-SFAS 158 - SERP	(142,570)	E	(142,570)				
2831001	661T	REG ASSET-SFAS 158 - OPEB	(1,737,557)	E	(1,737,557)				
2831001	661V	REG ASSET-RED ROCK FACILITY	(838,235)	E	(838,235)				
2831001	664E	REG ASSET-NON-AMI METERS	(13,967,511)	E	(13,967,511)				
2831001	664F	REG ASSET-NON-AMI METERS - AMORT	7,336,130	E	7,336,130				
2831001	665G	REG ASSET-UND/REC PSO BPF	(315,383)	E	(315,383)				
2831001	673H	REG ASSET-NE3/COMANCHE ENVIRON DEF	(9,091,320)	E	(9,091,320)				
2831001	673I	REG ASSET-NE3/COMANCHE ENVIRON-CONTRA	3,149,036	E	3,149,036				
2831001	673S	REG ASSET-INDEPENDENT EVALUATOR DEFRL	(40,429)	E	(40,429)				
2831001	673X	REG ASSET-WIND CATCHER COST RECOV	(91,341)	E	(91,341)				
2831001	674E	REG ASSET-NE U4 UNDEPRECIATED BALANCE	(15,769,564)	E	(15,769,564)				
2831001	690F	REG ASSET-NBV-ARO-RETIRED PLANTS	7,446	E	7,446				
2831001	900A	LOSS ON REACQUIRED DEBT	(1,431,333)	PTD			(1,431,333)		
2831001	906A	ACCRD SFAS 106 PST RETIRE EXP	(5,317,400)	Labor					(5,317,400)
2831001	906D	SFAS 106 PST RETIRE EXP - NON-DEDUCT CONT	3,075,790	Labor					3,075,790
2831001	906Z	SFAS 106 - MEDICARE SUBSIDY - (PPACA)-REG ASSET	(548,705)	Labor					(548,705)
2831001	913Y	BK DEFL - MERGER COSTS	0	E	0				
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED	0	WS C-4					
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-OK	0	WS C-4					
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-OK.	8,096,977	WS C-4	3,195,816	4,901,161			
2831001	960X	STATE NOL CURRENT BENEFIT	(1,257,375)	E	(1,257,375)				
2831002	911Q-DSIT	DSIT ENTRY - NORMALIZED	(172,564,217)	PTD			(172,564,217)		
2831001		Forecast Adjustment							

<b>283.1</b>	<b>TOTAL ELECTRIC ACCOUNT SUBTOTAL</b>	<b>(231,287,929)</b>	<b>(37,173,956)</b>	<b>4,901,161</b>	<b>(180,186,086)</b>	<b>0</b>	<b>(18,829,048)</b>
	(absolute value Total Company Amount Ties to FF1 p.277(k) -- Acct 283 Electric)						

1901001	011C-DFIT	TAX CREDIT C/F - DEF TAX ASSET	(659,755)	E	(659,755)				
1901001	011C-MJE	TAX CREDIT C/F - DEF TAX ASSET- MJE	659,755	E	659,755				
1901001	014A	ACCUM DITC-STATE-A/C 2550002	4,955,866	E	4,955,866				
1901001	433F	PSO-FUEL O/U RECOVERY-WSLE	0	E	0				
1901001	460A	UNBILLED REVENUE	3,281,107	E	3,281,107				
1901001	520A	PROVS POSS REV REFDS-A/L	1,775,478	PTD		1,775,478			
1901001	520X	PROV FOR RATE REFUND-TAX REFORM	0	E	0				
1901001	520Y	PROV FOR RATE REFUND-EXCESS PROTECTED	328,227	E	328,227				
1901001	576F	MARK & SPREAD-DEFL-190-A/L	(0)	E	(0)				
1901001	602A	PROV WORKER'S COMP	218,015	Labor				218,015	
1901001	605E	SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN	267,618	Labor				267,618	
1901001	605F	ACCRD SUP EXEC RETIR PLAN COSTS-SFAS 158	142,570	E	142,570				
1901001	605I	ACCRD BK SUP. SAVINGS PLAN EXP	8,135	Labor				8,135	
1901001	605J	EMPLOYER SAVINGS PLAN MATCH	0	E	0				
1901001	605O	ACCRUED PSI PLAN EXP	(4,977)	Labor				(4,977)	
1901001	605P	STOCK BASED COMP-CAREER SHARES	417,506	Labor				417,506	
1901001	610A	BK PROV UNCOLL ACCTS - ST	70,128	E	70,128				
1901001	612Y	ACCRD COMPANYWIDE INCENTV PLAN	944,522	Labor				944,522	
1901001	613E	ACCRUED BOOK VACATION PAY	1,415,780	Labor				1,415,780	
1901001	613K	(ICDP)-INCENTIVE COMP DEFERRAL PLAN	132,457	Labor				132,457	
1901001	613Y	ACCRUED BK SEVERANCE BENEFITS	(42,780)	Labor				(42,780)	
1901001	615B	ACCRUED INTEREST-LONG-TERM - FIN 48	(605,420)	E	(605,420)				
1901001	615B-MJE	ACCRD INTRST-TAX RES-L/T-FIN 48-MJE	605,420	E	605,420				
1901001	615C	ACCRUED INTEREST-SHORT-TERM - FIN 48	0	E	0				
1901001	615E	ACCRUED STATE INCOME TAX EXP	(123,948)	E	(123,948)				
1901001	641I	ADVANCE RENTAL INC (CUR MO)	320,240	E	320,240				
1901001	642B	DEFD REV-BONUS LEASE SHORT-TERM	34,404	E	34,404				
1901001	642C	DEFD REV-BONUS LEASE LONG-TERM	9,255	E	9,255				
1901001	652G	REG LIAB-UNREAL MTM GAIN-DEFL	(135,229)	E	(135,229)				
1901001	663U	REG ASSET-DEFERRED BASE LOAD PUR PWR	0	E	0				
1901001	712P	PROF SERVICES CAPITALIZED-TX	1,009	PTD		1,009			
1901001	906F	ACCRD OPEB COSTS - SFAS 158	1,737,557	E	1,737,557				
1901001	906K	ACCRD SFAS 112 PST EMPLOY BEN	572,916	Labor				572,916	
1901001	906P	ACCRD BOOK ARO EXPENSE - SFAS 143	10,760,957	E	10,760,957				
1901001	908A	BOOK OPERATING LEASE - LIAB	(7,459,166)	E	(7,459,166)				
1901001	911F-FIN48	FIN 48 DSIT	0	PTD		0			
1901001	911Q-DSIT	DSIT ENTRY - NORMALIZED	36,238,486	PTD		36,238,486			
1901001	911V	ACCRD SIT TX RESERVE-LNG-TERM-FIN 48	(416,399)	E	(416,399)				
1901001	911V-MJE	ACCRD SIT TX RES-LNG-TERM-FIN 48-MJE	416,399	E	416,399				
1901001	911W	ACCRD SIT TX RESERVE-SHRT-TERM-FIN 48	0	E	0				
1901001	940A	IRS AUDIT SETTLEMENT	0	PTD		0			
1901001	940X	IRS CAPITALIZATION ADJUSTMENT	288,501	PTD		288,501			
1901001	980A	RESTRICTED STOCK PLAN	30,574	E	30,574				
1901001	980J	PSI - STOCK BASED COMP	205,117	E	205,117				
1901002	014A	ACCUM DITC-STATE-A/C 2550002-MJE	16,194,103	E	16,194,103				
1901002	014A-DSITC	ADSITC STATE C/F-DEF STATE TAX ASSET-L/T	19,642,905	E	19,642,905				
1901002	014C-DSIT	NOL-STATE C/F-DEF STATE TAX ASSET-L/T	18,287,537	E	18,287,537				
1901002	014W-DSIT	STATE CREDIT C/F-VALUATION ALLOWANCE	(312,500)	E	(312,500)				
1901001		Forecast Adjustment	(20,088,498)		(12,690,052)	(6,472,379)	(926,067)		
<b>190.1</b>		<b>TOTAL ELECTRIC ACCOUNT SUBTOTAL</b>	<b>90,113,870</b>		<b>55,279,651</b>	<b>0</b>	<b>31,831,094</b>	<b>0</b>	<b>3,003,124</b>
		(Total Company Amount Ties to FF1 p.234(c) -- Electric)							

AEP West SPP Member Operating Companies  
 PUBLIC SERVICE COMPANY OF OKLAHOMA  
**WORKSHEET C-3 -PRORATION OF PROPERTY-RELATED DEFERRED INCOME TAX BALANCES  
 AS OF DECEMBER 31, 2020**

Note: This workpaper documents the calculation of the rate base adjustment to prorate forecasted activity in ADIT required by IRS regulation Section 1.167(l)-(h)(6)(ii) when preparing forecasted rates. This worksheet is not used during Annual True-Ups. Proratable activity in Account 282 results from the use of accelerated tax depreciation on additions to plant in service. The adjustment on line 19 is included on Worksheet C as a reduction to the ending forecasted ADIT balance of account 282. A proration adjustment for account 190, if any, will be calculated beginning on line 20.

Account 282 Proration Adjustment		Source					
1	Rate Year ending balance (Note 1)		WS C-1			(982,638,697)	
2	Rate Year beginning balance (Note 1)		WS C-2			(975,243,099)	
3	Annual forecasted change		Line 1 less Line 2			(7,395,597)	
4	Monthly forecasted change		Line 3 / 12			(616,300)	

  

Line	(A) Future Test Period	(B) Proratable Deferred Tax Activity	(C) Deferred Tax Balance	(D) Days in Month	(E) Number of Days Left in Period	(F) Proration Amount	(G) Prorated Item	(H) Prorated Balance
5	Beginning Balance	(975,243,099)	(975,243,099)		365	100.00%	(975,243,099)	(975,243,099)
6	January (line 4)	(616,300)	(975,859,399)	31	335	91.78%	(565,645)	(975,808,744)
7	February	(616,300)	(976,475,699)	28	307	84.11%	(518,367)	(976,327,111)
8	March	(616,300)	(977,091,999)	31	276	75.62%	(466,024)	(976,793,135)
9	April	(616,300)	(977,708,298)	30	246	67.40%	(415,369)	(977,208,505)
10	May	(616,300)	(978,324,598)	31	215	58.90%	(363,026)	(977,571,530)
11	June	(616,300)	(978,940,898)	30	185	50.68%	(312,371)	(977,883,902)
12	July	(616,300)	(979,557,198)	31	154	42.19%	(260,028)	(978,143,929)
13	August	(616,300)	(980,173,497)	31	123	33.70%	(207,685)	(978,351,614)
14	September	(616,300)	(980,789,797)	30	93	25.48%	(157,030)	(978,508,644)
15	October	(616,300)	(981,406,097)	31	62	16.99%	(104,687)	(978,613,330)
16	November	(616,300)	(982,022,397)	30	32	8.77%	(54,032)	(978,667,362)
17	December	(616,300)	(982,638,697)	31	1	0.27%	(1,688)	(978,669,051)
18	Ending Balance		(982,638,697)					(978,669,051)
19	Proration Adjustment - Line 18 Col. (H) less Col. (C)							\$ 3,969,646

Account 190 Proration Adjustment		Source					
20	Rate Year ending balance		WS C-1			-	
21	Rate Year beginning balance		WS C-2			-	
22	Annual forecasted change		Line 20 less Line 21			0	
23	Monthly forecasted change		Line 22 / 12			0	

  

Line	(A) Future Test Period	(B) Proratable Deferred Tax Activity	(C) Deferred Tax Balance	(D) Days in Month	(E) Number of Days Left in Period	(F) Proration Amount	(G) Prorated Item	(H) Prorated Balance
24	Beginning Balance	-	-		365	100.00%	-	-
25	January (line 4)	-	-	31	335	91.78%	-	-
26	February	-	-	28	307	84.11%	-	-
27	March	-	-	31	276	75.62%	-	-
28	April	-	-	30	246	67.40%	-	-
29	May	-	-	31	215	58.90%	-	-
30	June	-	-	30	185	50.68%	-	-
31	July	-	-	31	154	42.19%	-	-
32	August	-	-	31	123	33.70%	-	-
33	September	-	-	30	93	25.48%	-	-
34	October	-	-	31	62	16.99%	-	-
35	November	-	-	30	32	8.77%	-	-
36	December	-	-	31	1	0.27%	-	-
37	Ending Balance		-					-
38	Proration Adjustment - Line 37 Col. (H) less Col. (C)							\$ -

Notes  
 1 Amounts to be prorated include only line items related to the difference between book and tax depreciation expense. This includes the line item labeled 230A, and any other such items

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet C-4 - Excess Deferred Federal Income Taxes**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

NOTES

Include only excess DFIT recorded in accounts which are included in the formula rate cost of service. These include one or more subaccounts within accounts 190.1, 282.1, and 283.1.

Line	(A)	(B)	(C)	(D)	(E)	(F)	(G)
<b>Unprotected ADIT Balances</b>							
		Source	Total	1901001	2821001	2831001	XXXXXXX XXXXXXX
1	Balance per Books- Transmission Function only (190 enter positive, 282/283 enter negative)	Company records	(10,558,587)	-	(18,727,189)	8,168,602	
2	Settlement Amortization period	ER18-194/195 Settlement		5	5	5	5 5
3	Annual Transmission Function Amortization	Line 1 / Line 2	(2,111,717)	-	(3,745,438)	1,633,720	- -
4	Rate Year Beginning Accumulated Amortization	Company records	(4,223,435)	-	(7,490,876)	3,267,441	
5	Rate year Ending Accumulated Amortization	Line 3 + Line 4	(6,335,152)	-	(11,236,313)	4,901,161	- -
6	Rate Year Beginning Balance Per Books - Total Company	WS C-2 960F XS Unprotected	(82,520,052)		(90,617,028)	8,096,977	
7	Rate Year Beginning Included Balance - 100% Transmission Function net of amortization	Line 1 - Line 4	(6,335,152)	-	(11,236,313)	4,901,161	- -
8	Worksheet C-2 Rate Base Excluded Balance	Line 6 - Line 7	(76,184,899)	-	(79,380,715)	3,195,816	- -
9	Rate Year Ending Balance Per Books - Total Company	WS C-1 960F XS Unprotected	(82,520,052)	-	(90,617,028)	8,096,977	
10	Rate Year Ending Included Balance - 100% Transmission Function net of amortization	Line 1 - Line 5	(4,223,435)	-	(7,490,876)	3,267,441	- -
11	Worksheet C-1 Rate Base Excluded Balance	Line 9 - Line 10	(78,296,617)	-	(83,126,153)	4,829,536	- -
<b>Protected ADIT Balances</b>							
		Source	Total	2821001	XXXXXXX	XXXXXXX	
12	Balance per Books- Transmission Function only (190 enter positive, 282/283 enter negative)	Company records	(64,421,196)	(64,421,196)	-	-	
13	Annual Transmission Function Amortization	Company records	(1,016,172)	(1,016,172)			
14	Beginning Accumulated Amortization	Company records	(3,143,178)	(3,143,178)			
15	Ending Accumulated Amortization	Line 13 + Line 14	(4,159,350)	(4,159,350)			
16	WS C-2 Beginning Balance Per Books - Total Company	WS C-2 960F XS Protected	(296,279,168)	(296,279,168)			
17	Rate Year Ending Included Balance - 100% Transmission Function net of amortization	Line 12 - Line 14	(61,278,018)	(61,278,018)			
18	Worksheet C-2 Rate Base Excluded Balance	Line 16 - Line 17	(235,001,150)	(235,001,150)			
19	WS C-1 Ending Balance Net of Accumulated Amortization Per Books - Total Company	WS C-1 960F XS Protected	(296,279,168)	(296,279,168)			
20	Rate Year Ending Included Balance - 100% Transmission Function net of amortization	Line 12 - Line 15	(60,261,846)	(60,261,846)			
21	Worksheet C-1 Rate Base Excluded Balance	Line 19 - Line 20	(236,017,322)	(236,017,322)			
<b>Annual Amortization of Excess ADIT</b>							
22	Unprotected	Line 3	(2,111,717)				
23	Protected	Line 13	(1,016,172)				
24	Total	Line 22 + Line 23	(3,127,889)				

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet D - Materials and Supplies and Prepayments**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
<b>Materials &amp; Supplies</b>								
<u>Line Number</u>		<u>Source</u>		<u>Beginning/Average Balance for Rate Year</u>				
1	Transmission Materials & Supplies	WS D, p. 2 of 2, Col. (D), line 1		384,904				
2	General Materials & Supplies	WS D, p. 2 of 2, Col. (D), line 2		377,877				
3	Stores Expense (Undistributed) - Account 163	WS D, p. 2 of 2, Col. (D), line 3		0				
<b>Prepayments Account 165</b>								
<u>Line Number</u>	<u>Acc. No.</u>	<u>Description</u>	<u>Beginning/Ending Average balance Source - Page 2 of 2, Col (D)</u>	<u>Excludable Balances</u>	<u>100% Transmission Related</u>	<u>Plant Related</u>	<u>Labor Related</u>	<u>Explanation</u>
4	1650001	Prepaid Insurance	1,705,718	0		741,663	964,055	Fiduciary, Directors & Officers Liability, Casualty Broker Fee, Casualty Excess Public Liability, Property Ins, Cyber Liability, Excess Workers Compensation Liability.
5	1650004	Prepaid Interest	0	0				
6	1650005	Prepaid Employee Benefits	0	0				HSA Seed Monies
7	1650006	Other Prepayments	5,430,644	5,430,644			0	Prepaid Oklahoma Corporate Commission Fees (OCC) and NERC Assessment Fees. Prepaid Outage Alerts Service, Prepaid AMI Advertising and promotion costs, Innovari Corporate Mobilization Prepayment, Enable Oklahoma
8	1650009	Prepaid Carry Cost-Factored	265,160	265,160				Transmission gas prepayment (under BU198-Generation). AR Factoring - Excluded because it is retail.
9	1650010	Prepaid Pension Benefits	84,443,907				84,443,907	Prefunded Pension Expense - FAS 87
10	16500117/18	Prepaid Sales Taxes	3,938,401			3,938,401		Prepaid Sales Taxes
11	165001217/18	Prepaid Use Taxes	359,359	359,359				Prepaid Use Taxes
12	1650014	FAS 158 Qual Contra Asset	(84,443,907)	(84,443,907)				LT portion of the FAS 158 Projected Benefit Obligation for the Qualified Pension Plan when the net plan is still prepaid - offset a/c 1650010.
13	1650016	FAS 112 ASSETS	0	0				Overfunding of FAS112 - offset account 2283005.
14	1650021	Prepaid Insurance - EIS	1,678,747			514,357	1,164,390	EIS Plant (Property) Ins and EIS Excess Liability Ins.
15	1650023	Prepaid Leases	131,686	131,686				Prepaid Lease
16	1650028	Trinity Rail Car Lease - Non-current	0	0				
17	1650031	Prepaid OCIP Work Comp	0				0	
18	1650032	Prepaid OCIP Work Comp-Long Term	0				0	
19	1650033	Prepaid OCIP Work Comp-Affiliated	0				0	
20	1650034	Prepaid OCIP Work Comp-Affiliated Long Term	0				0	
21	1650035	PRW Without MED-D Benefits	19,932,575				19,932,575	FAS158 Post Retirement Welfare (PRW) Excluding the effect of the Med-D Subsidy.
22	1650036	PRW for Med-D Benefits	0				0	
23	1650037	FAS158 Contra-PRW Exclude Med-D	(19,932,575)	(19,932,575)				Contr Acct - FAS158 Post Retirement Welfare (PRW) Excludi
24			0				0	
25			0	0				
26			0					
27			0					
28			0					
29			13,509,714	(98,189,633)	0	5,194,421	106,504,927	

Note 1: Prepayment Balance will not include: (i) federal and state income tax payments made to offset additional tax liabilities resulting (or expected to result) from prior federal or state audits or from the filing of one or more amended income tax returns; (ii) outstanding income tax refunds due to the company resulting (or expected to result) from prior federal or state audits or from the filing of one or more amended income tax returns; or (iii) prepayments of federal or state income taxes which are attributable to income earned during periods prior to January 1 of the year depicted in the Balance Sheet (as described in USofA Account 236).

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
 Worksheet D - Materials and Supplies and Prepayments  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q)  
Materials & Supplies

Line Number	Description	Source - December Balances	Beginning/Ending Average	Monthly Balances													
				December 2019	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020	
1	Transmission Materials & Supplies	FF1, p. 227, In 8, Col. (c & b)	384,904	384,904	384,904	384,904	384,904	384,904	384,904	384,904	384,904	384,904	384,904	384,904	384,904	384,904	384,904
2	General Materials & Supplies	FF1, p. 227, In 11, Col. (c & b)	377,877	377,877	377,877	377,877	377,877	377,877	377,877	377,877	377,877	377,877	377,877	377,877	377,877	377,877	377,877
3	Stores Expense (Undistributed) - Account 163	FF1, p. 227, In 16, Col. (c & b)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Prepayments Account 165

Line item balances obtained from Company Records

Line Number	Acc. No.	Description	Beginning/Ending Average	Monthly Balances													
				December 2019	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020	
4	1650001	Prepaid Insurance	1,705,718	1,705,718	1,705,718	1,705,718	1,705,718	1,705,718	1,705,718	1,705,718	1,705,718	1,705,718	1,705,718	1,705,718	1,705,718	1,705,718	1,705,718
5	1650004	Prepaid Interest	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1650005	Prepaid Employee Benefits	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1650006	Other Prepayments	5,430,644	5,430,644	5,430,644	5,430,644	5,430,644	5,430,644	5,430,644	5,430,644	5,430,644	5,430,644	5,430,644	5,430,644	5,430,644	5,430,644	5,430,644
8	1650009	Prepaid Carry Cost-Factored	265,160	265,160	265,160	265,160	265,160	265,160	265,160	265,160	265,160	265,160	265,160	265,160	265,160	265,160	265,160
9	1650010	Prepaid Pension Benefits	84,443,907	84,443,907	84,443,907	84,443,907	84,443,907	84,443,907	84,443,907	84,443,907	84,443,907	84,443,907	84,443,907	84,443,907	84,443,907	84,443,907	84,443,907
10	165001117/18	Prepaid Sales Taxes	3,938,401	3,938,401	3,938,401	3,938,401	3,938,401	3,938,401	3,938,401	3,938,401	3,938,401	3,938,401	3,938,401	3,938,401	3,938,401	3,938,401	3,938,401
11	165001217/18	Prepaid Use Taxes	359,359	359,359	359,359	359,359	359,359	359,359	359,359	359,359	359,359	359,359	359,359	359,359	359,359	359,359	359,359
12	1650014	FAS 158 Qual Contra Asset	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)	(84,443,907)
13	1650016	FAS 112 ASSETS	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1650021	Prepaid Insurance - EIS	1,678,747	1,678,747	1,678,747	1,678,747	1,678,747	1,678,747	1,678,747	1,678,747	1,678,747	1,678,747	1,678,747	1,678,747	1,678,747	1,678,747	1,678,747
15	1650023	Prepaid Leases	131,686	131,686	131,686	131,686	131,686	131,686	131,686	131,686	131,686	131,686	131,686	131,686	131,686	131,686	131,686
16	1650028	Trinity Rail Car Lease - Non-current	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1650031	Prepaid OCIP Work Comp	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1650032	Prepaid OCIP Work Comp-Long Term	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	1650033	Prepaid OCIP Work Comp-Affiliated	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1650034	Prepaid OCIP Work Comp-Affiliated Long Term	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1650035	PRW Without MED-D Benefits	19,932,575	19,932,575	19,932,575	19,932,575	19,932,575	19,932,575	19,932,575	19,932,575	19,932,575	19,932,575	19,932,575	19,932,575	19,932,575	19,932,575	19,932,575
22	1650036	PRW for Med-D Benefits	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1650037	FAS158 Contra-PRW Exclude Med-D	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)	(19,932,575)
24	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	<b>Total - December Balances tie to Form 1, p 111.57.c and d</b>			13,509,714	13,509,714	13,509,714	13,509,714	13,509,714	13,509,714	13,509,714	13,509,714	13,509,714	13,509,714	13,509,714	13,509,714	13,509,714	13,509,714

Note 1: Prepayment Balance will not include: (i) federal and state income tax payments made to offset additional tax liabilities resulting (or expected to result) from prior federal or state audits or from the filing of one or more amended income tax returns; (ii) outstanding income tax refunds due to the company resulting (or expected to result) from prior federal or state audits or from the filing of one or more amended income tax returns; or (iii) prepayments of federal or state income taxes which are attributable to income earned during periods prior to January 1 of the year depicted in the Balance Sheet (as described in USofA Account 236).

AEP West SPP Member Operating Companies  
Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet E - IPP Credits**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) 2020</u>
1	Net Funds from IPP Customers @ 12/31/2019 (2020 FORM 1, P269, (B))	1,050,066
2	Interest Accrual (Company Records)	-
3	Revenue Credits to Generators (Company Records)	-
4	<u>Other Adjustments (Company Records)</u>	
5	Accounting Adjustment	-
6		
7	Net Funds from IPP Customers 12/31/2020 (2020 FORM 1, P269, (F))	1,050,066
8	Average Balance for 2020 ((In 1 + In 7)/2)	1,050,066



AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet F - Calculation of PROJECTED Annual Revenue Requirement for Base Plan and Special-Billed Projects**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

**I. Calculate Return and Income Taxes with 0 basis point ROE increase for Projects Qualified for Incentive.**

**A. Determine 'R' with hypothetical 0 basis point increase in ROE for Identified Projects**

1	ROE w/o incentives (TCOS, In 143)			10.50%
2	Project ROE Incentive Adder (Enter as whole number)		-	basis points
3	ROE with additional 0 basis point incentive			10.50% <==Incentive ROE
4	Determine R (cost of long term debt, cost of preferred stock and percent is from TCOS, Ins 141 through 143)			
5		%	Cost	Weighted cost
6	Long Term Debt	49.37%	4.38%	2.16%
7	Preferred Stock	0.00%	0.00%	0.00%
8	Common Stock	50.63%	10.50%	5.32%
9			R =	7.48%

**B. Determine Return using 'R' with hypothetical 0 basis point ROE increase for Identified Projects.**

10	Rate Base (TCOS, In 63)	502,001,016
11	R (from A. above)	0.0748
12	Return (Rate Base x R)	37,545,672

**C. Determine Income Taxes using Return with hypothetical 0 basis point ROE increase for Identified Projects.**

13	Return (from B. above)	37,545,672
14	Tax Rate (TCOS, In 99)	25.34%
15	EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =	24.12%
16	Income Tax Calculation (Return x EIT)	9,057,180
17	ITC Adjustment (TCOS, In 108)	(329,937)
18	Excess DFIT Adjustment (TCOS, In 109)	(4,189,349)
19	Tax Effect of Permanent and Flow Through Differences (TCOS, In 110)	63,864
20	Income Taxes	4,601,759

**II. Calculate Net Plant Carrying Charge Rate (Fixed Charge Rate or FCR) with hypothetical 0 basis point ROE increase.**

**A. Determine Net Revenue Requirement less return and Income Taxes.**

21	Net Revenue Requirement (TCOS, In 117)	91,670,125
22	Return (TCOS, In 112)	37,545,672
23	Income Taxes (TCOS, In 111)	4,601,759
24	Gross Margin Taxes (TCOS, In 116)	-
25	Net Revenue Requirement, Less Return and Taxes	49,522,694

**B. Determine Net Revenue Requirement with hypothetical 0 basis point increase in ROE.**

26	Net Revenue Requirement, Less Return and Taxes	49,522,694
27	Return (from I.B. above)	37,545,672
28	Income Taxes (from I.C. above)	4,601,759
29	Net Revenue Requirement, with 0 Basis Point ROE increase	91,670,125
30	Gross Margin Tax with Basis Point ROE Increase (II C. below)	-
31	Revenue Requirement w/ Gross Margin Taxes	91,670,125
32	Less: Depreciation (TCOS, In 86)	20,675,855
33	Net Rev. Req, w/0 Basis Point ROE increase, less Depreciation	70,994,270

**C. Determine Gross Margin Tax with hypothetical 0 basis point increase in ROE.**

34	Net Revenue Requirement before Gross Margin Taxes, with 0	91,670,125
35	Basis Point ROE increase (II B. above)	-
36	Apportionment Factor to Texas (Worksheet K, In 12)	0.00%
37	Apportioned Texas Revenues	-
38	Taxable Percentage of Revenue	22%
39	Taxable, Apportioned Margin	-
40	Texas Gross Margin Tax Rate	1%
41	Texas Gross Margin Tax Expense	-
42	Gross-up Required for Gross Margin Tax Expense	-
43	Total Additional Gross Margin Tax Revenue Requirement	-

**D. Determine FCR with hypothetical 0 basis point ROE increase.**

44	Net Transmission Plant (TCOS, In 37)	657,325,276
45	Net Revenue Requirement, with 0 Basis Point ROE increase	91,670,125
46	FCR with 0 Basis Point increase in ROE	13.95%
47	Net Rev. Req, w / 0 Basis Point ROE increase, less Dep.	70,994,270
48	FCR with 0 Basis Point ROE increase, less Depreciation	10.80%
49	FCR less Depreciation (TCOS, In 10)	10.80%
50	Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

**III. Calculation of Composite Depreciation Rate**

51	Transmission Plant Average Balance for 2020 (WS A-1 Ln 14 Col (d))	907,863,136
52	Annual Depreciation Expense (TCOS, In 86)	21,869,904
53	Composite Depreciation Rate	2.41%
54	Depreciable Life for Composite Depreciation Rate	41.51
55	Round to nearest whole year	42

Note: Worksheets F and G are both populated from the TCOS worksheet every update. Worksheet F is only used in Projections. Worksheet G is used only in True-Ups. These worksheets add up all of the individual SPP Base Plan projects, Requested Upgrades, Economic Upgrades, or any other projects billed by SPP through other than the NITS rate.

SUMMARY OF PROJECTED ANNUAL BASE PLAN AND NON-BASE PLAN REVENUE REQUIREMENTS				
	Rev Require	With Incentives	Incentive Amounts	
Σ Projected Year	2020	7,973,839	7,973,839	\$ -

**NOTE: PART IV ---Projected Base Plan Project Tables are contained in a separate file**



AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet G - Calculation of TRUED-UP Annual Revenue Requirement for Base Plan and Special-Billed Projects**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

**I. Calculate Return and Income Taxes with 0 basis point ROE increase for Projects Qualified for Incentive.**

**A. Determine 'R' with hypothetical 0 basis point increase in ROE for Identified Projects**

1	ROE w/o incentives (TCOS, In 143)		10.50%
2	Project ROE Incentive Adder (Enter as whole number)		- basis points
3	ROE with additional 0 basis point incentive		10.50% <=Incentive ROE
4	Determine R (cost of long term debt, cost of preferred stock and percent is from TCOS, Ins 141 through 143)		
5		<b>%</b>	<b>Cost</b>
6	Long Term Debt	49.37%	4.38%
7	Preferred Stock	0.00%	0.00%
8	Common Stock	50.63%	10.50%
9			R = 7.48%

**B. Determine Return using 'R' with hypothetical 0 basis point ROE increase for Identified Projects.**

10	Rate Base (TCOS, In 63)	502,001,016
11	R (from A. above)	0.0748
12	Return (Rate Base x R)	37,545,672

**C. Determine Income Taxes using Return with hypothetical 0 basis point ROE increase for Identified Projects.**

13	Return (from B. above)	37,545,672
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27	Return (from I.B. above)	37,545,672
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30	Gross Margin Tax with Basis Point ROE Increase (II C. below)	-
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32	Less: Depreciation (TCOS, In 86)	20,675,855
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**C. Determine Gross Margin Tax with hypothetical 0 basis point increase in ROE.**

34	Net Revenue Requirement before Gross Margin Taxes, with 0	91,670,125
35	Basis Point ROE increase (II B. above)	-
36	Apportionment Factor to Texas (Worksheet K, In 12)	0.00%
37	Apportioned Texas Revenues	-
38	Taxable Percentage of Revenue	22%
39	Taxable, Apportioned Margin	-
40	Texas Gross Margin Tax Rate	1%
41	Texas Gross Margin Tax Expense	-
42	Gross-up Required for Gross Margin Tax Expense	-
43	Total Additional Gross Margin Tax Revenue Requirement	-

**D. Determine FCR with hypothetical 0 basis point ROE increase.**

44	Net Transmission Plant (TCOS, In 37)	657,325,276
45	Net Revenue Requirement, with 0 Basis Point ROE increase	91,670,125
46	FCR with 0 Basis Point increase in ROE	13.95%
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51	Transmission Plant Average Balance for 2020 (WS A-1 Ln 14 Col (d))	907,863,136
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53	Composite Depreciation Rate	2.41%
54	Depreciable Life for Composite Depreciation Rate	41.51
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SUMMARY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS FOR SPP BPU & NON-BPU PROJECTS				
	2018	Rev Require	With Incentives	Incentive Amounts
True-Up Rate Year	2018			
Σ True Up Year Projected WS-F		\$ 7,463,959	\$ 7,463,959	\$ -
Σ True-Up Year True-Up WS-G		\$ 5,985,111	\$ 5,985,111	\$ -
True-up Adjustment For 2018		(1,478,848)	(1,478,848)	-

**NOTE: PART IV --- True-Up Base Plan Project Tables are contained in a separate file**



AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
 Worksheet H - Revenue Credits  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

<u>Line:</u>		<b>Total Company</b>	<b>Non- Transmission</b>	<b>Transmission</b>
1	<b>Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1)</b>	2,328,000	2,328,000	-
2	<b>Account 451, Misc. Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)</b>	290,400	290,400	-
	<b>Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)</b>			
	Account 4540001 - Rent from Elect Property-Aff	4,017,009	3,714,807	302,202
	Account 4540002 - Rent from Elect Property - Non-Aff	167,880	56,259	111,621
	Account 4540005 - Rent from Elect Property - Pole Attach	3,050,000	2,996,735	53,265
	Account 4540004 - Rent from Elect Property - ABD - Non-Aff	50,000	50,000	-
	Other 454 Accounts			
3	Total Rents from Electric Property	7,284,889		467,087
	<b>Account 456.0 Other Operating Revenues (FF1 p.300.21.(b); Company Records - Note 1)</b>			
	1 Account 4560015, Revenues from Associated Business Development	5,075,000	4,917,596	157,404
	2 All Other 456.0 Revenues	3,697,408	3,697,408	-
4	Total 456.0 Other Operating Revenues	8,772,408		157,404
	<b>Account 456.1, Revenues from Transmission of Electricity of Others (FF1 p.300.22.(b); Company Records - Note 1)</b>			41,598,924
	<b>Less:</b>			
	Transmission Direct Assignment Revenue (if costs not in the ARR)			647,004
	Sponsored Upgrade Revenue			
	Credits against Transmission Service Revenue related to Generation Interconnections			
	Revenue for GFA's (Relative to SPP OATT) Associated with Load Included in the Divisor			87,675
	Network Service Revenue (SPP Schedule 9) Associated with Load included in the Divisor			16,357,083
	Revenue Associated with Transmission Plant Excluded From SPP Tariff			
	Distribution and Other Non-Transmission Revenue			257,187
	Revenue from SPP Ancillary Services Provided			128,316
	Base Plan Revenue (from SPP)			18,349,824
	Flow Through of ERCOT Ancillary Charges			
	Other			
5	<b>Net 456.1 Transmission Credits</b>			<b>\$5,771,835</b>
6	<b>Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)</b>	-		-
7	<b>Account 457.2, Miscellaneous Revenues (FF1p.300.24.(b); Company Records - Note 1)</b>	-		-
8	<b>Total Revenue Credits - Sum lines 1 through 7</b>			<b>\$6,396,325</b>

Note 1: Data for this worksheet came from the FERC Form 1 and the Company's General Ledger.

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet I - Supporting Transmission Expense Adjustments**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

Note: This worksheet is used to include any FERC jurisdictional transmission-related (i.e. non-retail) expenses recorded in Accounts 561 or 565 which are includable in the formula on TCOS line 66, and make any other necessary FERC jurisdictional adjustments to Transmission O&M.

<u>Line</u> <u>Number</u>	<u>(A)</u> <u>Description</u>	<u>(B)</u> <u>2020</u>
1		
2		
3		
4		
5		
6		
7		
8		
9		
10	Total	( sum of lines 2 through 9 )
		<u>\$0</u>

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet J - Allocation of Specific O&M or A&G Expenses**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

Line Number	(A) FERC Acct No.	(B) Description	(C) 2020 Expense	(D) 100% Non-Transmission	(E) 100% Transmission Specific	(F) Explanation of Transmission Specific Items
		<u>Account 928</u>				
1	928XXXX	Reg Commission Expenses	2,515,156	2,515,156	0	
1						
2						
3						
4						
5						
6						
7		<b>Total (FERC Form 1 p.323.189.b)</b>	<u>2,515,156</u>	<u>2,515,156</u>	<u>0</u>	
		<u>Account 930.1</u>				
8	9301XXX	General Advertising Expenses	226,133	226,133	-	
9						
10						
11						
12		<b>Total (FERC Form 1 p.323.191.b)</b>	<u>226,133</u>	<u>226,133</u>	<u>0</u>	
		<u>Account 930.2</u>				
13	9302XXX	Misc General Expenses	3,917,029	3,564,496	352,533	
14						
15						
16		<b>Total (FERC Form 1 p.323.192.b)</b>	<u>3,917,029</u>	<u>3,564,496</u>	<u>352,533</u>	

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet K - Development of Composite State Income Tax Rate**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

**I. DEVELOPMENT OF COMPOSITE STATE INCOME TAX RATES FOR 2020**

State Income Tax Rate - Oklahoma	Note 1	5.66%	
Apportionment Factor		96.97%	
Effective State Income Tax Rate			5.4884%
State Income Tax Rate - Texas		0.75%	
Apportionment Factor		0.01%	
Effective State Income Tax Rate			0.0001%
State Income Tax Rate -			
Apportionment Factor			
Effective State Income Tax Rate			0.0000%
State Income Tax Rate -			
Apportionment Factor			
Effective State Income Tax Rate			0.0000%
State Income Tax Rate -			
Apportionment Factor			
Effective State Income Tax Rate			0.0000%
Total Effective State Income Tax Rate			<u>5.4900%</u>

Note 1 --- The Oklahoma State Income Tax Rate of 6% is reduced to 5.66% due to the deductibility of Oklahoma State Income Taxes on the Oklahoma State Income Tax Return.

**II. CALCULATION OF TEXAS GROSS MARGIN TAX**

		<u>Projected / Actual</u>	
		Total Company	Trans. Only
		364,315,573	91,670,125
Line #	REVENUE REQUIREMENT BEFORE TEXAS GROSS MARGIN TAX (TCOS In 116)		
1	Apportionment Factor to Texas (In12)	0.00%	0.00%
2	Apportioned Texas Revenues	\$0	\$0
3	Taxable Percentage of Revenue	14%	14%
4	Taxable, Apportioned Margin	-	-
5	Texas Gross Margin Tax Rate	1%	1%
6	Texas Gross Margin Tax Expense	-	-
7	Gross-up Required for Texas Gross Margin Expense (In 6 * In 3 * In 1)/(1- In 5) * In 5)	-	-
8	Total Additional Gross Margin Tax Revenue Requirement	-	-
9	WHOLESALE LOAD ALLOCATOR (For Use in Gross Margin Tax Allocator)		
10	Texas Jurisdictional Load	0 KW	
11	Total Load	0 KW	
12	Allocation Percentage (In 10 / In 11)	0.00%	



AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet L - Taxes Other than Income**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

Line No.	(A) Account	(B) Total Company	(C) Property	(D) Labor	(E) Other	(F) Non-Allocable
1	<b>Revenue Taxes</b>					
2	OH CAT Tax	-	-			
3	<b>Real Estate and Personal Property Taxes</b>					
4	Oklahoma Ad Valorum	38,726,880	38,726,880			
5	Texas Ad Valorum	1,613,620	1,613,620			
6	Louisiana Ad Valorum	-	-			
7	<b>Payroll Taxes</b>					
8	Federal Insurance Contribution (FICA)	5,737,617		5,737,617		
9	Federal Unemployment Tax	30,353		30,353		
10	State Unemployment Insurance	49,451		49,451		
11	<b>Production Taxes</b>					
12						
13						
14	<b>Miscellaneous Taxes</b>					
15	Federal Excise Tax	-				
16	Ok State Franchise Tax	208,000			208,000	
17	Ok Sales & Use Taxes	12,000				12,000
18	Ok Local Franchise Tax - 2016	-				
19	Ok Lsd PP Tax	-			-	
20	State License Fee	-			-	
21	Tx Sales & Use Taxes	-			-	
22	Unemployment TX - 015	-			-	
23	TX Lsd PP Tax	-			-	
24	Ok Misc Tax	-			-	
25	MT Misc Tax	-			-	
26	Wy Misc Tax	-			-	
27	Total Taxes by Allocable Basis (Total Company Amount Ties to FF1 p.114, Ln 14,(c))	46,377,921	40,340,500	5,817,421	208,000	12,000

NOTE: As a check, the difference between the total from Ln 27 above and the total on FF1 p.263 line 41(i) should equal the sum of the 'income' tax line items within FF1 p262.x-263.x

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet M - Cost of Capital**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

Line No	Month (a)	Average Balance of Common Equity				Average Balance of Common Equity (f)=(b)-(c)-(d)-(e)
		Proprietary Capital (b)	Less: Preferred Stock (c)	Less Undistributed Sub Earnings (Acct 216.1) (d)	Less AOCI (Acct 219.1) (e)	
(Note A)		(FF1 112.16)	(FF1 250-251)	(FF1 112.12)	(FF1 112.15)	
1	December Prior to Rate Year	1,368,196,847	-	-	1,162,532	1,367,034,315
2	January	1,370,060,782	-	-	1,091,881	1,368,968,901
3	February	1,372,338,743	-	-	1,021,231	1,371,317,512
4	March	1,372,988,539	-	-	950,581	1,372,037,958
5	April	1,371,019,471	-	-	879,931	1,370,139,540
6	May	1,378,179,088	-	-	809,281	1,377,369,807
7	June	1,405,119,606	-	-	738,631	1,404,380,975
8	July	1,434,726,681	-	-	667,981	1,434,058,700
9	August	1,461,872,900	-	-	597,330	1,461,275,570
10	September	1,478,078,004	-	-	526,680	1,477,551,324
11	October	1,488,243,473	-	-	456,030	1,487,787,443
12	November	1,484,393,579	-	-	385,380	1,484,008,199
13	December of Rate Year	1,487,684,585	-	-	314,730	1,487,369,855
14	13 Month Average	1,420,992,485	-	-	738,631	1,420,253,854

Line No	Month (a)	Average Balance of Long Term Debt					Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(f)
		Acct 221 Bonds (b)	Less: Acct 222 Reacquired Bonds (c)	LT Advances from Assoc. Companies (d)	Senior Unsecured Notes (e)	Less: Fair Value Hedges (f)	
(Note A)		(FF1 112.18)	(FF1 112.19)	(FF1 112.20)	(FF1 112.21)	FF1, page 257, Col. (h) - Note 1	
15	December Prior to Rate Year	-	-	-	1,391,719,867	-	1,391,719,867
16	January	-	-	-	1,391,679,080	-	1,391,679,080
17	February	-	-	-	1,391,638,192	-	1,391,638,192
18	March	-	-	-	1,391,597,201	-	1,391,597,201
19	April	-	-	-	1,391,556,108	-	1,391,556,108
20	May	-	-	-	1,391,514,912	-	1,391,514,912
21	June	-	-	-	1,378,813,613	-	1,378,813,613
22	July	-	-	-	1,378,772,211	-	1,378,772,211
23	August	-	-	-	1,378,730,706	-	1,378,730,706
24	September	-	-	-	1,378,689,096	-	1,378,689,096
25	October	-	-	-	1,378,647,383	-	1,378,647,383
26	November	-	-	-	1,378,605,565	-	1,378,605,565
27	December of Rate Year	-	-	-	1,378,563,643	-	1,378,563,643
28	13 Month Average	-	-	-	1,384,655,967	-	1,384,655,967

NOTE 1: The balance of fair value hedges on outstanding long term debt are to be excluded from the balance of long term debt included in the formula's capital structure. (Page 257 Column H of the FF1)

**Development of Cost of Long Term Debt Based on Average Outstanding Balance**

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)
29	<b>Annual Interest Expense for 2020</b>						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			59,574,511			
31	Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC Form 1 included in Ln 30 and shown in 50 below.			(1,279,141)			
32	Plus: Allowed Hedge Recovery From Ln 55 below.			(1,279,141)			
33	Amort of Debt Discount & Expense - Acct 428 (117.63.c)			804,300			
34	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)			279,417			
35	Less: Amort of Premium on Debt - Acct 429 (117.65.c)			-			
36	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)			-			
37	<b>Total Interest Expense (Ln 30 - 31 + 33 + 34 - 35 - 36)</b>			60,658,228			
38	<b>Average Cost of Debt for 2020 (Ln 37/ In 28 (g))</b>			4.38%			

**CALCULATION OF RECOVERABLE HEDGE GAINS/LOSSES**

39 NOTE: The net amount of hedging gains or losses recorded in account 427 to be recovered in this formula rate should be limited to the effective portion of pre-issuance cash flow hedges that are amortized over the life of the underlying debt issuances. The recovery of a net loss or passback of a net gain will be limited to five basis points of the total Capital Structure. Amounts related to the ineffective portion of pre-issuance hedges, cash settlements of fair value hedges issued on Long Term Debt, post-issuance cash flow hedges, and cash flow hedges of variable rate debt issuances are not recoverable in this formula and are to be recorded in the "Excludable" column below.

Line No	HEDGE AMOUNTS BY ISSUANCE (FROM p. 256-257 (i) of the FERC Form 1)	Total Hedge (Gain)/Loss for 2020	Less Excludable Amounts (See NOTE on Line 39)	Net Includable Hedge Amount	Amortization Period		
					Remaining Unamortized Balance	Beginning	Ending
40	Senior Unsecured Notes, Series 1 - 4.4% Financial Hedges	(1,279,141)	-	(1,279,141)	-	-	-
41							
42							
43							
44							
45							
46							
47							
48							
49							
50	Total Hedge Amortization	(1,279,141)	-				
51	Hedge Gain or Loss Prior to Application of Recovery Limit (Sum of Lines 40 to 48)			(1,279,141)			
52	Total Average Capital Structure Balance for 2020 (TCOS, Ln 144)			2,804,909,821			
53	Financial Hedge Recovery Limit - Five Basis Points of Total Capital			0.0005			
54	Limit of Recoverable Amount			1,402,455			
55	<b>Recoverable Hedge Amortization (Lesser of Ln 51 or Ln 54)</b>			<b>(1,279,141)</b>			

**Development of Cost of Preferred Stock**

56	13 Month Average Balance of Preferred Stock (Ln 14 Col. (c))	-
57	Dividends on Preferred Stock	-
58	<b>Average Cost of Preferred Stock (Ln 57/ Ln 56)</b>	<b>0.00%</b>

Privileged and Confidential Settlement Communication — Subject to FERC Rules 602 and 606

**AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
 Worksheet N - Schedule 11 True-up With Interest  
 PUBLIC SERVICE COMPANY OF OKLAHOMA**

True up Revenue Requirement For Year 2018 Available May, 2019 Net of Schedule 11 Revenue Credits	Cash Revenue Collections for True-up Year, Net of Schedule 11 Revenue Credits	True-up Adjustment - Over (Under) Recovery	True Up Year: 2018
\$0	\$0	\$0	Intermediate Year: 2019
			Rate Year: 2020

Month	Refunds/ (Surcharges)	Cumulative Refunds/(Surcharges) - Beginning of Month (Without Interest)	Base for Quarterly Compound Interest	Base for Monthly Interest	Monthly Interest Rate (Worksheet Q)	Calculated Interest	Amortization	Cumulative Refunds and Interest - End of Month
<b>Calculation of Interest</b>								
<i>True-Up Year</i>								
1/1/2018	-	-	-	-	0.440%	-	-	-
2/1/2018	-	-	-	-	0.400%	-	-	-
3/1/2018	-	-	-	-	0.440%	-	-	-
4/1/2018	-	-	-	-	0.450%	-	-	-
5/1/2018	-	-	-	-	0.460%	-	-	-
6/1/2018	-	-	-	-	0.450%	-	-	-
7/1/2018	-	-	-	-	0.450%	-	-	-
8/1/2018	-	-	-	-	0.450%	-	-	-
9/1/2018	-	-	-	-	0.450%	-	-	-
10/1/2018	-	-	-	-	0.450%	-	-	-
11/1/2018	-	-	-	-	0.450%	-	-	-
12/1/2018	-	-	-	-	0.450%	-	-	-
<i>Intermediate Year</i>								
1/1/2019	-	-	-	-	0.440%	-	-	-
2/1/2019	-	-	-	-	0.400%	-	-	-
3/1/2019	-	-	-	-	0.440%	-	-	-
4/1/2019	-	-	-	-	0.450%	-	-	-
5/1/2019	-	-	-	-	0.460%	-	-	-
6/1/2019	-	-	-	-	0.450%	-	-	-
7/1/2019	-	-	-	-	0.450%	-	-	-
8/1/2019	-	-	-	-	0.450%	-	-	-
9/1/2019	-	-	-	-	0.450%	-	-	-
10/1/2019	-	-	-	-	0.450%	-	-	-
11/1/2019	-	-	-	-	0.450%	-	-	-
12/1/2019	-	-	-	-	0.450%	-	-	-
<b>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</b>								
<i>Rate Year</i>								
1/1/2020	-	-	-	-	0.445%	-	-	-
2/1/2020	-	-	-	-	0.445%	-	-	-
3/1/2020	-	-	-	-	0.445%	-	-	-
4/1/2020	-	-	-	-	0.445%	-	-	-
5/1/2020	-	-	-	-	0.445%	-	-	-
6/1/2020	-	-	-	-	0.445%	-	-	-
7/1/2020	-	-	-	-	0.445%	-	-	-
8/1/2020	-	-	-	-	0.445%	-	-	-
9/1/2020	-	-	-	-	0.445%	-	-	-
10/1/2020	-	-	-	-	0.445%	-	-	-
11/1/2020	-	-	-	-	0.445%	-	-	-
12/1/2020	-	-	-	-	0.445%	-	-	-

True-Up Adjustment with Interest	-
Less Over (Under) Recovery	-
Total Interest	-

**Note 1:** The monthly interest rates to be applied to the over recovery or under recovery amounts during the true-up year and the intermediate year will be determined using the monthly FERC interest rates (as determined pursuant to 18 C.F.R. Section 35.19a) posted at <https://www.ferc.gov/enforcement/acct-matts/interest-rates.asp>. The monthly interest rate to be applied to the over recovery or under recovery amounts each month during the rate year will equal a simple average of the 12 monthly interest rates for the intermediate year.

**Note 2:** An over or under collection for the Schedule 11 charge will be recovered prorata over the true-up year, held for the intermediate year and returned prorata over the rate year.

**AEP West SPP Member Operating Companies**  
**Actual / Projected 2020 Rate Year Cost of Service Formula Rate**  
**Worksheet O - Schedule 9 NITS True-up With Interest**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

True up Revenue Requirement For Year 2020 Available May, 2021	Cash Revenue Collections for True-up Year, Net of Schedule 9 Revenue Credits	True-up Adjustment - Over (Under) Recovery	True Up Year: 2020
\$0	\$0	\$0	Intermediate Year: 2021
			Rate Year: 2022

Month	Refunds/ (Surcharges)	Cumulative Refunds/(Surcharges) - Beginning of Month (Without Interest)	Base for Quarterly Compound Interest	Base for Monthly Interest	Monthly Interest Rate (Worksheet Q)	Calculated Interest	Cumulative Refunds and Interest - End of Month
<b>Calculation of Interest</b>							
<i>True-Up Year</i>							
1/1/2020	-	-	-	-	0.440%	-	-
2/1/2020	-	-	-	-	0.400%	-	-
3/1/2020	-	-	-	-	0.440%	-	-
4/1/2020	-	-	-	-	0.450%	-	-
5/1/2020	-	-	-	-	0.460%	-	-
6/1/2020	-	-	-	-	0.450%	-	-
7/1/2020	-	-	-	-	0.450%	-	-
8/1/2020	-	-	-	-	0.450%	-	-
9/1/2020	-	-	-	-	0.450%	-	-
10/1/2020	-	-	-	-	0.450%	-	-
11/1/2020	-	-	-	-	0.450%	-	-
12/1/2020	-	-	-	-	0.450%	-	-
<i>Intermediate Year</i>							
1/1/2021	-	-	-	-	0.440%	-	-
2/1/2021	-	-	-	-	0.400%	-	-
3/1/2021	-	-	-	-	0.440%	-	-
4/1/2021	-	-	-	-	0.450%	-	-
5/1/2021	-	-	-	-	0.460%	-	-
6/1/2021	-	-	-	-	0.450%	-	-
True-Up Adjustment with Interest							-
Less Over (Under) Recovery							-
Total Interest							-

**Note 1:** The monthly interest rates to be applied to the over recovery or under recovery amounts during the true-up year and the intermediate year will be determined using the monthly FERC interest rates (as determined pursuant to 18 C.F.R. Section 35.19a) posted at <https://www.ferc.gov/enforcement/acct-matts/interest-rates.asp>.

**Note 2:** An over or under collection for the Schedule 9 charge will be recovered prorata over the true-up year, held through June of the intermediate year and charged/refunded in a lump sum during July of the intermediate year.

**AEP West SPP Member Operating Companies**  
**Actual / Projected 2020 Rate Year Cost of Service Formula Rate**  
**Worksheet P - Schedule 1 NITS True-up With Interest**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

True up Revenue Requirement For Year 2020 Available May, 2021	Cash Revenue Collections for True-up Year, Net of Schedule 1 Revenue Credits	True-up Adjustment - Over (Under) Recovery	True Up Year:	2020
\$0	\$0	\$0	Intermediate Year:	2021
			Rate Year:	2022

Month	Refunds/ (Surcharges)	Cumulative Refunds/(Surcharges) - Beginning of Month (Without Interest)	Base for Quarterly Compound Interest	Base for Monthly Interest	Monthly Interest Rate (Worksheet Q)	Calculated Interest	Cumulative Refunds and Interest - End of Month
<b>Calculation of Interest</b>							
<i>True-Up Year</i>							
1/1/2020	-	-	-	-	0.440%	-	-
2/1/2020	-	-	-	-	0.400%	-	-
3/1/2020	-	-	-	-	0.440%	-	-
4/1/2020	-	-	-	-	0.450%	-	-
5/1/2020	-	-	-	-	0.460%	-	-
6/1/2020	-	-	-	-	0.450%	-	-
7/1/2020	-	-	-	-	0.450%	-	-
8/1/2020	-	-	-	-	0.450%	-	-
9/1/2020	-	-	-	-	0.450%	-	-
10/1/2020	-	-	-	-	0.450%	-	-
11/1/2020	-	-	-	-	0.450%	-	-
12/1/2020	-	-	-	-	0.450%	-	-
<i>Intermediate Year</i>							
1/1/2021	-	-	-	-	0.440%	-	-
2/1/2021	-	-	-	-	0.400%	-	-
3/1/2021	-	-	-	-	0.440%	-	-
4/1/2021	-	-	-	-	0.450%	-	-
5/1/2021	-	-	-	-	0.460%	-	-
6/1/2021	-	-	-	-	0.450%	-	-
True-Up Adjustment with Interest							-
Less Over (Under) Recovery							-
Total Interest							-

**Note 1:** The monthly interest rates to be applied to the over recovery or under recovery amounts during the true-up year and the intermediate year will be determined using the monthly FERC interest rates (as determined pursuant to 18 C.F.R. Section 35.19a) posted at <https://www.ferc.gov/enforcement/acct-matts/interest-rates.asp>.

**Note 2:** An over or under collection for the Schedule 1 NITS charge will be recovered prorata over the true-up year, held through June of the intermediate year and charged/refunded in a lump sum during July of the intermediate year. Schedule 1 Point to Point revenues are not subject to true up.

**AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
 Worksheet Q - True-up Interest Rates  
 PUBLIC SERVICE COMPANY OF OKLAHOMA**

This Attachment is used to input and compute the interest rates to be applied to each year's revenue requirement true-ups.

Applicable FERC Interest Rate (Note A):		
1	1/1/2018	0.44%
2	2/1/2018	0.40%
3	3/1/2018	0.44%
4	4/1/2018	0.45%
5	5/1/2018	0.46%
6	6/1/2018	0.45%
7	7/1/2018	0.45%
8	8/1/2018	0.45%
9	9/1/2018	0.45%
10	10/1/2018	0.45%
11	11/1/2018	0.45%
12	12/1/2018	0.45%
13	1/1/2019	0.44%
14	2/1/2019	0.40%
15	3/1/2019	0.44%
16	4/1/2019	0.45%
17	5/1/2019	0.46%
18	6/1/2019	0.45%
19	7/1/2019	0.45%
20	8/1/2019	0.45%
21	9/1/2019	0.45%
22	10/1/2019	0.45%
23	11/1/2019	0.45%
24	12/1/2019	0.45%
	<u>Schedule 11 Base Plan True Up</u>	
25	Average Monthly Rate - Lines 13- 24	0.45%

Note A - Lines 1-20 are the FERC interest rates under section 35.19a of the regulations for the period shown, as posted at <https://www.ferc.gov/enforcement/acct-matts/interest-rates.asp>.

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet R - Unfunded Reserves**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) Account</u>	<u>(C) Formula Expense Account</u>	<u>(D) Balances @ 12/31/2020</u>	<u>(E) Balances 12/31/2019</u>	<u>(F) Average Balance for 2020</u>
1	Accm Prv I/D - Worker's Com	2282003		88,313	210,705	149,509
2						-
3						-
4						-
5						-
6	Total			88,313	210,705	149,509

Note - The cost of service will make a rate base adjustment to remove unfunded reserves associated with contingent liabilities recorded to Accounts 228.1-228.4 from rate base. Include only contingent liabilities which were expensed through accounts included in formula rate cost of service.



AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet S - Regulatory Assets**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

Line	(A) Description	(B) FERC Docket	(C) Source	(D) Amort. / Deferral Account	(E) 2020 Amortization / (Deferral)
1	<b>Regulatory Asset Amortizations / (Deferrals) in O&amp;M (Note 1)</b>				
1a	Deferred Storm Restoration Expenses—Relating to major storms		201300217 & 201700151	571	757,202
1b					
1c					
1d					
1e					
2	Net Amortization / (Deferral)				757,202
3	<b>FERC Approved Regulatory Amortizations / (Deferrals) in O&amp;M (Note 2)</b>				
3a	Deferred Storm Restoration Expenses—Relating to major storms	ER18-195	201300217 & 201700151	571	743,464
3b					
3c					
3d					
4	Net Approved Amortization / (Deferral)				743,464
5	<b>Reg Asset Amortizations / (Deferrals) in A&amp;G (Note 3)</b>				
5a	SFAS 106 Medicare Subsidy			926	489,915
5b					
6	Net Amortization / (Deferral)				489,915
7	<b>FERC Approved Reg Amortizations / (Deferrals) in A&amp;G (Note 4)</b>				
7a	SFAS 106 Medicare Subsidy	ER18-195		926	489,915
7b					
8	Net Approved Amortization / (Deferral)				489,915

**Regulatory Assets Included in Rate Base (Note 5)**

	(A) Description	(B) FERC Approval Docket	(C) Form 1 Reference	(D) Recovery Period (Months)	(E) Balance @ 12/31/2020	(F) Balance @ 12/31/2019	(G) Average Balance	(H) Functional Allocator (Note 6)	(I) Functional Allocator Value
9									
9a									
9b									
9c									
9d									
9e									
10	Total				-	-	-		

- Notes
- 1 Include all regulatory asset amortizations and deferrals included in accounts in Transmission O&M on FERC Form 1 p. 321, ln 122. Exclude all Distribution and Production-related items.
  - 2 Include only regulatory asset amortizations and deferrals included in accounts in Transmission O&M approved by FERC for inclusion in cost of service.
  - 3 Include all amortizations and deferrals of regulatory assets included in accounts in A&G expense on FERC Form 1 p. 321, ln 197, except amounts in Account 928, 930.1, and 930.2, which are accounts Worksheet J.
  - 4 Include only regulatory asset amortizations and deferrals included in accounts in A&G expense approved by FERC for inclusion in cost of service.
  - 5 See referenced FERC docket for details of Regulatory Assets approved for inclusion in rate base. Include only the Transmission functional balance for assets which have both Transmission and Distrib components.
  - 6 Balances direct assigned to Transmission except for payroll-related balances, which will be allocated using a wages and salaries allocator.
  - 7



AEP West SPP Member Operating Companies  
 Actual / Projected 2018 Rate Year Cost of Service Formula Rate  
**Worksheet T - Depreciation Rates**  
**PUBLIC SERVICE COMPANY OF OKLAHOMA**

**SUMMARY OF TOTAL DEPRECIATION RATES  
 BASED ON PLANT IN SERVICE AT DECEMBER 31, 2016**

**TRANSMISSION PLANT**

<u>Acct. No.</u>	<u>Account Title</u>	<u>Total Depr Rates</u>
350.1	Land Rights	1.07%
352.0	Structures & Improvements	2.05%
353.0	Station Equipment	1.72%
354.0	Towers & Fixtures	1.73%
355.0	Poles & Fixtures	3.92%
356.0	OH Conductor & Devices	2.18%
358.0	Underground Conductor	2.09%

**GENERAL PLANT**

<u>Acct. No.</u>	<u>Account Title</u>	<u>Total Depr Rates</u>
390.0	Structures & Improvements	1.76%
391.0	Office Furniture	2.44%
391.11	Office Equipment - Computers	20.00%
392.0	Transportation Equipment	6.67%
393.0	Stores Equipment	3.33%
394.0	Tools Shop & Garage Equipment	4.00%
395.0	Laboratory Equipment	1.94%
396.0	Power Operated Equip	4.24%
397.0	Communication Equip - Amortized	4.54%
397.16	AMI - Communication Equipment	6.67%
398.0	Miscellaneous Equipment	5.00%
399.3	Alliance Rail	2.50%

**INTANGIBLE PLANT**

<u>Acct. No.</u>	<u>Account Title</u>	<u>Total Depr Rates</u>
303.0	Intangible Plant	10.00%

Note 1 - These depreciation and amortization rates will not be changed absent a Section 205 or 206 filing at the Commission.

AEP West SPP Member Operating Companies  
 Transmission Cost of Service Formula Rate  
 Utilizing Actual / Projected Cost Data for the 2020 Rate Year

**SOUTHWESTERN ELECTRIC POWER COMPANY**

Line No.			Total	Allocator		Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(ln 117)				\$197,714,104
2	REVENUE CREDITS	(Note A) (Worksheet H)	8,793,504	DA	1.00000	\$ 8,793,504
3	Network Customer Owned Facility Credits	Worksheet B				-
4	REVENUE REQUIREMENT For All Company Facilities	(ln 1 less ln 2 plus ln 3)				<u>\$188,920,600</u>

**MEMO: The Carrying Charge Calculations on lines 7 to 12 below are used in calculating project revenue requirements billed through SPP Schedule 11. The total non-incentive revenue requirement for these projects shown on line 5 is included in the total on line 4.**

5	Trueed-Up / Projected Revenue Requirement for SPP BPU Regional Facilities (w/o incentives) (Worksheet F/G)		79,416,495	DA	1.00000	\$ 79,416,495
6	NET PLANT CARRYING CHARGE (w/o incentives) (Note B)					
7	Annual Rate	(ln 1 / ln 37 x 100%)				13.63%
8	Monthly Rate	(ln 7 / 12)				1.14%
9	NET PLANT CARRYING CHARGE ON LINE 7, W/O DEPRECIATION (w/o incentives) (Note B)					
10	Annual Rate	((ln 1 - ln 86) / ln 37 x 100%)				10.23%
11	NET PLANT CARRYING CHARGE ON LINE 9, W/O INCOME TAXES, RETURN (Note B)					
12	Annual Rate	((ln 1 - ln 86 - ln 111 - ln 112) / ln 37 x 100%)				3.14%
13	ADDITIONAL REVENUE REQUIREMENT for projects w/ incentive ROE's (Note C) (Worksheet F/G)					-

AEP West SPP Member Operating Companies  
Transmission Cost of Service Formula Rate  
Utilizing Actual / Projected Cost Data for the 2020 Rate Year

SOUTHWESTERN ELECTRIC POWER COMPANY

	(1)	(2)	(3)	(4)	(5)
	<b>RATE BASE CALCULATION</b>	<b>Data Sources (See "General Notes")</b>	<b>TO Total NOTE D</b>	<b>Allocator</b>	<b>Total Transmission</b>
Line No.					
14	GROSS PLANT IN SERVICE				
14	Production	(Worksheet A-1 In 14.B)	4,667,430,488	NA	0.00000
15	Less: Production ARO (Enter Negative)	(Worksheet A-1 In 14.C)	(80,549,734)	NA	0.00000
16	Transmission	(Worksheet A-1 In 14.D & Ln 121)	2,046,255,920	DA	1,994,563,841
17	Less: Transmission ARO (Enter Negative)	(Worksheet A-1 In 14.E)	-	TP	0.97474
18	Distribution	(Worksheet A-1 In 14.F)	2,347,020,465	NA	0.00000
19	Less: Distribution ARO (Enter Negative)	(Worksheet A-1 In 14.G)	-	NA	0.00000
20	General Plant	(Worksheet A-1 In 28.B)	318,793,415	W/S	0.07960
21	Less: General Plant ARO (Enter Negative)	(Worksheet A-1 In 28.C)	(1,162,570)	W/S	0.07960
22	Intangible Plant	(Worksheet A-1 In 28.D)	153,869,160	W/S	0.07960
23	TOTAL GROSS PLANT	(sum Ins 14 to 22)	9,451,657,144	GP=	0.21500
				GTD=	0.46577
24	ACCUMULATED DEPRECIATION AND AMORTIZATION				
25	Production	(Worksheet A-2 In 14.B)	1,611,574,611	NA	0.00000
26	Less: Production ARO (Enter Negative)	(Worksheet A-2 In 14.C)	(15,925,455)	NA	0.00000
27	Transmission	(Worksheet A-2 In 14.D less 29.F)	565,584,130	TP1=	0.96135
28	Less: Transmission ARO (Enter Negative)	(Worksheet A-2 In 14.E)	-	TP1=	0.96135
29	Distribution	(Worksheet A-2 In 14.F)	788,420,002	NA	0.00000
30	Less: Distribution ARO (Enter Negative)	(Worksheet A-2 In 14.G)	-	NA	0.00000
31	General Plant	(Worksheet A-2 In 28.B)	168,403,474	W/S	0.07960
32	Less: General Plant ARO (Enter Negative)	(Worksheet A-2 In 28.C)	(621,573)	W/S	0.07960
33	Intangible Plant	(Worksheet A-2 In 28.D)	59,911,464	W/S	0.07960
34	TOTAL ACCUMULATED DEPRECIATION	(sum Ins 25 to 33)	3,177,346,653		561,847,395
35	NET PLANT IN SERVICE				
36	Production	(In 14 + In 15 - In 25 - In 26)	2,991,231,597		-
37	Transmission	(In 16 + In 17 - In 27 - In 28)	1,480,671,791		1,450,839,891
38	Distribution	(In 18 + In 19 - In 29 - In 30)	1,558,600,463		-
39	General Plant	(In 20 + In 21 - In 31 - In 32)	149,848,944		11,927,352
40	Intangible Plant	(In 22 - In 33)	93,957,696		7,478,641
41	TOTAL NET PLANT IN SERVICE	(sum Ins 36 to 40)	6,274,310,491	NP=	0.23433
42	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note E)			
43	Account No. 281.1 (enter negative)	272-273.8.k	-	NA	-
44	Account No. 282.1 (enter negative)	(Worksheet C, In 4 C & In 8 J)	(1,348,491,216)	DA	(270,632,640)
45	Account No. 283.1 (enter negative)	(Worksheet C, In 12 C & In 14 J)	(32,004,643)	DA	(1,621,826)
46	Account No. 190.1	(Worksheet C, In 18 C & In 22 J)	95,304,534	DA	2,421,122
47	Account No. 255 (enter negative)	(Worksheet C, In 26 C & In 28 J)	5,195,141	DA	634,918
48	TOTAL ADJUSTMENTS	(sum Ins 43 to 47)	(1,279,996,184)		(269,198,426)
49	PLANT HELD FOR FUTURE USE	(Worksheet A-1 In 30.F)	1,281,768	DA	1,281,768
50	REGULATORY ASSETS	(Worksheet S In 10 cols. G and J) (Note W)	-	DA	-
51	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE U)	(Worksheet R, In 8 F)	(233,633)	W/S	0.07960
52	WORKING CAPITAL	(Note F)			
53	Cash Working Capital	(1/8 * (In 70 - Ln 69)) (Note G)	2,545,602		2,481,296
54	Transmission Materials & Supplies	(Worksheet D, pg 1 In 1 E)	167,005	TP	0.97474
55	A&G Materials & Supplies	(Worksheet D, pg 1 In 2 E)	108,356	W/S	0.07960
56	Stores Expense	(Worksheet D, pg 1 In 3 E)	-	GP	0.21500
57	Prepayments (Account 165) - Labor Allocated	(Worksheet D, pg 1 In 29 G)	109,493,112	W/S	0.07960
58	Prepayments (Account 165) - Gross Plant	(Worksheet D, pg 1 In 29 F)	2,951,695	GP	0.21500
59	Prepayments (Account 165) - Transmission Only	(Worksheet D, pg 1 In 29 E)	-	DA	1.00000
60	Prepayments (Account 165) - Unallocable	(Worksheet D, pg 1 In 29 D)	(85,558,223)	NA	0.00000
61	TOTAL WORKING CAPITAL	(sum Ins 53 to 60)	29,707,547		12,002,513
62	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note H) (Worksheet E, In 8 B)	(25,201,024)	DA	1.00000
63	RATE BASE (sum Ins 41, 48, 49, 50, 51, 61, 62)		4,999,868,965		1,189,112,120

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Line No.	(1) EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION	(2) Data Sources (See "General Notes")	(3) TO Total	(4) Allocator	(5) Total Transmission
64	OPERATION & MAINTENANCE EXPENSE				
64	Transmission	321.112.b	127,652,960		
65	Less: Total Account 561	(Note I) 321.84-92.b	14,029,010		
66	Less: Account 565	(Note J) 321.96.b	93,227,834		
67	Less: Regulatory Amortizations / (Deferrals)	Worksheet S In 2 (Note V)	31,298		
68	Plus: Includable 561 and 565 Expenses	Worksheet I In 10	\$0		
69	Plus: Approved Regulatory Amortizations / (Deferrals)	Worksheet S In 4 (Note V)	-		
70	Total O&M Allocable to Transmission	(Ins 64 - 65 - 66 - 67 + 68 + 69)	20,364,818	TP	0.97474
71	Administrative and General	323.197.b (Note K, M)	76,594,902		
72	Less: Acct. 924, Property Insurance	323.185.b	2,378,969		
73	Acct. 928, Reg. Com. Exp.	323.189.b	1,733,910		
74	Acct. 930.1, Gen. Advert. Exp.	323.191.b	215,783		
75	Acct. 930.2, Misc. Gen. Exp.	323.192.b	1,454,232		
76	Regulatory Asset Amortizations / (Deferrals)	Worksheet S In 6 (Note V)	587,431		
77	Balance of A & G	(In 71 - sum In 72 to In 76)	70,224,577	W/S	0.07960
78	Plus: Acct. 924, Property Insurance	(In 72)	2,378,969	GP	0.21500
79	Acct. 928 - Transmission Specific	Worksheet J In 10.(E) (Note L)	-	TP	0.97474
80	Acct 930.1 - Only safety related ads -Direct	Worksheet J In 16.(E) (Note L)	-	GP	0.21500
81	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet J In 22.(E) (Note L)	130,881	DA	1.00000
82	Approved A&G Reg. Asset Amort. / (Deferrals)	Worksheet S In 8 (Note V)	533,310	W/S	0.07960
83	A & G Subtotal	(sum Ins 77 to 82)	73,267,736		
84	TOTAL O & M EXPENSE	(In 70 + In 83)	93,632,555		
85	DEPRECIATION AND AMORTIZATION EXPENSE				
86	Transmission	336.7.b	50,517,916	TP	0.97474
87	General	336.10.b	7,036,497	W/S	0.07960
88	Intangible	336.1.d	23,935,057	W/S	0.07960
89	TOTAL DEPRECIATION AND AMORTIZATION	(sum Ins 86 to 88)	81,489,471		
90	TAXES OTHER THAN INCOME	(Note N)			
91	Labor Related				
92	Payroll	Worksheet L, Col. D	7,820,823	W/S	0.07960
93	Plant Related				
94	Property	Worksheet L, Col. C	68,040,027	GP	0.21500
95	Non-Allocable Taxes	Worksheet L, Col. F	25,537,000	NA	0.00000
96	Other	Worksheet L, Col. E	7,726,868	GP	0.21500
97	TOTAL OTHER TAXES	(sum Ins 92 to 96)	109,124,718		
98	INCOME TAXES	(Note O)			
99	$T=1 - \{(1 - SIT) * (1 - FIT)\} / (1 - SIT * FIT * p) =$		24.70%		
100	$EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =$		22.89%		
101	where WCLTD=(In 141) and WACC = (In 144)				
102	and FIT, SIT & p are as given in Note O.				
103	$GRCF=1 / (1 - T) =$ (from In 99)		1,3280		
104	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, In 19.c)	(911,304)		
105	Excess / (Deficit) Deferred Income Tax	Company Records (Note O) and WS C-4 Ln 24	(16,237,107)	DA	(3,078,074)
106	Tax Effect of Permanent and Flow Through Differences	Company Records (Note O)	1,595,051	DA	143,027
107	Income Tax Prior to Adjustments	(In 100 * In 112)	83,828,785		
108	ITC adjustment	(In 103 * In 104)	(1,210,186)	GP	0.21500
109	Excess / (Deficit) Deferred Income Tax	(In 103 * In 105)	(21,562,421)	DA	(4,087,595)
110	Tax Effect of Permanent and Flow Through Differences	(In 103 * In 106)	2,118,183	DA	189,936
111	TOTAL INCOME TAXES	(sum Ins 107 to 110)	63,174,361		
112	RETURN ON RATE BASE (Rate Base*WACC)	(In 63 * In 144)	366,276,955		
113	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note E) (Worksheet E, In 2)		-	DA	1.00000
114	REVENUE REQUIREMENT BEFORE TEXAS GROSS MARGIN TAX		713,698,059		
115	(sum Ins 84, 89, 97, 111, 112, 113)				197,634,185
116	TEXAS GROSS MARGIN TAX (Note P) (Worksheet K)		288,604	DA	79,920
117	REVENUE REQUIREMENT INCL GROSS MARGIN TAX	(In 114 + 116)	713,986,663		197,714,104

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SUPPORTING CALCULATIONS

In										
No.	TRANSMISSION PLANT INCLUDED IN SPP TARIFF (Note W)									
118	Total transmission plant	(In 16)								2,046,255,920
119	Less transmission plant excluded from SPP Tariff (Worksheet A-1, In 28 Col. (F)) (Note Q)									51,692,079
120	Less transmission plant included in OATT Ancillary Services (Worksheet A-1, In 28, Col. (E)) (Note R)									-
121	Transmission plant included in SPP Tariff	(In 118 - In 119 - In 120)								1,994,563,841
122	Percent of transmission plant in SPP Tariff	(In 121 / In 118)							<b>TP=</b>	<b>0.97474</b>
123	WAGES & SALARY ALLOCATOR (W/S)	(Note S)								
124	Production	354.20.b	45,527,944	16,009,205	61,537,149	NA	0.00000			-
125	Transmission	354.21.b	4,115,912	5,469,602	9,585,514	TP	0.97474			9,343,367
126	Regional Market Expenses	354.22.b	-	-	-	NA	0.00000			-
127	Distribution	354.23.b	29,448,387	1,979,380	31,427,767	NA	0.00000			-
128	Other (Excludes A&G)	354.24,25,26.b	8,068,420	6,766,269	14,834,689	NA	0.00000			-
129	Total	(sum Ins 124 to 128)	87,160,663	30,224,456	117,385,119					9,343,367
130	Transmission related amount								<b>W/S=</b>	<b>0.07960</b>
131	WEIGHTED AVERAGE COST OF CAPITAL (WACC) (Note T, Note X)									\$
132	Long Term Interest	Long Term Interest (Worksheet M, In. 37, col. (d))								111,309,910
133	Preferred Dividends	Preferred Stock Dividends (Worksheet M, In. 57, col. (d))								-
134	Development of Common Stock:									Average
135	Proprietary Capital	(Worksheet M, In. 14, col. (b))								2,479,045,122
136	Less Preferred Stock (In 142)	(Worksheet M, In. 14, col. (c))								-
137	Less Account 216.1	(Worksheet M, In. 14, col. (d))								34,451,515
138	Less Account 219	(Worksheet M, In. 14, col. (e))								(3,533,983)
139	Common Stock	(In 135 - In 136 - In 137 - In 138)								2,448,127,590
140		Rate Year Average Balances						Cost		Weighted
141	Avg Long Term Debt (Worksheet M, In. 28, col. (g))	2,580,221,154		51.31%			4.31%			0.0221
142	Avg Preferred Stock (Worksheet M, In. 14, col. (c))	-		0.00%			0.00%			0.0000
143	Avg Common Stock (In 139)	2,448,127,590		48.69%			10.50%			0.0511
144	Total (sum Ins 141 to 143)	5,028,348,744						<b>WACC=</b>		<b>0.0733</b>

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SOUTHWESTERN ELECTRIC POWER COMPANY

**Letter**

**Notes**

General Note: True Up References to data from FERC Form 1 are indicated as: page#.line#.col.#. Rate Year Projections from Company forecasts.

- A The revenue credits shall include a) amounts received directly from the SPP for PTP transmission services, b) direct assignment charges for transmission facilities, the cost of which has been included in the TCOS, and c) amounts from customers taking service under grandfathered agreements, where the demand is not included in the rate divisor. Revenues associated with FERC annual charges, gross receipts taxes, ancillary services or facilities excluded from the TCOS are not included as revenue credits. Revenue from Transmission Customers whose coincident peak loads are included in the DIVISOR of the load-ratio share calculation are not included as revenue credits. See Worksheet H for details.
  - B The annual and monthly net plant carrying charges on page 1 are used to compute the revenue requirement for facilities and any upgrades.
  - C This additional revenue requirement is determined using a net plant carrying charge (fixed carrying charge or FCR) approach. Worksheet G shows the calculation of the true-up revenue requirement for each project, based on an FCR rate calculated from inputs on this TCOS. Line 13 shows the incremental ARR for projects receiving incentives as accepted by FERC. These individual additional revenue requirements are summed for the true-up year, and included here.
  - D The gross plant, accumulated depreciation, and deferred tax balances included in rate base and depreciation expense are reduced by the removal of amounts related to Asset Retirement Obligations (AROs). This is to comply with the requirements of FERC Rulemaking RM02-7-000.
  - E The total-company balances shown for Accounts 281, 282, 283, 190 only reflect ADIT that relates to utility operations. The balance of Account 255 is reduced by prior flow throughs and is completely excluded if the utility chose to utilize amortization of tax credits against FIT expense as discussed in Note N. An exception to this is pre-1971 ITC balances, which are required to be taken as an offset to rate base. Account 281 is not allocated to transmission. Transmission allocations are shown on Worksheet C.
  - F Identified as being transmission related or functionally booked to transmission.
  - G Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission on line 70.
  - H Consistent with Paragraph 657 of Order 2003-A, the amount on line is equal to the balance of IPP System Upgrade Credits owed to transmission customers that made contributions toward the construction of System upgrades, and includes accrued interest and unreturned balance of contributions. The annual interest expense is included on line 113.
  - I Line 65 Removes the expense booked to transmission accounts included in the development of OATT ancillary services rates, including all of Account No. 561.
  - J Removes cost of transmission service provided by others to the extent such service is not incurred to provide the SPP service at issue.
  - K General Plant and Administrative & General expenses may be functionalized based on allocators other than the W/S allocator. Full documentation must be provided.
  - L Expense reported for these A&G accounts will be included in the cost of service only to the extent they are directly assignable or allocable to transmission service. Worksheet J allocates these expense items. Acct 928 Includes Regulatory Commission expenses itemized in FERC Form-1 at page 351, column H. FERC Assessment Fees and Annual Charges shall not be allocated to transmission. Only safety-related and educational advertising costs in Account 930.1 are included in the TCOS. Account 930.2 includes the expenses incurred by the transmission function for Associated Business Development revenues given as a credit to the TCOS on Worksheet H.
  - M Recoverable PBOP expense is based on actual annual PBOP costs, including charges from the AEP Service Corporation. The PBOP amounts are included in the Administrative and General total, and are based on current year expenses. The annual actuarial valuation report supporting the derivation of the PBOP expense, along with an explanation of PBOP derivation process, is submitted during the formula rate annual update.
  - N Includes only FICA, unemployment, property and other assessments charged in the current year. Gross Receipts tax, Sales & Use taxes, local franchise taxes, and taxes related to income are excluded.
  - O The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = "the percentage of federal income tax deductible for state income taxes". If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) (In 99) multiplied by (1/1-T) . If the applicable tax rates are zero enter 0.  
 Inputs Required:
 

FIT =	21.00%
SIT =	4.68% (State Income Tax Rate or Composite SIT. Worksheet K)
p =	0.00% (percent of federal income tax deductible for state purposes)
- Excess / (Deficit) Deferred Income Taxes will be amortized over the average remaining life of the assets to which it relates, unless the Commission requires a different amortization period. Recovery of permanent and flow through differences is limited to only the transmission functional portion of the tax difference related to capitalized AFUDC Equity.
- P The Texas Gross Margin tax is calculated on the Texas allocated revenue of the Company, reduced by cost of goods sold deduction to derive a "Gross Margin" for the Company. The tax rate of one percent is assessed on the resulting amount. The jurisdictional allocator is based on transmission demand allocators.
  - Q Removes plant excluded from the OATT because it does not meet the SPP's definition of Transmission Facilities or is otherwise ineligible to be recovered under the OATT.
  - R Removes transmission plant (e.g. step-up transformers) included in the development of OATT ancillary service rates and not already removed for reasons indicated in Note Q.
  - S Includes functional wages & salaries incurred by parent company service corporation for support of the operating company.
  - T Long Term Debt cost rate = Long-Term Interest (In 132) / Long Term Debt (In 141). Preferred Stock cost rate = preferred dividends (In 133) / preferred outstanding (In 142). Common Stock cost rate (ROE) = 10.5%, the rate accepted by FERC pursuant to the settlement filed in Docket Nos.EL17-76 / EL18-199 . It includes an additional 50 basis points for remaining a member of the SPP RTO.  
  
 The amount of eligible hedging gains or losses included in total interest expense is limited to five basis points of the capital structure. Details and calculations of the weighted average cost of capital are shown on Worksheet M. Eligible Hedging Gains and Losses are computed on Worksheet M. The unamortized balance of eligible hedge gains/losses and related ADIT amounts shall not flow through the formula rate.
  - U The cost of service will make a rate base adjustment to remove unfunded reserves associated with contingent liabilities recorded to Accounts 228.1-228.4 from rate base.
  - V O&M and A&G shall be adjusted to remove all regulatory asset deferrals and amortizations that have not been approved by FERC for inclusion in cost of service, and then to add back in FERC approved amortizations and deferrals. Negative amounts in O&M or A&G represent deferrals. See Worksheet S.
  - W If the company submits a Section 205 filing proposing to make adjustments to this formula rate cost of service template to remove assets and costs related to transmission facilities constructed and operated specifically for the purpose of delivering the output of generation facilities, including generation tie-lines, which do not qualify under the SPP OATT for inclusion in transmission cost of service, challenges to such filing(s) shall be limited to the justness and reasonableness of such proposal.
  - X If the company submits a Section 205 filing proposing to make adjustments to this formula rate cost of service template to remove from the cost of capital the debt and related interest costs incurred in connection with financing specifically dedicated to non-transmission-related assets, such as securitization financing, challenges to such filing(s) shall be limited to the justness and reasonableness of such proposal's impacts on the Company's cost of capital.



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**Worksheet A-1 - Detailed Plant Balances**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

		Gross Plant In Service - Production					
Line No	Month (a)	Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)
		FF1, page 205 Col.(g) & pg. 204 Col. (b), In 46	FF1, page 205&204, Col.(g)&(b), Ins 15,24,34,44	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 58	Acct. 359.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), In 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 75	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 74
1	December Prior to Rate Year	4,667,363,360	80,610,777	2,007,922,668	-	2,307,295,167	-
2	January	4,665,280,439	80,600,380	2,017,397,472	-	2,316,280,417	-
3	February	4,663,174,046	80,590,045	2,020,404,067	-	2,323,955,587	-
4	March	4,660,908,879	80,579,771	2,024,524,293	-	2,329,399,375	-
5	April	4,667,140,561	80,569,558	2,039,684,170	-	2,334,889,075	-
6	May	4,669,559,183	80,559,406	2,045,860,386	-	2,340,477,127	-
7	June	4,670,473,192	80,549,315	2,059,373,227	-	2,346,301,810	-
8	July	4,671,123,713	80,539,283	2,058,808,893	-	2,352,309,831	-
9	August	4,670,085,159	80,529,311	2,057,007,252	-	2,358,606,578	-
10	September	4,668,931,471	80,519,398	2,057,368,980	-	2,365,005,026	-
11	October	4,667,994,684	80,509,544	2,057,281,709	-	2,371,633,915	-
12	November	4,667,546,626	80,499,748	2,060,073,936	-	2,378,277,697	-
13	December of Rate Year	4,667,015,029	80,490,011	2,095,619,913	-	2,386,834,435	-
14	13 Month Average	4,667,430,488	80,549,734	2,046,255,920	-	2,347,020,465	-

		Gross Plant In Service - Distribution, General and Intangible, GSU, Excluded Plant				
Line No	Month (a)	General (b)	General ARO (c)	Intangible (d)	OATT Ancillary Services (GSU) (e)	Excluded Plant (f)
		FF1, page 207 Col.(g) & pg. 206 Col. (b), In 99	Acct. 399.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), In 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 5	Company Records	Company Records
15	December Prior to Rate Year	318,114,136	1,162,570	124,335,525	-	51,692,079
16	January	318,682,618	1,162,570	145,746,262	-	51,692,079
17	February	318,651,245	1,162,570	147,966,857	-	51,692,079
18	March	318,541,000	1,162,570	151,836,297	-	51,692,079
19	April	318,422,007	1,162,570	153,322,884	-	51,692,079
20	May	318,297,726	1,162,570	154,783,554	-	51,692,079
21	June	318,172,674	1,162,570	156,343,739	-	51,692,079
22	July	318,047,540	1,162,570	157,893,264	-	51,692,079
23	August	317,940,466	1,162,570	159,436,919	-	51,692,079
24	September	317,828,183	1,162,570	160,959,406	-	51,692,079
25	October	317,808,730	1,162,570	162,026,307	-	51,692,079
26	November	317,701,128	1,162,570	163,753,956	-	51,692,079
27	December of Rate Year	326,106,947	1,162,570	161,894,106	-	51,692,079
28	13 Month Average	318,793,415	1,162,570	153,869,160	-	51,692,079

Transmission Functional Plant Held For Future Use (Notes A and B)						
Line No	Asset Description (a)	Definite Plan for Future Use (b)	Estimated in Service Year (c)	2020 Rate Year Beginning balance (d)	2020 Rate Year Ending balance (e)	2020 Rate Year Average (f)
29A	Plant Held For Future Use			1,281,768	1,281,768	1,281,768
29B	Transmission Plant Held for Future			-	-	-
29C						
30	Total			1,281,768	1,281,768	1,281,768

Notes:  
 (A) Per the general instruction for Account No. 105 in 18 CFR Part 101.  
 (B) Include only the Transmission functional component of amounts reported page 214 of the FERC Form 1.

AEP West SPP Member Operating Companies  
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**Worksheet A-2 - Detailed Accumulated Depreciation Balances**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

Accumulated Depreciation - Production							
Line No	Month (a)	Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)
		FF1, page 219, Ins 20-24, Col. (b)	Company Records (Included in total in Column (b))	FF1, page 219, In 25, Col. (b)	Company Records (Included in total in Column (b))	FF1, page 219, In 26, Col. (b)	Company Records (Included in total in Column (b))
1	December Prior to Rate Year	1,570,082,251	14,485,805	546,054,572	-	772,059,400	-
2	January	1,577,302,825	14,725,601	549,229,039	-	774,718,957	-
3	February	1,584,506,085	14,965,438	552,439,331	-	777,410,685	-
4	March	1,591,396,016	15,205,315	555,659,237	-	780,130,265	-
5	April	1,598,067,953	15,445,232	558,893,197	-	782,834,969	-
6	May	1,604,760,447	15,685,187	562,169,925	-	785,559,808	-
7	June	1,611,874,848	15,925,182	565,466,522	-	788,305,574	-
8	July	1,619,024,815	16,165,216	568,792,521	-	791,073,254	-
9	August	1,626,179,575	16,405,289	572,120,073	-	793,862,804	-
10	September	1,633,161,205	16,645,400	575,445,278	-	796,668,564	-
11	October	1,640,259,014	16,885,549	578,773,888	-	799,464,354	-
12	November	1,647,406,507	17,125,737	582,104,624	-	802,284,024	-
13	December of Rate Year	1,646,448,403	17,365,962	585,445,480	-	805,087,365	-
14	13 Month Average	1,611,574,611	15,925,455	565,584,130	-	788,420,002	-

Accumulated Depreciation- Distribution, General and Intangible, GSU, Excluded Plant						
Line No	Month (a)	General (b)	General ARO (c)	Intangible (d)	OATT Ancillary Services (GSU) (e)	Excluded Plant (f)
		FF1, page 219, In 28, Col. (b)	Company Records (Included in total in Column (d))	FF1, page 200, In 21, Col. (b)	Company Records	Company Records
15	December Prior to Rate Year	167,522,725	621,573	54,993,082	-	21,860,179
16	January	167,672,462	621,573	55,535,785	-	21,860,179
17	February	167,823,936	621,573	56,235,112	-	21,860,179
18	March	167,968,368	621,573	56,974,667	-	21,860,179
19	April	168,112,596	621,573	58,167,877	-	21,860,179
20	May	168,256,594	621,573	59,387,964	-	21,860,179
21	June	168,411,796	621,573	60,635,076	-	21,860,179
22	July	168,555,299	621,573	61,744,843	-	21,860,179
23	August	168,698,553	621,573	62,883,542	-	21,860,179
24	September	168,841,577	621,573	64,051,077	-	21,860,179
25	October	168,984,360	621,573	64,131,552	-	21,860,179
26	November	169,127,162	621,573	64,236,442	-	21,860,179
27	December of Rate Year	169,269,736	621,573	59,872,015	-	21,860,179
28	13 Month Average	168,403,474	621,573	59,911,464	-	21,860,179

29 Transmission Accumulated, net of GSU and Excluded- Ln 14 Col (d) less Ln 28 Cols. (e) & (f) \$543,723,951

AEP West SPP Member Operating Companies  
Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet B - Third Party Facility Credits**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

Line No.	Source	Amount
1	Facility Credits under the SPP OATT	-

Note: Under Section 30.9 of the SPP OATT, a network customer that owns existing transmission facilities that are integrated with the Transmission Provider's Transmission System may be eligible to receive consideration either through a billing credit or some other mechanism. Calculation of any credit under this subsection, pursuant to approval by FERC for inclusion in this formula rate for collection on behalf of the network customer, shall be addressed in either the Network Customer's Service Agreement or any other agreement between the parties.

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet C - ADIT and ADITC Balances**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

Line No.	(A) Acc. No.	(B) Description	(C) YE Balance	(E) Exclusions *	(F) 100% Transmission Related	(G) PTD Plant Related	(H) Transmission & Distribution Plant Related	(I) Labor Related	(J) Total Included in Rate base (E)+(F)+(G)+(H)
<b>Note: Account 281 is not allocated to Transmission</b>									
<b>Account 282 - Form-1 page 274.2.b and 275.2.k</b>									
1	282.1	2020 Year End Tax Deferrals - WS C-1	(1,351,647,561)	(425,926,003)	(93,030,133)	(820,580,154)	-	(12,111,271)	
2	282.1	2019 Year End Tax Deferrals - WS C-2	(1,345,334,871)	(420,706,607)	(95,724,944)	(816,839,429)	-	(12,063,891)	
3		<b>Subtotal</b>	(2,696,982,432)	(846,632,611)	(188,755,077)	(1,637,419,583)	-	(24,175,161)	
4		<b>Average Balance before Proration</b>	(1,348,491,216)	(423,316,305)	(94,377,538)	(818,709,792)	0	(12,087,581)	
5		<b>Proration Adjustment - WS C-3, Ln 19</b>				3,388,387			
6		<b>Prorated Average balance</b>	(1,348,491,216)	(423,316,305)	(94,377,538)	(815,321,405)	0	(12,087,581)	
7		<b>Transmission Allocator from TCOS</b>		0.0000%	100.0000%	21.4999%	46.5770%	7.9596%	
8		<b>Allocated Total</b>		0	(94,377,538)	(175,292,980)	0	(962,121)	<b>(270,632,640)</b>
<b>Account 283 - Form-1 page 276.9.b and 277.9.k</b>									
9	283.1	2020 Year End Tax Deferrals - WS C-1	(32,004,643)	(11,930,160)	149,463	(1,469,049)	-	(18,754,897)	
10	283.1	2019 Year End Tax Deferrals - WS C-2	(32,004,643)	(12,004,891)	224,195	(1,469,049)	-	(18,754,897)	
11		<b>Subtotal</b>	(64,009,286)	(23,935,051)	373,659	(2,938,099)	-	(37,509,794)	
12		<b>Average Balance</b>	(32,004,643)	(11,967,526)	186,829	(1,469,049)	0	(18,754,897)	
13		<b>Transmission Allocator from TCOS</b>		0.0000%	100.0000%	21.4999%	46.5770%	7.9596%	
14		<b>Allocated Total</b>		0	186,829	(315,844)	0	(1,492,812)	<b>(1,621,826)</b>
<b>Account 190 - Form-1 page 234, Ln 8, Col. (b) &amp; (c)</b>									
15	190.1	2020 Year End Tax Deferrals - WS C-1	96,360,931	81,913,464	-	9,592,189	-	4,855,278	
16	190.1	2019 Year End Tax Deferrals - WS C-2	94,248,137	80,144,907	-	9,386,199	-	4,717,031	
17		<b>Subtotal</b>	190,609,068	162,058,371	-	18,978,388	-	9,572,309	
18		<b>Average Balance before Proration</b>	95,304,534	81,029,186	0	9,489,194	0	4,786,155	
19		<b>Proration Adjustment - WS C-3, Ln 38</b>			0				
20		<b>Prorated Average balance</b>	95,304,534	81,029,186	0	9,489,194	0	4,786,155	
21		<b>Transmission Allocator from TCOS</b>		0.0000%	100.0000%	21.4999%	46.5770%	7.9596%	
22		<b>Allocated Total</b>		0	0	2,040,164	0	380,958	<b>2,421,122</b>
<b>Account 255 - Form-1 page 266-267</b>									
						<u>Pre 1971 ITC</u>			
						<u>Includable in Rate</u>			
						<u>Base</u>			
23	255.0	Acc Defrd ITC - Federal - 12/31/2020 (FF1 p. 267, Ln 2.h)	4,484,028			-			
24	255.0	Acc Defrd ITC - Federal - 12/31/2019 (FF1 p. 266, Ln 2.b)	5,906,253			5,906,253			
25		<b>Subtotal</b>	10,390,281			5,906,253			
26		<b>Average Balance</b>	5,195,141			2,953,127			
27		<b>Transmission Allocator from TCOS</b>				21.4999%			
28		<b>Allocated Total</b>		N/A	N/A	634,918	N/A	N/A	<b>634,918</b>

\* Exclusions: Non-utility, fuel supply, off-system sales and other items as specified related to costs not included in rates.

AEP West SPP Member Operating Companies  
SOUTHWESTERN ELECTRIC POWER COMPANY  
**WORKSHEET C-1 - END OF YEAR DETAIL OF DEFERRED INCOME TAX BALANCES**  
**AS OF DECEMBER 31, 2020**

Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			T&D	Labor
						100% Transmission	PTD Plant			
2821001	230A	ACRS BENEFIT NORMALIZED	(653,519,050)	PTD			(653,519,050)			
2821001	230I	CAPD INTEREST-SECTION 481(a)-CHANGE IN METHD	(763,036)	PTD			(763,036)			
2821001	230J	RELOCATION CST-SECTION 481(a)-CHANGE IN METHD	48,939	PTD			48,939			
2821001	230X	R & D DEDUCTION - SEC 174	(9,342,799)	PTD			(9,342,799)			
2821001	234Q	MACRS TAX DEPRECIATION - RAIL CARS	(2,743,596)	PTD			(2,743,596)			
2821001	260A	SPARE PARTS INVENTORY	1,679,950	PTD			1,679,950			
2821001	280H	BK PLANT IN SERVICE - SFAS 143 - ARO	(22,543,542)	E	(22,543,542)					
2821001	295A	GAIN/LOSS ON ACRS/MACRS PROPERTY	(24,187,219)	PTD			(24,187,219)			
2821001	295C	GAIN/LOSS-ACRS/MACRS-BK/TX UNIT PROP	1,058,847	PTD			1,058,847			
2821001	295D	TAX LOSS ON PLANT RETIREMENTS / SALE	(1,612,881)	E	(1,612,881)					
2821001	320A	ABFUDC	(49,158,110)	PTD			(49,158,110)			
2821001	380J	INT EXP CAPITALIZED FOR TAX	77,569,408	PTD			77,569,408			
2821001	390A	CIAC - BOOK RECEIPTS	10,456,607	E	10,456,607					
2821001	510H	PROPERTY TAX-NEW METHOD-BOOK	(235,402)	PTD			(235,402)			
2821001	532A	PERCENT REPAIR ALLOWANCE	(9,076,044)	PTD			(9,076,044)			
2821001	532C	BOOK/TAX UNIT OF PROPERTY ADJ	(66,622,981)	PTD			(66,622,981)			
2821001	532D	BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	(20,312,369)	PTD			(20,312,369)			
2821001	533J	TX ACCEL AMORT - CAPITALIZED SOFTWARE	(1,669,243)	PTD			(1,669,243)			
2821001	534A	CAPITALIZED RELOCATION COSTS	(6,646,865)	PTD			(6,646,865)			
2821001	662A	WRITE-OFF RE SFAS 71	(6,708,347)	PTD			(6,708,347)			
2821001	662B	SFAS 109 WRITE-OFF RE SFAS 71	(1,726,995)	PTD			(1,726,995)			
2821001	680A	JOINT VENTURES-SYS FUEL PRJ-TX	(13,720)	E	(13,720)					
2821001	710W	BREM & HAUGH ACQUISITON ADJ-TX	3,730,949	E	3,730,949					
2821001	711N	CAPITALIZED SOFTWARE COSTS-TAX	4,397	Labor					4,397	
2821001	711O	BOOK LEASES CAPITALIZED FOR TAX	(8,763)	PTD			(8,763)			
2821001	712K	CAPITALIZED SOFTWARE COST-BOOK	(12,146,998)	Labor					(12,146,998)	
2821001	908B	BOOK OPERATING LEASE - ASSET	8,326,263	E	8,326,263					
2821001	910J	INTEREST EXPENSE - COAL CARS	(8,507,705)	E	(8,507,705)					
2821001	910K	REMOVAL CST	(50,690,045)	PTD			(50,690,045)			
2821001	910W	REMOVAL COSTS REV-SFAS 143-ARO	(6,338)	E	(6,338)					
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED	-	WS C-4	(365,445,598)	(88,561,373)				
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-AR.	(56,538,908)							
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-FERC.	(26,826,555)							
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-LA.	(184,628,798)							
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-TX.	(186,012,710)							
2821001	960F	960F-XS EXCESS ADFIT 282 UNPROTECTED	0	WS C-4	(51,676,578)	(4,771,611)				
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-AR.	(12,000,130)							
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-FERC.	(1,966,559)							
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-LA.	(18,233,966)							
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-TX.	(24,247,534)							
2821001		Forecast Adjustment	4,174,286		1,366,539	302,851	2,473,566		31,330	
<b>282.1</b>		<b>TOTAL ELECTRIC ACCOUNT SUBTOTAL</b>	<b>(1,351,647,561)</b>		<b>(425,926,003)</b>	<b>(93,030,133)</b>	<b>(820,580,154)</b>	<b>0</b>	<b>(12,111,271)</b>	
		(absolute value Total Company Amount Ties to FF1 p.275(k) -- Acct 282 Electric)								
2831001	014C-AR	NOL-STATE C/F-DEF TAX ASSET-L/T - AR	(1,134,520)	E	(1,134,520)					
2831001	014C-LA	NOL-STATE C/F-DEF TAX ASSET-L/T - LA	(8,591,810)	E	(8,591,810)					
2831001	014C-OK	NOL-STATE C/F-DEF TAX ASSET-L/T - OK	(51,101)	E	(51,101)					
2831001	575E	MTM BK GAIN-A/L-TAX DEFL	117,354	E	117,354					
2831001	575E-MJE	MTM BK GAIN-A/L-TAX DEFL - MJE	(3,333)	E	(3,333)					
2831001	605B	ACCRUED BK PENSION EXPENSE	(15,829,977)	Labor					(15,829,977)	
2831001	605C	ACCRUED BK PENSION COSTS - SFAS 158	19,933,833	E	19,933,833					
2831001	614G	PROV LA FUEL LITIGATION EXP	(0)	E	(0)					
2831001	630J	DEFD STORM DAMAGE	4	PTD			4			
2831001	630M	RATE CASE DEFD CHGS	(1,226,770)	E	(1,226,770)					
2831001	632U	BK DEFL-DEMAND SIDE MNGMT EXP	(0)	E	(0)					
2831001	638A	BOOK - TAX BASIS - EMA-A/C 283	26,437	E	26,437					
2831001	660A	TRANSITION REGULATORY ASSETS	0	E	0					
2831001	660F	REG ASSET-SFAS 143 - ARO	(1,490,276)	E	(1,490,276)					
2831001	660L	REG ASSET-DEFERRED LITIGATION COSTS	(0)	E	(0)					
2831001	661R	REG ASSET-SFAS 158 - PENSIONS	(19,933,833)	E	(19,933,833)					
2831001	661S	REG ASSET-SFAS 158 - SERP	(155,878)	E	(155,878)					
2831001	661T	REG ASSET-SFAS 158 - OPEB	(1,269,724)	E	(1,269,724)					
2831001	664A	REG ASSET-UND/REC ENVIRON ADJ CLAUSE-LA	12,677	E	12,677					
2831001	664S	REG ASSET-VEMCO EMPLOYEE RETIREMENT	0	E	0					
2831001	664U	REG ASSET-VEMCO ACQUIS/INVESTMENTS	(0)	E	(0)					
2831001	664V	REG ASSET-NET CCS FEED STUDY COSTS	(93,840)	E	(93,840)					
2831001	664X	REG ASSET-SWEP/CO/VEMCO TRANSACTION COST	(0)	E	(0)					
2831001	668P	REG ASSET-LA FRP ASSET	(25,233)	E	(25,233)					
2831001	669J	REG ASSET-ENERGY EFFICIENCY RECOVERY	(225,800)	E	(225,800)					
2831001	669X	REG ASSET-SWEP/CO SHIPE ROAD	(85,082)	E	(85,082)					
2831001	669Y	REG ASSET-2010 SEVERANCE COSTS-LA FRP	0	E	0					
2831001	670O	REG ASSET-ENVIRONMENTAL CHEMICAL COST-AR	(756,178)	E	(756,178)					
2831001	672P	REG ASSET-FACILITIES MAINT-SWEP/CO LA	(305,491)	E	(305,491)					
2831001	673J	REG ASSET-WELSH/FLINT CRK ENVIRON DEF	(4,371,470)	E	(4,371,470)					
2831001	673K	REG ASSET-WELSH/FLINT CRK ENVIRON-CONTRA	1,529,017	E	1,529,017					
2831001	673U	REG ASSET-LA 2015 FRP-SPP DEFERRAL	(780,207)	E	(780,207)					
2831001	673V	REG ASSET-LA 2015 FRP-UNREC EQUITY	42,587	E	42,587					
2831001	673Z	REG ASSET-WELSH 2 TX-UNDEPR BAL	(3,517,997)	E	(3,517,997)					
2831001	674R	REG ASSET-UNDER RECOV-EXCESS TAX ETRR	(55,590)	E	(55,590)					
2831001	690F	REG ASSET-NBV-ARO-RETIRED PLANTS	(104,229)	E	(104,229)					
2831001	711M	AMAX COAL CONTRACT-TX	0	E	0					
2831001	900A	LOSS ON REACQUIRED DEBT	(1,469,356)	PTD			(1,469,356)			
2831001	900F	BK DEFL-GAIN REACQUIRED DEBT	302	PTD			302			

2831001	906A	ACCRD SFAS 106 PST RETIRE EXP	(6,978,348)	Labor			(6,978,348)
2831001	906D	SFAS 106 PST RETIRE EXP - NON-DEDUCT CONT	3,441,111	Labor			3,441,111
2831001	906K	ACCRD SFAS 112 PST EMPLOY BEN	1,209,623	Labor			1,209,623
2831001	906Z	SFAS 106 - MEDICARE SUBSIDY - (PPACA)-REG ASSET	(597,307)	Labor			(597,307)
2831001	913Y	BK DEFL - MERGER COSTS	0	E	0		
2831001	921A	BK DEPLETION-MINERALS & RIGHTS	2,449,598	E	2,449,598		
2831001	930A	BOOK > TAX BASIS-PRTSHP INVEST	(2,668,748)	E	(2,668,748)		
2831001	940K	1988-1990 IRS AUDIT SETTLEMENT	(1,623)	E	(1,623)		
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED	0	WS C-4	10,807,072	149,463	
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-AR.	1,678,691				
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-FERC.	793,814				
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-LA.	3,400,752				
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-TX.	5,083,280				

2831001		Forecast Adjustment to 283					
<b>283.1</b>		<b>TOTAL ELECTRIC ACCOUNT SUBTOTAL</b>	<b>(32,004,643)</b>		<b>(11,930,160)</b>	<b>149,463</b>	<b>(1,469,049)</b>
		(absolute value Total Company Amount Ties to FF1 p.277(k) -- Acct 283 Electric)				<b>0</b>	<b>(18,754,897)</b>

1901001	011C-DFIT	TAX CREDIT C/F - DEF TAX ASSET	(898,797)	E	(898,797)		
1901001	011C-MJE	TAX CREDIT C/F - DEF TAX ASSET- MJE	898,797	E	898,797		
1901001	433A	PUCT FUEL O/U RECOVERY-RETAIL	(10,026)	E	(10,026)		
1901001	433B	INTEREST-FUEL OVER/UNDER RECOVERY	(0)	E	(0)		
1901001	433C	AR - FUEL OVER/UNDER RECOVERY	(2,818,041)	E	(2,818,041)		
1901001	433D	LA - FUEL OVER/UNDER RECOVERY	(0)	E	(0)		
1901001	460A	UNBILLED REVENUE	4,518,340	E	4,518,340		
1901001	520A	PROVS POSS REV REFDS-A/L	6,535,987	PTD		6,535,987	
1901001	520X	PROV FOR RATE REFUND-TAX REFORM	1,892,733	PTD		1,892,733	
1901001	520Y	PROV FOR RATE REFUND-EXCESS PROTECTED	2,416,247	PTD		2,416,247	
1901001	576F	MARK & SPREAD-DEFL-190-A/L	(0)	E	(0)		
1901001	602A	PROV WORKER'S COMP	250,772	Labor			250,772
1901001	605E	SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN	105,797	Labor			105,797
1901001	605F	ACCRD SUP EXEC RETIR PLAN COSTS-SFAS 158	155,878	E	155,878		
1901001	605I	ACCRD BK SUP. SAVINGS PLAN EXP	9,669	Labor			9,669
1901001	605J	EMPLOYER SAVINGS PLAN MATCH	0	E	0		
1901001	605K	ACCRUED BK BENEFIT COSTS	11,455	Labor			11,455
1901001	605O	ACCRUED PSI PLAN EXP	(10,867)	Labor			(10,867)
1901001	605P	STOCK BASED COMP-CAREER SHARES	1,394,533	Labor			1,394,533
1901001	610A	BK PROV UNCOLL ACCTS - ST	303,081	E	303,081		
1901001	610U	PROV-TRADING CREDIT RISK - A/L	(0)	E	(0)		
1901001	610V	PROV-FAS 157 - A/L	(1,247)	E	(1,247)		
1901001	611E	ACCRUED MINE RECLAMATION	8,803,723	E	8,803,723		
1901001	611G	DEFD COMPENSATION-BOOK EXPENSE	355,965	Labor			355,965
1901001	612Y	ACCRD COMPANYWIDE INCENTV PLAN	1,707,323	Labor			1,707,323
1901001	613C	ACCRD ENVIRONMENTAL LIAB-CURRENT	401	E	401		
1901001	613E	ACCRUED BOOK VACATION PAY	2,089,630	Labor			2,089,630
1901001	613F	ACCRD ENVIRONMENTAL LIAB-LONG TERM	401	E	401		
1901001	613K	(ICDP)-INCENTIVE COMP DEFERRAL PLAN	25,832	Labor			25,832
1901001	615A	ACCRUED INTEREST EXP -STATE	0	PTD		0	
1901001	615B	ACCRUED INTEREST-LONG-TERM - FIN 48	(432,254)	E	(432,254)		
1901001	615B-MJE	ACCRD INTRST-TAX RES-L/T-FIN 48-MJE	432,254	E	432,254		
1901001	615C	ACCRUED INTEREST-SHORT-TERM - FIN 48	0	E	0		
1901001	615E	ACCRUED STATE INCOME TAX EXP	(372,842)	E	(372,842)		
1901001	615O	BK DFL RAIL TRANS REV/EXP	60,388	E	60,388		
1901001	641I	ADVANCE RENTAL INC (CUR MO)	568,017	E	568,017		
1901001	641X	DEFERRED INCOME - DOLET HILLS MINING BUYOUT	57,310	E	57,310		
1901001	651F	DISALLOWED COSTS-TURK PLANT	10,860,148	E	10,860,148		
1901001	651H	DISALLOWED COSTS-TURK PLANT AUX BOILER	3,383,164	E	3,383,164		
1901001	651I	DISALLOWED COSTS-TX TRANS VEG MGT CST	357,052	E	357,052		
1901001	651J	DISALLOWED COSTS-TX DIST VEG MGT CST	861,751	E	861,751		
1901001	651K	DISALLOWED COSTS-TX TRANS VEG MGT CST-AMORT	(19,143)	E	(19,143)		
1901001	651M	DISALLOWED COSTS-TX DIST VEG MGT CST-AMORT	(90,284)	E	(90,284)		
1901001	651Q	DISALLOWED COSTS-TX SERP COSTS	33,705	E	33,705		
1901001	651R	DISALLOWED COSTS-TX DIST COSTS	10,252	E	10,252		
1901001	651T	DISALLOWED COSTS-TX CWIP FINBASED INCEN-TRANS	450,851	E	450,851		
1901001	651W	DISALLOWED COSTS-TX CWIP FINBASED INCEN-DIST	520,839	E	520,839		
1901001	651X	DISALLOWED COSTS-TX CWIP FINBASED INCEN-GEN	570,574	E	570,574		
1901001	651Y	DISALLOWED COSTS-TX RWIP FINBASED INCEN-TRANS	14,033	E	14,033		
1901001	651Z	DISALLOWED COSTS-TX RWIP FINBASED INCEN-DIST	23,195	E	23,195		
1901001	652G	REG LIAB-UNREAL MTM GAIN-DEFL	(278,422)	E	(278,422)		
1901001	653A	DISALLOWED COSTS-TX RWIP FINBASED INCEN-GEN	20,374	E	20,374		
1901001	701A	AMORT - GOODWILL PER BOOKS	1,271,789	E	1,271,789		
1901001	702A	GOODWILL PER TAX	(699,485)	E	(699,485)		
1901001	710H	AMORT ELEC PLT ACQ ADJS	86,560	E	86,560		
1901001	906F	ACCRD OPEB COSTS - SFAS 158	1,262,882	E	1,262,882		
1901001	906P	ACCRD BOOK ARO EXPENSE - SFAS 143	27,448,351	E	27,448,351		
1901001	908A	BOOK OPERATING LEASE - LIAB	(8,403,392)	E	(8,403,392)		
1901001	911F-FIN48	FIN 48 DSIT	0	E	0		
1901001	911S	ACCRUED SALES & USE TAX RESERVE	(457,590)	E	(457,590)		
1901001	911S	ACCRUED SALES & USE TAX RESERVE - MJE	457,590	E	457,590		
1901001	911V	ACCRD SIT TX RESERVE-LNG-TERM-FIN 48	(565,363)	E	(565,363)		
1901001	911V-MJE	ACCRD SIT TX RES-LNG-TERM-FIN 48-MJE	565,363	E	565,363		
1901001	911W	ACCRD SIT TX RESERVE-SHRT-TERM-FIN 48	0	E	0		
1901001	940A	IRS AUDIT SETTLEMENT	(0)	PTD		(0)	
1901001	940X	IRS CAPITALIZATION ADJUSTMENT	363,635	PTD		363,635	
1901001	980A	RESTRICTED STOCK PLAN	33,664	E	33,664		
1901001	980J	PSI - STOCK BASED COMP	248,378	E	248,378		
1901002	014C-AR	NOL-STATE C/F-DEF TAX ASSET-L/T - AR	5,402,475	E	5,402,475		
1901002	014C-LA	NOL-STATE C/F-DEF TAX ASSET-L/T - LA	40,913,381	E	40,913,381		
1901002	014C-OK	NOL-STATE C/F-DEF TAX ASSET-L/T - OK	243,337	E	243,337		
1901001		Forecast Adjustment	(16,579,192)		(13,877,949)	(1,616,414)	(1,084,830)

<b>190.1</b>		<b>TOTAL ELECTRIC ACCOUNT SUBTOTAL</b>	<b>96,360,931</b>		<b>81,913,464</b>	<b>0</b>	<b>9,592,189</b>
		(Total Company Amount Ties to FF1 p.234(c) -- Electric)				<b>0</b>	<b>4,855,278</b>

**AEP West SPP Member Operating Companies  
 SOUTHWESTERN ELECTRIC POWER COMPANY  
 WORKSHEET C-2 -BEGINNING OF YEAR DETAIL OF DEFERRED INCOME TAX BALANCES  
 AS OF DECEMBER 31, 2019**

Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			T&D	Labor
						100% Transmission	PTD Plant			
2821001	230A	ACRS BENEFIT NORMALIZED	(653,519,050)	PTD			(653,519,050)			
2821001	230I	CAPD INTEREST-SECTION 481(a)-CHANGE IN METHD	(763,036)	PTD			(763,036)			
2821001	230J	RELOCATION CST-SECTION 481(a)-CHANGE IN METHD	48,939	PTD			48,939			
2821001	230X	R & D DEDUCTION - SEC 174	(9,342,799)	PTD			(9,342,799)			
2821001	234Q	MACRS TAX DEPRECIATION - RAIL CARS	(2,743,596)	PTD			(2,743,596)			
2821001	260A	SPARE PARTS INVENTORY	1,679,950	PTD			1,679,950			
2821001	280H	BK PLANT IN SERVICE - SFAS 143 - ARO	(22,543,542)	E	(22,543,542)					
2821001	295A	GAIN/LOSS ON ACRS/MACRS PROPERTY	(24,187,219)	PTD			(24,187,219)			
2821001	295C	GAIN/LOSS-ACRS/MACRS-BK/TX UNIT PROP	1,058,847	PTD			1,058,847			
2821001	295D	TAX LOSS ON PLANT RETIREMENTS / SALE	(1,612,881)	E	(1,612,881)					
2821001	320A	ABFUDC	(49,158,110)	PTD			(49,158,110)			
2821001	380J	INT EXP CAPITALIZED FOR TAX	77,569,408	PTD			77,569,408			
2821001	390A	CIAC - BOOK RECEIPTS	10,456,607	E	10,456,607					
2821001	510H	PROPERTY TAX-NEW METHOD-BOOK	(235,402)	PTD			(235,402)			
2821001	532A	PERCENT REPAIR ALLOWANCE	(9,076,044)	PTD			(9,076,044)			
2821001	532C	BOOK/TAX UNIT OF PROPERTY ADJ	(66,622,981)	PTD			(66,622,981)			
2821001	532D	BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	(20,312,369)	PTD			(20,312,369)			
2821001	533J	TX ACCEL AMORT - CAPITALIZED SOFTWARE	(1,669,243)	PTD			(1,669,243)			
2821001	534A	CAPITALIZED RELOCATION COSTS	(6,646,865)	PTD			(6,646,865)			
2821001	662A	WRITE-OFF RE SFAS 71	(6,708,347)	PTD			(6,708,347)			
2821001	662B	SFAS 109 WRITE-OFF RE SFAS 71	(1,726,995)	PTD			(1,726,995)			
2821001	680A	JOINT VENTURES-SYS FUEL PRJ-TX	(13,720)	E	(13,720)					
2821001	710W	BREM & HAUGH ACQUISITON ADJ-TX	3,730,949	E	3,730,949					
2821001	711N	CAPITALIZED SOFTWARE COSTS-TAX	4,397	Labor					4,397	
2821001	711O	BOOK LEASES CAPITALIZED FOR TAX	(8,763)	PTD			(8,763)			
2821001	712K	CAPITALIZED SOFTWARE COST-BOOK	(12,146,998)	Labor					(12,146,998)	
2821001	908B	BOOK OPERATING LEASE - ASSET	8,326,263	E	8,326,263					
2821001	910J	INTEREST EXPENSE - COAL CARS	(8,507,705)	E	(8,507,705)					
2821001	910K	REMOVAL CST	(50,690,045)	PTD			(50,690,045)			
2821001	910W	REMOVAL COSTS REV-SFAS 143-ARO	(6,338)	E	(6,338)					
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED	-	WS C-4	(364,678,598)	(89,328,373)				
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-AR.	(56,538,908)							
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-FERC.	(26,826,555)							
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-LA.	(184,628,798)							
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-TX.	(186,012,710)							
2821001	960F	960F-XS EXCESS ADFIT 282 UNPROTECTED	0	WS C-4	(49,290,772)	(7,157,417)				
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-AR.	(12,000,130)							
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-FERC.	(1,966,559)							
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-LA.	(18,233,966)							
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-TX.	(24,247,534)							
2821001		Forecast Adjustment	10,486,977		3,433,130	760,846	6,214,290		78,710	
<b>282.1</b>		<b>TOTAL ELECTRIC ACCOUNT SUBTOTAL</b>	<b>(1,345,334,871)</b>		<b>(420,706,607)</b>	<b>(95,724,944)</b>	<b>(816,839,429)</b>	<b>0</b>	<b>(12,063,891)</b>	
		(absolute value Total Company Amount Ties to FF1 p.275(k) -- Acct 282 Electric)								
2831001	014C-AR	NOL-STATE C/F-DEF TAX ASSET-L/T - AR	(1,134,520)	E	(1,134,520)					
2831001	014C-LA	NOL-STATE C/F-DEF TAX ASSET-L/T - LA	(8,591,810)	E	(8,591,810)					
2831001	014C-OK	NOL-STATE C/F-DEF TAX ASSET-L/T - OK	(51,101)	E	(51,101)					
2831001	575E	MTM BK GAIN-A/L-TAX DEFL	117,354	E	117,354					
2831001	575E-MJE	MTM BK GAIN-A/L-TAX DEFL - MJE	(3,333)	E	(3,333)					
2831001	605B	ACCRUED BK PENSION EXPENSE	(15,829,977)	Labor					(15,829,977)	
2831001	605C	ACCRUED BK PENSION COSTS - SFAS 158	19,933,833	E	19,933,833					
2831001	614G	PROV LA FUEL LITIGATION EXP	(0)	E	(0)					
2831001	630J	DEFD STORM DAMAGE	4	PTD			4			
2831001	630M	RATE CASE DEFD CHGS	(1,226,770)	E	(1,226,770)					
2831001	632U	BK DEFL-DEMAND SIDE MNGMT EXP	(0)	E	(0)					
2831001	638A	BOOK > TAX BASIS - EMA-A/C 283	26,437	E	26,437					
2831001	660A	TRANSITION REGULATORY ASSETS	0	E	0					
2831001	660F	REG ASSET-SFAS 143 - ARO	(1,490,276)	E	(1,490,276)					
2831001	660L	REG ASSET-DEFERRED LITIGATION COSTS	(0)	E	(0)					
2831001	661R	REG ASSET-SFAS 158 - PENSIONS	(19,933,833)	E	(19,933,833)					
2831001	661S	REG ASSET-SFAS 158 - SERP	(155,878)	E	(155,878)					
2831001	661T	REG ASSET-SFAS 158 - OPEB	(1,269,724)	E	(1,269,724)					
2831001	664A	REG ASSET-UND/REC ENVIRON ADJ CLAUSE-LA	12,677	E	12,677					
2831001	664S	REG ASSET-VEMCO EMPLOYEE RETIREMENT	0	E	0					
2831001	664U	REG ASSET-VEMCO ACQUIS/INVESTMENTS	(0)	E	(0)					
2831001	664V	REG ASSET-NET CCS FEED STUDY COSTS	(93,840)	E	(93,840)					
2831001	664X	REG ASSET-SWEP/CO/VEMCO TRANSACTION COST	(0)	E	(0)					
2831001	668P	REG ASSET-LA FRP ASSET	(25,233)	E	(25,233)					
2831001	669J	REG ASSET-ENERGY EFFICIENCY RECOVERY	(225,800)	E	(225,800)					
2831001	669X	REG ASSET-SWEP/CO SHIPE ROAD	(85,082)	E	(85,082)					
2831001	669Y	REG ASSET-2010 SEVERANCE COSTS-LA FRP	0	E	0					
2831001	670O	REG ASSET-ENVIRONMENTAL CHEMICAL COST-AR	(756,178)	E	(756,178)					
2831001	672P	REG ASSET-FACILITIES MAINT-SWEP/CO LA	(305,491)	E	(305,491)					
2831001	673J	REG ASSET-WELSH/FLINT CRK ENVIRON DEF	(4,371,470)	E	(4,371,470)					
2831001	673K	REG ASSET-WELSH/FLINT CRK ENVIRON-CONTRA	1,529,017	E	1,529,017					
2831001	673U	REG ASSET-LA 2015 FRP-SPP DEFERRAL	(780,207)	E	(780,207)					
2831001	673V	REG ASSET-LA 2015 FRP-UNREC EQUITY	42,587	E	42,587					
2831001	673Z	REG ASSET-WELSH 2 TX-UNDEPR BAL	(3,517,997)	E	(3,517,997)					
2831001	674R	REG ASSET-UNDER RECOV-EXCESS TAX ETRR	(55,590)	E	(55,590)					
2831001	690F	REG ASSET-NBV-ARO-RETIRED PLANTS	(104,229)	E	(104,229)					
2831001	711M	AMAX COAL CONTRACT-TX	0	E	0					
2831001	900A	LOSS ON REACQUIRED DEBT	(1,469,356)	PTD			(1,469,356)			
2831001	900F	BK DEFL-GAIN REACQUIRED DEBT	302	PTD			302			
2831001	906A	ACCRD SFAS 106 PST RETIRE EXP	(6,978,348)	Labor					(6,978,348)	
2831001	906D	SFAS 106 PST RETIRE EXP - NON-DEDUCT CONT	3,441,111	Labor					3,441,111	
2831001	906K	ACCRD SFAS 112 PST EMPLOY BEN	1,209,623	Labor					1,209,623	

2831001	906Z	SFAS 106 - MEDICARE SUBSIDY - (PPACA)-REG ASSET	(597,307)	Labor		
2831001	913Y	BK DEFL - MERGER COSTS	0	E	0	
2831001	921A	BK DEPLETION-MINERALS & RIGHTS	2,449,598	E	2,449,598	
2831001	930A	BOOK > TAX BASIS-PRTSHP INVEST	(2,668,748)	E	(2,668,748)	
2831001	940K	1988-1990 IRS AUDIT SETTLEMENT	(1,623)	E	(1,623)	
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED	0	WS C-4	10,732,341	224,195
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-AR.	1,678,691			
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-FERC.	793,814			
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-LA.	3,400,752			
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-TX.	5,083,280			

2831001		Forecast Adjustment to 283				
<b>283.1</b>		<b>TOTAL ELECTRIC ACCOUNT SUBTOTAL</b>	<b>(32,004,643)</b>		<b>(12,004,891)</b>	<b>224,195</b>
		(absolute value Total Company Amount Ties to FF1 p.277(k) -- Acct 283 Electric)				<b>(1,469,049)</b>
						<b>0</b>
						<b>(18,754,897)</b>

1901001	011C-DFIT	TAX CREDIT C/F - DEF TAX ASSET	(898,797)	E	(898,797)	
1901001	011C-MJE	TAX CREDIT C/F - DEF TAX ASSET- MJE	898,797	E	898,797	
1901001	433A	PUCT FUEL O/U RECOVERY-RETAIL	(10,026)	E	(10,026)	
1901001	433B	INTEREST-FUEL OVER/UNDER RECOVERY	(0)	E	(0)	
1901001	433C	AR - FUEL OVER/UNDER RECOVERY	(2,818,041)	E	(2,818,041)	
1901001	433D	LA - FUEL OVER/UNDER RECOVERY	(0)	E	(0)	
1901001	460A	UNBILLED REVENUE	4,518,340	E	4,518,340	
1901001	520A	PROVS POSS REV REFDS-A/L	6,535,987	PTD		6,535,987
1901001	520X	PROV FOR RATE REFUND-TAX REFORM	1,892,733	PTD		1,892,733
1901001	520Y	PROV FOR RATE REFUND-EXCESS PROTECTED	2,416,247	PTD		2,416,247
1901001	576F	MARK & SPREAD-DEFL-190-A/L	(0)	E	(0)	
1901001	602A	PROV WORKER'S COMP	250,772	Labor		250,772
1901001	605E	SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN	105,797	Labor		105,797
1901001	605F	ACCRD SUP EXEC RETIR PLAN COSTS-SFAS 158	155,878	E	155,878	
1901001	605I	ACCRD BK SUP. SAVINGS PLAN EXP	9,669	Labor		9,669
1901001	605J	EMPLOYER SAVINGS PLAN MATCH	0	E	0	
1901001	605K	ACCRUED BK BENEFIT COSTS	11,455	Labor		11,455
1901001	605O	ACCRUED PSI PLAN EXP	(10,867)	Labor		(10,867)
1901001	605P	STOCK BASED COMP-CAREER SHARES	1,394,533	Labor		1,394,533
1901001	610A	BK PROV UNCOLL ACCTS - ST	303,081	E	303,081	
1901001	610U	PROV-TRADING CREDIT RISK - A/L	(0)	E	(0)	
1901001	610V	PROV-FAS 157 - A/L	(1,247)	E	(1,247)	
1901001	611E	ACCRUED MINE RECLAMATION	8,803,723	E	8,803,723	
1901001	611G	DEFD COMPENSATION-BOOK EXPENSE	355,965	Labor		355,965
1901001	612Y	ACCRD COMPANYWIDE INCENTV PLAN	1,707,323	Labor		1,707,323
1901001	613C	ACCRD ENVIRONMENTAL LIAB-CURRENT	401	E	401	
1901001	613E	ACCRUED BOOK VACATION PAY	2,089,630	Labor		2,089,630
1901001	613F	ACCRD ENVIRONMENTAL LIAB-LONG TERM	401	E	401	
1901001	613K	(ICDP)-INCENTIVE COMP DEFERRAL PLAN	25,832	Labor		25,832
1901001	615A	ACCRUED INTEREST EXP -STATE	0	PTD		0
1901001	615B	ACCRUED INTEREST-LONG-TERM - FIN 48	(432,254)	E	(432,254)	
1901001	615B-MJE	ACCRD INTRST-TAX RES-L/T-FIN 48-MJE	432,254	E	432,254	
1901001	615C	ACCRUED INTEREST-SHORT-TERM - FIN 48	0	E	0	
1901001	615E	ACCRUED STATE INCOME TAX EXP	(372,842)	E	(372,842)	
1901001	615O	BK DFL RAIL TRANS REV/EXP	60,388	E	60,388	
1901001	641I	ADVANCE RENTAL INC (CUR MO)	568,017	E	568,017	
1901001	641X	DEFERRED INCOME - DOLET HILLS MINING BUYOUT	57,310	E	57,310	
1901001	651F	DISALLOWED COSTS-TURK PLANT	10,860,148	E	10,860,148	
1901001	651H	DISALLOWED COSTS-TURK PLANT AUX BOILER	3,383,164	E	3,383,164	
1901001	651I	DISALLOWED COSTS-TX TRANS VEG MGT CST	357,052	E	357,052	
1901001	651J	DISALLOWED COSTS-TX DIST VEG MGT CST	861,751	E	861,751	
1901001	651K	DISALLOWED COSTS-TX TRANS VEG MGT CST-AMORT	(19,143)	E	(19,143)	
1901001	651M	DISALLOWED COSTS-TX DIST VEG MGT CST-AMORT	(90,284)	E	(90,284)	
1901001	651Q	DISALLOWED COSTS-TX SERP COSTS	33,705	E	33,705	
1901001	651R	DISALLOWED COSTS-TX DIST COSTS	10,252	E	10,252	
1901001	651T	DISALLOWED COSTS-TX CWIP FINBASED INCEN-TRANS	450,851	E	450,851	
1901001	651W	DISALLOWED COSTS-TX CWIP FINBASED INCEN-DIST	520,839	E	520,839	
1901001	651X	DISALLOWED COSTS-TX CWIP FINBASED INCEN-GEN	570,574	E	570,574	
1901001	651Y	DISALLOWED COSTS-TX RWIP FINBASED INCEN-TRANS	14,033	E	14,033	
1901001	651Z	DISALLOWED COSTS-TX RWIP FINBASED INCEN-DIST	23,195	E	23,195	
1901001	652G	REG LIAB-UNREAL MTM GAIN-DEFL	(278,422)	E	(278,422)	
1901001	653A	DISALLOWED COSTS-TX RWIP FINBASED INCEN-GEN	20,374	E	20,374	
1901001	701A	AMORT - GOODWILL PER BOOKS	1,271,789	E	1,271,789	
1901001	702A	GOODWILL PER TAX	(699,485)	E	(699,485)	
1901001	710H	AMORT ELEC PLT ACQ ADJS	86,560	E	86,560	
1901001	906F	ACCRD OPEB COSTS - SFAS 158	1,262,882	E	1,262,882	
1901001	906P	ACCRD BOOK ARO EXPENSE - SFAS 143	27,448,351	E	27,448,351	
1901001	908A	BOOK OPERATING LEASE - LIAB	(8,403,392)	E	(8,403,392)	
1901001	911F-FIN48	FIN 48 DSIT	0	E	0	
1901001	911S	ACCRUED SALES & USE TAX RESERVE	(457,590)	E	(457,590)	
1901001	911S	ACCRUED SALES & USE TAX RESERVE - MJE	457,590	E	457,590	
1901001	911V	ACCRD SIT TX RESERVE-LNG-TERM-FIN 48	(565,363)	E	(565,363)	
1901001	911V-MJE	ACCRD SIT TX RES-LNG-TERM-FIN 48-MJE	565,363	E	565,363	
1901001	911W	ACCRD SIT TX RESERVE-SHRT-TERM-FIN 48	0	E	0	
1901001	940A	IRS AUDIT SETTLEMENT	(0)	PTD		(0)
1901001	940X	IRS CAPITALIZATION ADJUSTMENT	363,635	PTD		363,635
1901001	980A	RESTRICTED STOCK PLAN	33,664	E	33,664	
1901001	980J	PSI - STOCK BASED COMP	248,378	E	248,378	
1901002	014C-AR	NOL-STATE C/F-DEF TAX ASSET-L/T - AR	5,402,475	E	5,402,475	
1901002	014C-LA	NOL-STATE C/F-DEF TAX ASSET-L/T - LA	40,913,381	E	40,913,381	
1901002	014C-OK	NOL-STATE C/F-DEF TAX ASSET-L/T - OK	243,337	E	243,337	
1901001		Forecast Adjustment	(18,691,986)		(15,646,505)	(1,822,404)

<b>190.1</b>		<b>TOTAL ELECTRIC ACCOUNT SUBTOTAL</b>	<b>94,248,137</b>		<b>80,144,907</b>	<b>0</b>
		(Total Company Amount Ties to FF1 p.234(c) -- Electric)				<b>9,386,199</b>
						<b>0</b>
						<b>4,717,031</b>



**AEP West SPP Member Operating Companies**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**  
**WORKSHEET C-3 -PRORATION OF PROPERTY-RELATED DEFERRED INCOME TAX BALANCES**  
**AS OF DECEMBER 31, 2020**

Note: This workpaper documents the calculation of the rate base adjustment to prorate forecasted activity in ADIT required by IRS regulation Section 1.167(l)-(h)(6)(ii) when preparing forecasted rates. This worksheet is not used during Annual True-Ups. Proratable activity in Account 282 results from the use of accelerated tax depreciation on additions to plant in service. The adjustment on line 19 is included on Worksheet C as a reduction to the ending forecasted ADIT balance of account 282. A proration adjustment for account 190, if any, will be calculated beginning on line 20.

**Account 282 Proration Adjustment**

	Source	
1 Rate Year ending balance (Note 1)	WS C-1	(1,351,647,561)
2 Rate Year beginning balance (Note 1)	WS C-2	(1,345,334,871)
3 Annual forecasted change	Line 1 less Line 2	(6,312,690)
4 Monthly forecasted change	Line 3 / 12	(526,058)

Line	(A) Future Test Period	(B) Proratable Deferred Tax Activity	(C) Deferred Tax Balance	(D) Days in Month	(E) Number of Days Left in Period	(F) Proration Amount	(G) Prorated Item	(H) Prorated Balance	
5	Beginning Balance	(1,345,334,871)	(1,345,334,871)		365	100.00%	(1,345,334,871)	(1,345,334,871)	
6	January (line 4)	(526,058)	(1,345,860,928)	31	335	91.78%	(482,820)	(1,345,817,691)	
7	February	(526,058)	(1,346,386,986)	28	307	84.11%	(442,465)	(1,346,260,156)	
8	March	(526,058)	(1,346,913,043)	31	276	75.62%	(397,786)	(1,346,657,942)	
9	April	(526,058)	(1,347,439,101)	30	246	67.40%	(354,548)	(1,347,012,490)	
10	May	(526,058)	(1,347,965,159)	31	215	58.90%	(309,870)	(1,347,322,359)	
11	June	(526,058)	(1,348,491,216)	30	185	50.68%	(266,632)	(1,347,588,991)	
12	July	(526,058)	(1,349,017,274)	31	154	42.19%	(221,953)	(1,347,810,944)	
13	August	(526,058)	(1,349,543,331)	31	123	33.70%	(177,274)	(1,347,988,219)	
14	September	(526,058)	(1,350,069,389)	30	93	25.48%	(134,037)	(1,348,122,255)	
15	October	(526,058)	(1,350,595,446)	31	62	16.99%	(89,358)	(1,348,211,613)	
16	November	(526,058)	(1,351,121,504)	30	32	8.77%	(46,120)	(1,348,257,733)	
17	December	(526,058)	(1,351,647,561)	31	1	0.27%	(1,441)	(1,348,259,174)	
18	Ending Balance		(1,351,647,561)					(1,348,259,174)	
19	Proration Adjustment - Line 18 Col. (H) less Col. (C)							\$	3,388,387

**Account 190 Proration Adjustment**

	Source	
20 Rate Year ending balance	WS C-1	-
21 Rate Year beginning balance	WS C-2	-
22 Annual forecasted change	Line 20 less Line 21	0
23 Monthly forecasted change	Line 22 / 12	0

Line	(A) Future Test Period	(B) Proratable Deferred Tax Activity	(C) Deferred Tax Balance	(D) Days in Month	(E) Number of Days Left in Period	(F) Proration Amount	(G) Prorated Item	(H) Prorated Balance	
24	Beginning Balance	-	-		365	100.00%	-	-	
25	January (line 4)	-	-	31	335	91.78%	-	-	
26	February	-	-	28	307	84.11%	-	-	
27	March	-	-	31	276	75.62%	-	-	
28	April	-	-	30	246	67.40%	-	-	
29	May	-	-	31	215	58.90%	-	-	
30	June	-	-	30	185	50.68%	-	-	
31	July	-	-	31	154	42.19%	-	-	
32	August	-	-	31	123	33.70%	-	-	
33	September	-	-	30	93	25.48%	-	-	
34	October	-	-	31	62	16.99%	-	-	
35	November	-	-	30	32	8.77%	-	-	
36	December	-	-	31	1	0.27%	-	-	
37	Ending Balance		-					-	
38	Proration Adjustment - Line 37 Col. (H) less Col. (C)							\$	-

**Notes**

1 Amounts to be prorated include only line items related to the difference between book and tax depreciation expense. This includes the line item labeled 230A, and any other such items

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet C-4 - Excess Deferred Federal Income Taxes**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

NOTES

Include only excess DFIT recorded in accounts which are included in the formula rate cost of service. These include one or more subaccounts within accounts 190.1, 282.1, and 283.1.

Line	(A)	(B)	(C)	(D)	(E)	(F)	(G)
<b>Unprotected ADIT Balances</b>							
		Source	Total	1901001	2821001	2831001	XXXXXXX XXXXXXX
1	Balance per Books- Transmission Function only (190 enter positive, 282/283 enter negative)	Company records	(11,555,369)	-	(11,929,028)	373,659	
2	Settlement Amortization period	ER18-194/195 Settlement		5	5	5	5
3	Annual Transmission Function Amortization	Line 1 / Line 2	(2,311,074)	-	(2,385,806)	74,732	-
4	Rate Year Beginning Accumulated Amortization	Company records	(4,622,148)	-	(4,771,611)	149,463	
5	Rate year Ending Accumulated Amortization	Line 3 + Line 4	(6,933,221)	-	(7,157,417)	224,195	-
6	Rate Year Beginning Balance Per Books - Total Company	WS C-2 960F XS Unprotected	(45,491,653)	-	(56,448,189)	10,956,536	
7	Rate Year Beginning Included Balance - 100% Transmission Function net of amortization	Line 1 - Line 4	(6,933,221)	-	(7,157,417)	224,195	-
8	Worksheet C-2 Rate Base Excluded Balance	Line 6 - Line 7	(38,558,432)	-	(49,290,772)	10,732,341	-
9	Rate Year Ending Balance Per Books - Total Company	WS C-1 960F XS Unprotected	(45,491,653)	-	(56,448,189)	10,956,536	
10	Rate Year Ending Included Balance - 100% Transmission Function net of amortization	Line 1 - Line 5	(4,622,148)	-	(4,771,611)	149,463	-
11	Worksheet C-1 Rate Base Excluded Balance	Line 9 - Line 10	(40,869,505)	-	(51,676,578)	10,807,072	-
<b>Protected ADIT Balances</b>							
		Source	Total	2821001	XXXXXXX	XXXXXXX	
12	Balance per Books- Transmission Function only (190 enter positive, 282/283 enter negative)	Company records	(91,732,939)	(91,732,939)			
13	Annual Transmission Function Amortization	Company records	(767,000)	(767,000)			
14	Beginning Accumulated Amortization	Company records	(2,404,566)	(2,404,566)			
15	Ending Accumulated Amortization	Line 13 + Line 14	(3,171,566)	(3,171,566)	-		
16	WS C-2 Beginning Balance Per Books - Total Company	WS C-2 960F XS Protected	(454,006,971)	(454,006,971)			
17	Rate Year Ending Included Balance - 100% Transmission Function net of amortization	Line 12 - Line 14	(89,328,373)	(89,328,373)	-	-	
18	Worksheet C-2 Rate Base Excluded Balance	Line 16 - Line 17	(364,678,598)	(364,678,598)	-	-	
19	WS C-1 Ending Balance Net of Accumulated Amortization Per Books - Total Company	WS C-1 960F XS Protected	(454,006,971)	(454,006,971)			
20	Rate Year Ending Included Balance - 100% Transmission Function net of amortization	Line 12 - Line 15	(88,561,373)	(88,561,373)	-	-	
21	Worksheet C-1 Rate Base Excluded Balance	Line 19 - Line 20	(365,445,598)	(365,445,598)	-	-	
<b>Annual Amortization of Excess ADIT</b>							
22	Unprotected	Line 3	(2,311,074)				
23	Protected	Line 13	(767,000)				
24	Total	Line 22 + Line 23	(3,078,074)				

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet D - Materials and Supplies and Prepayments**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
<b>Materials &amp; Supplies</b>								
<u>Line Number</u>	<u>Source</u>			<u>Beginning/Ending Average Balance for Rate Year</u>				
1	Transmission Materials & Supplies	WS D, p. 2 of 2, Col. (D), line 1		167,005				
2	General Materials & Supplies	WS D, p. 2 of 2, Col. (D), line 2		108,356				
3	Stores Expense (Undistributed) - Account 163	WS D, p. 2 of 2, Col. (D), line 3		0				
<b>Prepayments Account 165</b>								
<u>Line Number</u>	<u>Acc. No.</u>	<u>Description</u>	<u>Beginning/Ending Average balance Source - Page 2 of 2, Col (D)</u>	<u>Excludable Balances</u>	<u>100% Transmission Related</u>	<u>Plant Related</u>	<u>Labor Related</u>	<u>Explanation</u>
4	1650001	Prepaid Insurance	2,080,101			966,057	1,114,044	Crime Liability, Fiduciary Liability, Directors & Officers Liability, Casualty Broker Fee, Casualty Excess Public Liability, Property Ins, Cyber Liability and Workers Compensation Liability.
5	1650004	Prepaid Interest	0					
6	1650005	Prepaid Employee Benefits	0	0				HSA Seed Monies
7	1650006	Other Prepayments	17,448,235	17,448,235				Prepaid Royalty Pmts to Coal Leaseholders, Stall Prepaid agreement fees, NERC Assessment fees, Prepayment to SWEPCO Transmission for 345KV line relocation in North Area and Customer Alert Prepaid for outage program.
8	1650009	Prepaid Carry Cost	265,241	265,241				Prepaid carrying costs
9	1650010	Prepaid Pension Benefits	83,668,037				83,668,037	Prefunded Pension Expense - FAS 87
10	165001118	Prepaid Sales Taxes	1,234,613			1,234,613		Prepaid Sales Taxes
11	165001218	Prepaid Use Taxes	15,926			15,926		Prepaid Use Taxes
12	165001318	Prepaid Local Franchise Taxes	84,682	84,682				Prepaid Local Franchise Taxes
13	1650014	FAS 158 Qual Contra Asset	(83,668,037)	(83,668,037)				LT portion of the FAS 158 Projected Benefit Obligation for the Qualified Pension Plan when the net plan is still prepaid - offset a/c 1650010.
14	1650016	FAS 112 ASSETS	0					Overfunding of FAS112 - offset account 2283005.
15	1650017	Prepayment - Coal	0	0				Prepayment - Coal
16	1650021	Prepaid Insurance - EIS	1,918,289	0		735,099	1,183,190	EIS Excess Liability Ins, EIS Property Ins and EIS Boiler Inspection Service Fee.
17	1650023	Prepaid Leases	311,342	311,342			0	Prepaid Lease
18	1650029	Future Wetland Credits - Long Term	469,554	469,554			0	Dolet Hills Future Wetlands Credit - LT
19	1650030	Other Prepayments - Long Term	3,058,602	3,058,602			0	
20	1650031	Prepaid OCIP Work Comp	0				0	
21	1650032	Prepaid OCIP Work Comp-Long Term	0				0	
22	1650033	Prepaid OCIP Work Comp-Affiliated	0				0	
23	1650034	Prepaid OCIP Work Comp-Affiliated Long Term	0	0				
24	1650035	PRW Without MED-D Benefits	23,527,840	0			23,527,840	FAS158 Post Retirement Welfare (PRW) Excluding the effect of the Med-D Subsidy.
25	1650036	PRW for Med-D Benefits	0	0				
26	1650037	FAS158 Contra-PRW Exclude Med-D	(23,527,840)	(23,527,840)				Contra Acct - FAS158 Post Retirement Welfare (PRW) Excluding the effect of the Med-D Subsidy.
27								
28								
29			26,886,584	(85,558,223)	0	2,951,695	109,493,112	

Note 1: Prepayment Balance will not include: (i) federal and state income tax payments made to offset additional tax liabilities resulting (or expected to result) from prior federal or state audits or from the filing of one or more amended income tax returns; (ii) outstanding income tax refunds due to the company resulting (or expected to result) from prior federal or state audits or from the filing of one or more amended income tax returns; or (iii) prepayments of federal or state income taxes which are attributable to income earned during periods prior to January 1 of the year depicted in the Balance Sheet (as described in USofA Account 236).

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
 Worksheet D - Materials and Supplies and Prepayments  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
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**Materials & Supplies**

		Monthly Balances														
Line Number	Description	Source - December Balances	13 Month Average	December 2019	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020
1	Transmission Materials & Supplies	FF1, p. 227, In 8, Col. (c & b)	167,005	167,005	167,005	167,005	167,005	167,005	167,005	167,005	167,005	167,005	167,005	167,005	167,005	167,005
2	General Materials & Supplies	FF1, p. 227, In 11, Col. (c & b)	108,356	108,356	108,356	108,356	108,356	108,356	108,356	108,356	108,356	108,356	108,356	108,356	108,356	108,356
3	Stores Expense (Undistributed) - Account 163	FF1, p. 227, In 16, Col. (c & b)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Prepayments Account 165**

Line item balances obtained from Company Records

		Monthly Balances														
Line Number	Acc. No.	Description	13 Month Average	December 2019	January 2020	February 2020	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020
4	1650001	Prepaid Insurance	2,080,101	2,080,101	2,080,101	2,080,101	2,080,101	2,080,101	2,080,101	2,080,101	2,080,101	2,080,101	2,080,101	2,080,101	2,080,101	2,080,101
5	1650004	Prepaid Interest	-	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1650005	Prepaid Employee Benefits	-	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1650006	Other Prepayments	17,448,235	17,448,235	17,448,235	17,448,235	17,448,235	17,448,235	17,448,235	17,448,235	17,448,235	17,448,235	17,448,235	17,448,235	17,448,235	17,448,235
8	1650009	Prepaid Carry Cost	265,241	265,241	265,241	265,241	265,241	265,241	265,241	265,241	265,241	265,241	265,241	265,241	265,241	265,241
9	1650010	Prepaid Pension Benefits	83,668,037	83,668,037	83,668,037	83,668,037	83,668,037	83,668,037	83,668,037	83,668,037	83,668,037	83,668,037	83,668,037	83,668,037	83,668,037	83,668,037
10	165001118	Prepaid Sales Taxes	1,234,613	1,234,613	1,234,613	1,234,613	1,234,613	1,234,613	1,234,613	1,234,613	1,234,613	1,234,613	1,234,613	1,234,613	1,234,613	1,234,613
11	165001218	Prepaid Use Taxes	15,926	15,926	15,926	15,926	15,926	15,926	15,926	15,926	15,926	15,926	15,926	15,926	15,926	15,926
12	165001318	Prepaid Local Franchise Taxes	84,682	84,682	84,682	84,682	84,682	84,682	84,682	84,682	84,682	84,682	84,682	84,682	84,682	84,682
13	1650014	FAS 158 Qual Contra Asset	(83,668,037)	(83,668,037)	(83,668,037)	(83,668,037)	(83,668,037)	(83,668,037)	(83,668,037)	(83,668,037)	(83,668,037)	(83,668,037)	(83,668,037)	(83,668,037)	(83,668,037)	(83,668,037)
14	1650016	FAS 112 ASSETS	-	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1650017	Prepayment - Coal	-	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1650021	Prepaid Insurance - EIS	1,918,289	1,918,289	1,918,289	1,918,289	1,918,289	1,918,289	1,918,289	1,918,289	1,918,289	1,918,289	1,918,289	1,918,289	1,918,289	1,918,289
17	1650023	Prepaid Leases	311,342	311,342	311,342	311,342	311,342	311,342	311,342	311,342	311,342	311,342	311,342	311,342	311,342	311,342
18	1650029	Future Wetland Credits - Long Term	469,554	469,554	469,554	469,554	469,554	469,554	469,554	469,554	469,554	469,554	469,554	469,554	469,554	469,554
19	1650030	Other Prepayments - Long Term	3,058,602	3,058,602	3,058,602	3,058,602	3,058,602	3,058,602	3,058,602	3,058,602	3,058,602	3,058,602	3,058,602	3,058,602	3,058,602	3,058,602
20	1650031	Prepaid OCIP Work Comp	-	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1650032	Prepaid OCIP Work Comp-Long Term	-	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1650033	Prepaid OCIP Work Comp-Affiliated	-	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1650034	Prepaid OCIP Work Comp-Affiliated Long Term	-	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1650035	PRW Without MED-D Benefits	23,527,840	23,527,840	23,527,840	23,527,840	23,527,840	23,527,840	23,527,840	23,527,840	23,527,840	23,527,840	23,527,840	23,527,840	23,527,840	23,527,840
25	1650036	PRW for Med-D Benefits	-	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1650037	FAS158 Contra-PRW Exclude Med-D	(23,527,840)	(23,527,840)	(23,527,840)	(23,527,840)	(23,527,840)	(23,527,840)	(23,527,840)	(23,527,840)	(23,527,840)	(23,527,840)	(23,527,840)	(23,527,840)	(23,527,840)	(23,527,840)
27																
28																
29	<b>Total - December Balances tie to Form 1, p 111.57.c and d</b>			26,886,584	26,886,584	26,886,584	26,886,584	26,886,584	26,886,584	26,886,584	26,886,584	26,886,584	26,886,584	26,886,584	26,886,584	26,886,584

Note 1: Prepayment Balance will not include: (i) federal and state income tax payments made to offset additional tax liabilities resulting (or expected to result) from prior federal or state audits or from the filing of one or more amended income tax returns; (ii) outstanding income tax refunds due to the company resulting (or expected to result) from prior federal or state audits or from the filing of one or more amended income tax returns; or (iii) prepayments of federal or state income taxes which are attributable to income earned during periods prior to January 1 of the year depicted in the Balance Sheet (as described in USofA Account 236).

AEP West SPP Member Operating Companies  
Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet E - IPP Credits**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) 2020</u>
1	Net Funds from IPP Customers @ 12/31/2019 (2020 FORM 1, P269, (B))	25,261,807
2	Interest Accrual (Company Records)	-
3	Revenue Credits to Generators (Company Records)	(121,567)
4	<u>Other Adjustments (Company Records)</u>	
5	Accounting Adjustment	-
6		
7	Net Funds from IPP Customers 12/31/2020 (2020 FORM 1, P269, (F))	25,140,240
8	Average Balance for 2020 ((In 1 + In 7)/2)	25,201,024

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet F - Calculation of PROJECTED Annual Revenue Requirement for Base Plan and Special-Billed Projects**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

**I. Calculate Return and Income Taxes with 0 basis point ROE increase for Projects Qualified for Incentive.**

**A. Determine 'R' with hypothetical 0 basis point increase in ROE for Identified Projects**

1	ROE w/o incentives (TCOS, In 143)			10.50%
2	Project ROE Incentive Adder (Enter as whole number)		-	basis points
3	ROE with additional 0 basis point incentive			10.50% <==Incentive ROE
4	Determine R (cost of long term debt, cost of preferred stock and percent is from TCOS, Ins 141 through 143)			
5		%	Cost	Weighted cost
6	Long Term Debt	51.31%	4.31%	2.21%
7	Preferred Stock	0.00%	0.00%	0.00%
8	Common Stock	48.69%	10.50%	5.11%
9			R =	7.33%

**B. Determine Return using 'R' with hypothetical 0 basis point ROE increase for Identified Projects.**

10	Rate Base (TCOS, In 63)	1,189,112,120
11	R (from A. above)	0.0733
12	Return (Rate Base x R)	87,111,156

**C. Determine Income Taxes using Return with hypothetical 0 basis point ROE increase for Identified Projects.**

13	Return (from B. above)	87,111,156
14	Tax Rate (TCOS, In 99)	24.70%
15	EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =	22.89%
16	Income Tax Calculation (Return x EIT)	19,936,887
17	ITC Adjustment (TCOS, In 108)	(260,188)
18	Excess DFIT Adjustment (TCOS, In 109)	(4,087,595)
19	Tax Effect of Permanent and Flow Through Differences (TCOS, In 110)	189,936
20	Income Taxes	15,779,039

**II. Calculate Net Plant Carrying Charge Rate (Fixed Charge Rate or FCR) with hypothetical 0 basis point ROE increase.**

**A. Determine Net Revenue Requirement less return and Income Taxes.**

21	Net Revenue Requirement (TCOS, In 117)	197,714,104
22	Return (TCOS, In 112)	87,111,156
23	Income Taxes (TCOS, In 111)	15,779,039
24	Gross Margin Taxes (TCOS, In 116)	79,920
25	Net Revenue Requirement, Less Return and Taxes	94,743,989

**B. Determine Net Revenue Requirement with hypothetical 0 basis point increase in ROE.**

26	Net Revenue Requirement, Less Return and Taxes	94,743,989
27	Return (from I.B. above)	87,111,156
28	Income Taxes (from I.C. above)	15,779,039
29	Net Revenue Requirement, with 0 Basis Point ROE increase	197,634,185
30	Gross Margin Tax with Basis Point ROE Increase (II C. below)	172,483
31	Revenue Requirement w/ Gross Margin Taxes	197,806,668
32	Less: Depreciation (TCOS, In 86)	49,241,744
33	Net Rev. Req, w/0 Basis Point ROE increase, less Depreciation	148,564,924

**C. Determine Gross Margin Tax with hypothetical 0 basis point increase in ROE.**

34	Net Revenue Requirement before Gross Margin Taxes, with 0	197,634,185
35	Basis Point ROE increase (II B. above)	
36	Apportionment Factor to Texas (Worksheet K, In 12)	39.63%
37	Apportioned Texas Revenues	78,332,246
38	Taxable Percentage of Revenue	22%
39	Taxable, Apportioned Margin	17,233,094
40	Texas Gross Margin Tax Rate	1%
41	Texas Gross Margin Tax Expense	172,331
42	Gross-up Required for Gross Margin Tax Expense	152
43	Total Additional Gross Margin Tax Revenue Requirement	172,483

**D. Determine FCR with hypothetical 0 basis point ROE increase.**

44	Net Transmission Plant (TCOS, In 37)	1,450,839,891
45	Net Revenue Requirement, with 0 Basis Point ROE increase	197,806,668
46	FCR with 0 Basis Point increase in ROE	13.63%
47	Net Rev. Req, w / 0 Basis Point ROE increase, less Dep.	148,564,924
48	FCR with 0 Basis Point ROE increase, less Depreciation	10.24%
49	FCR less Depreciation (TCOS, In 10)	10.23%
50	Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.01%

**III. Calculation of Composite Depreciation Rate**

51	Transmission Plant Average Balance for 2020 (WS A-1 Ln 14 Col (d))	2,046,255,920
52	Annual Depreciation Expense (TCOS, In 86)	50,517,916
53	Composite Depreciation Rate	2.47%
54	Depreciable Life for Composite Depreciation Rate	40.51
55	Round to nearest whole year	41

Note: Worksheets F and G are both populated from the TCOS worksheet every update. Worksheet F is only used in Projections. Worksheet G is used only in True-Ups. These worksheets add up all of the individual SPP Base Plan projects, Requested Upgrades, Economic Upgrades, or any other projects billed by SPP through other than the NITS rate.

SUMMARY OF PROJECTED ANNUAL BASE PLAN AND NON-BASE PLAN REVENUE REQUIREMENTS				
	Rev Require	With Incentives	Incentive Amounts	
Σ Projected Year	2020	79,416,495	79,416,495	\$ -

**NOTE: PART IV ---Projected Base Plan Project Tables are contained in a separate file**



AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet G - Calculation of TRUED-UP Annual Revenue Requirement for Base Plan and Special-Billed Projects**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

**I. Calculate Return and Income Taxes with 0 basis point ROE increase for Projects Qualified for Incentive.**

**A. Determine 'R' with hypothetical 0 basis point increase in ROE for Identified Projects**

1	ROE w/o incentives (TCOS, In 143)		10.50%
2	Project ROE Incentive Adder (Enter as whole number)		- basis points
3	ROE with additional 0 basis point incentive		10.50% <=Incentive ROE
4	Determine R (cost of long term debt, cost of preferred stock and percent is from TCOS, Ins 141 through 143)		
5		<u>%</u>	<u>Cost</u>
6	Long Term Debt	51.31%	4.31%
7	Preferred Stock	0.00%	0.00%
8	Common Stock	48.69%	10.50%
9			<u>Weighted cost</u>
			2.21%
			0.00%
			5.11%
	R =		7.33%

**B. Determine Return using 'R' with hypothetical 0 basis point ROE increase for Identified Projects.**

10	Rate Base (TCOS, In 63)	1,189,112,120
11	R (from A. above)	0.0733
12	Return (Rate Base x R)	87,111,156

**C. Determine Income Taxes using Return with hypothetical 0 basis point ROE increase for Identified Projects.**

13	Return (from B. above)	87,111,156
14	Tax Rate (TCOS, In 99)	24.70%
15	EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =	22.89%
16	Income Tax Calculation (Return x EIT)	19,936,887
17	ITC Adjustment (TCOS, In 108)	(260,188)
18	Excess DFIT Adjustment (TCOS, In 109)	(4,087,595)
19	Tax Effect of Permanent and Flow Through Differences (TCOS, In 110)	189,936
20	Income Taxes	15,779,039

**II. Calculate Net Plant Carrying Charge Rate (Fixed Charge Rate or FCR) with hypothetical 0 basis point ROE increase.**

**A. Determine Net Revenue Requirement less return and Income Taxes.**

21	Net Revenue Requirement (TCOS, In 117)	197,714,104
22	Return (TCOS, In 112)	87,111,156
23	Income Taxes (TCOS, In 111)	15,779,039
24	Gross Margin Taxes (TCOS, In 116)	79,920
25	Net Revenue Requirement, Less Return and Taxes	94,743,989

**B. Determine Net Revenue Requirement with hypothetical 0 basis point increase in ROE.**

26	Net Revenue Requirement, Less Return and Taxes	94,743,989
27	Return (from I.B. above)	87,111,156
28	Income Taxes (from I.C. above)	15,779,039
29	Net Revenue Requirement, with 0 Basis Point ROE increase	197,634,185
30	Gross Margin Tax with Basis Point ROE Increase (II C. below)	79,920
31	Revenue Requirement w/ Gross Margin Taxes	197,714,104
32	Less: Depreciation (TCOS, In 86)	49,241,744
33	Net Rev. Req, w/0 Basis Point ROE increase, less Depreciation	148,472,361

**C. Determine Gross Margin Tax with hypothetical 0 basis point increase in ROE.**

34	Net Revenue Requirement before Gross Margin Taxes, with 0	197,634,185
35	Basis Point ROE increase (II B. above)	
36	Apportionment Factor to Texas (Worksheet K, In 12)	39.63%
37	Apportioned Texas Revenues	78,332,246
38	Taxable Percentage of Revenue	14%
39	Taxable, Apportioned Margin	10,651,555
40	Texas Gross Margin Tax Rate	0.75%
41	Texas Gross Margin Tax Expense	79,887
42	Gross-up Required for Gross Margin Tax Expense	33
43	Total Additional Gross Margin Tax Revenue Requirement	79,920

**D. Determine FCR with hypothetical 0 basis point ROE increase.**

44	Net Transmission Plant (TCOS, In 37)	1,450,839,891
45	Net Revenue Requirement, with 0 Basis Point ROE increase	197,714,104
46	FCR with 0 Basis Point increase in ROE	13.63%
47	Net Rev. Req, w / 0 Basis Point ROE increase, less Dep.	148,472,361
48	FCR with 0 Basis Point ROE increase, less Depreciation	10.23%
49	FCR less Depreciation (TCOS, In 10)	10.23%
50	Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

**III. Calculation of Composite Depreciation Rate**

51	Transmission Plant Average Balance for 2020 (WS A-1 Ln 14 Col (d))	2,046,255,920
52	Annual Depreciation Expense (TCOS, In 86)	50,517,916
53	Composite Depreciation Rate	2.47%
54	Depreciable Life for Composite Depreciation Rate	40.51
55	Round to nearest whole year	41

Note: Worksheets F and G are both populated from the TCOS worksheet every update. Worksheet F is only used in Projections. Worksheet G is used only in True-Ups. These worksheets add up all of the individual SPP Base Plan projects, Requested Upgrades, Economic Upgrades, or any other projects billed by SPP through other than the NITS rate.

SUMMARY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS FOR SPP BPU & NON-BPU PROJECTS				
True-Up Rate Year	2018	Rev Require	With Incentives	Incentive Amounts
∑ True Up Year Projected WS-F		\$ 94,420,138	\$ 94,420,138	\$ -
∑ True-Up Year True-Up WS-G		\$ 81,604,436	\$ 81,604,436	\$ -
True-up Adjustment For 2018		(12,815,702)	(12,815,702)	-

**NOTE: PART IV --- True-Up Base Plan Project Tables are contained in a separate file**





AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
 Worksheet H - Revenue Credits  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

<u>Line:</u>	<b>Total Company</b>	<b>Non- Transmission</b>	<b>Transmission</b>
<b>1 Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1)</b>	5,050,000	5,050,000	-
<b>2 Account 451, Misc. Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)</b>	2,225,000	2,225,000	-
<b>Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)</b>			
Account 4540001 - Rent from Elect Property-Aff	1,503,984	1,503,984	-
Account 4540002 - Rent from Elect Property - Non-Aff	3,080,002	3,052,432	27,570
Account 4540005 - Rent from Elect Property - Pole Attach	4,800,000	4,800,000	-
Account 4540004 - Rent from Elect Property - ABD - Non-Aff	-	-	-
Other 454 Accounts	-	-	-
<b>3 Total Rents from Electric Property</b>	<b>9,383,986</b>		<b>27,570</b>
<b>Account 456.0 Other Operating Revenues (FF1 p.300.21.(b); Company Records - Note 1)</b>			
1 Account 4560015, Revenues from Associated Business Development	880,000	666,767	213,233
2 All Other 456.0 Revenues	5,506,199	4,356,382	1,149,817
<b>4 Total 456.0 Other Operating Revenues</b>	<b>6,386,199</b>		<b>1,363,050</b>
<b>Account 456.1, Revenues from Transmission of Electricity of Others (FF1 p.300.22.(b); Company Records - Note 1)</b>			<b>115,937,082</b>
<b>Less:</b>			
Transmission Direct Assignment Revenue (if costs not in the ARR)			1,255,380
Sponsored Upgrade Revenue			-
Credits against Transmission Service Revenue related to Generation Interconnections			-
Revenue for GFA's (Relative to SPP OATT) Associated with Load Included in the Divisor			-
Network Service Revenue (SPP Schedule 9) Associated with Load included in the Divisor			60,703,127
Revenue Associated with Transmission Plant Excluded From SPP Tariff			-
Distribution and Other Non-Transmission Revenue			-
Revenue from SPP Ancillary Services Provided			272,174
Base Plan Revenue (from SPP)			46,303,516
Flow Through of ERCOT Ancillary Charges			-
Other			-
<b>5 Net 456.1 Transmission Credits</b>			<b>\$7,402,884</b>
<b>6 Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)</b>			
<b>7 Account 457.2, Miscellaneous Revenues (FF1p.300.24.(b); Company Records - Note 1)</b>			
<b>8 Total Revenue Credits - Sum lines 1 through 7</b>			<b>\$8,793,504</b>

Note 1: Data for this worksheet came from the FERC Form 1 and the Company's General Ledger.

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet I - Supporting Transmission Expense Adjustments**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

Note: This worksheet is used to include any FERC jurisdictional transmission-related (i.e. non-retail) expenses recorded in Accounts 561 or 565 which are includable in the formula on TCOS line 66, and make any other necessary FERC jurisdictional adjustments to Transmission O&M.

<u>Line</u> <u>Number</u>	<u>(A)</u> <u>Description</u>	<u>(B)</u> <u>2020</u>
1		
2		
3		
4		
5		
6		
7		
8		
9		
10	Total	( sum of lines 2 through 9 )
		<u>\$0</u>

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet J - Allocation of Specific O&M or A&G Expenses**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

<u>Line Number</u>	<u>(A) FERC Acct No.</u>	<u>(B) Description</u>	<u>(C) 2020 Expense</u>	<u>(D) 100% Non-Transmission</u>	<u>(E) 100% Transmission Specific</u>	<u>(F) Explanation of Transmission Specific Items</u>
		<u>Account 928</u>				
1	9280000	Regulatory Commission Expenses	1,733,910	1,733,910	0	
2						
3						
4						
5						
6						
7						
8						
9						
10		<b>Total (FERC Form 1 p.323.189.b)</b>	<u>1,733,910</u>	<u>1,733,910</u>	<u>0</u>	
		<u>Account 930.1</u>				
11	9301XXX	General Advertising Expenses	215,783	215,783	-	Excluded
12						
13						
14						
15						
16		<b>Total (FERC Form 1 p.323.191.b)</b>	<u>215,783</u>	<u>215,783</u>	<u>0</u>	
		<u>Account 930.2</u>				
17	9302XXX	Misc General Expenses	1,454,232	1,323,351	130,881	
18						
19						
20						
21						
22		<b>Total (FERC Form 1 p.323.192.b)</b>	<u>1,454,232</u>	<u>1,323,351</u>	<u>130,881</u>	

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet K - Development of Composite State Income Tax Rate**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

**I. DEVELOPMENT OF COMPOSITE STATE INCOME TAX RATES FOR 2020**

State Income Tax Rate - Arkansas	Note 1	6.50%	
Apportionment Factor		24.40%	
Effective State Income Tax Rate			1.5859%
State Income Tax Rate - Louisiana		8.00%	
Apportionment Factor		38.26%	
Effective State Income Tax Rate			3.0608%
State Income Tax Rate - Oklahoma		5.66%	
Apportionment Factor		0.17%	
Effective State Income Tax Rate			0.0093%
State Income Tax Rate - Texas		0.75%	
Apportionment Factor		3.07%	
Effective State Income Tax Rate			0.0230%
State Income Tax Rate - Nebraska		5.58%	
Apportionment Factor		0.02%	
Effective State Income Tax Rate			0.0011%
Total Effective State Income Tax Rate			<u>4.6800%</u>

Note 1 --- The Oklahoma State Income Tax Rate of 6% is reduced to 5.66% due to the deductibility of Oklahoma State Income Taxes on the Oklahoma State Income Tax Return.

**II. CALCULATION OF TEXAS GROSS MARGIN TAX**

		<u>Projected / Actual</u>	
		Total Company	Trans. Only
Line #	REVENUE REQUIREMENT BEFORE TEXAS GROSS MARGIN TAX (TCOS In 116)	713,698,059	197,634,185
1	Apportionment Factor to Texas (In12)	39.63%	39.63%
2	Apportioned Texas Revenues	<u>\$282,873,998</u>	<u>\$78,332,246</u>
3	Taxable Percentage of Revenue	14%	14%
4	Taxable, Apportioned Margin	38,464,975	10,651,555
5	Texas Gross Margin Tax Rate	1%	1%
6	Texas Gross Margin Tax Expense	288,487	79,887
7	Gross-up Required for Texas Gross Margin Expense (In 6 * In 3 * In 1)/(1- In 5) * In 5)	117	33
8	Total Additional Gross Margin Tax Revenue Requirement	<u>288,604</u>	<u>79,920</u>
9	WHOLESALE LOAD ALLOCATOR (For Use in Gross Margin Tax Allocator)		
10	Texas Jurisdictional Load	1,200,194 kW	
11	Total Load	3,028,119 kW	
12	Allocation Percentage (In 10 / In 11)	<u>39.63%</u>	

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
 Worksheet L - Taxes Other than Income  
 SOUTHWESTERN ELECTRIC POWER COMPANY

Line No.	(A) Account	(B) Total Company	(C) Property	(D) Labor	(E) Other	(F) Non-Allocable
1	<b>Revenue Taxes</b>					
2	TX Gross Receipts/OH CAT Tax	6,873,000				6,873,000
3	<b>Real Estate and Personal Property Taxes</b>					
4	Oklahoma Ad Valorum	514,383	514,383			
5	Arkansas Ad Valorum	15,788,008	15,788,008			
6	Louisiana Ad Valorum	27,032,303	27,032,303			
7	Texas Ad Valorum	24,705,334	24,705,334			
23	<b>Payroll Taxes</b>					
24	Federal Insurance Contribution (FICA )	7,731,635		7,731,635		
25	Federal Unemployment Tax	40,588		40,588		
26	State Unemployment Insurance	48,600		48,600		
28	<b>Production Taxes</b>					
29						
30						
32	<b>Miscellaneous Taxes</b>					
33	Federal Excise Tax	12,000				12,000
34	LA State Franchise					
35	DE State Franchise					
36	AR State Franchise					
37	OK State Franchise Tax					
38	OK State License					
39	AR State License					
40	NE State License					
41	DE State License					
42	LA State Franchise	5,600,000			5,600,000	
43	AR Local Franchise					
44	TX Local Franchise	10,016,124				10,016,124
45	TX State Franchise					
46	LA Local Franchise	8,635,876				8,635,876
47	AR Sales & Use Tax					
48	LA Sales & Use Tax					
49	NE Sales & Use Tax					
50	OK Sales & Use Tax					
51	TX Sales & Use Tax					
52	TX PUC	1,063,434			1,063,434	
53	LA Insp & Cntrl Fees					
54	LA State Licence Registration					
55	LA PUC					
56	AR PUC	1,063,434			1,063,434	
57	DE Misc State and Local					
58	Total Taxes by Allocable Basis	109,124,718	68,040,027	7,820,823	7,726,868	25,537,000
	(Total Company Amount Ties to FFI p.114, Ln 14,(c))					

NOTE: As a check, the difference between the total from Ln 58 above and the total on FFI p.263 line 41(f) should equal the sum of the 'income' tax line items within FFI p062.x-263.x

AEP West SPP Member Operating Companies  
Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet M - Cost of Capital**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

Line No	Month (a)	Average Balance of Common Equity				Average Balance of Common Equity (f)=(b)-(c)-(d)-(e)
		Proprietary Capital (b)	Less: Preferred Stock (c)	Less Undistributed Sub Earnings (Acct 216.1) (d)	Less AOCI (Acct 219.1) (e)	
(Note A)		(FF1 112.16)	(FF1 250-251)	(FF1 112.12)	(FF1 112.15)	
1	December Prior to Rate Year	2,396,907,597	-	34,451,515	(4,368,729)	2,366,824,811
2	January	2,405,890,067	-	34,451,515	(4,229,605)	2,375,668,157
3	February	2,411,969,666	-	34,451,515	(4,090,481)	2,381,608,631
4	March	2,416,927,661	-	34,451,515	(3,951,356)	2,386,427,502
5	April	2,414,846,292	-	34,451,515	(3,812,232)	2,384,207,009
6	May	2,436,889,556	-	34,451,515	(3,673,108)	2,406,111,149
7	June	2,467,511,346	-	34,451,515	(3,533,983)	2,436,593,815
8	July	2,498,300,215	-	34,451,515	(3,394,859)	2,467,243,559
9	August	2,532,496,825	-	34,451,515	(3,255,735)	2,501,301,045
10	September	2,553,031,177	-	34,451,515	(3,116,610)	2,521,696,273
11	October	2,560,589,954	-	34,451,515	(2,977,486)	2,529,115,924
12	November	2,561,320,958	-	34,451,515	(2,838,361)	2,529,707,805
13	December of Rate Year	2,570,905,273	-	34,451,515	(2,699,237)	2,539,152,995
14	13 Month Average	2,479,045,122	-	34,451,515	(3,533,983)	2,448,127,590

Line No	Month (a)	Average Balance of Long Term Debt					Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(f)
		Acct 221 Bonds (b)	Less: Acct 222 Reacquired Bonds (c)	LT Advances from Assoc. Companies (d)	Senior Unsecured Notes (e)	Less: Fair Value Hedges (f)	
(Note A)		(FF1 112.18)	(FF1 112.19)	(FF1 112.20)	(FF1 112.21)	FF1, page 257, Col. (h) - Note 1	
15	December Prior to Rate Year	-	-	-	2,563,375,000	-	2,563,375,000
16	January	-	-	-	2,563,375,000	-	2,563,375,000
17	February	-	-	-	2,561,750,000	-	2,561,750,000
18	March	-	-	-	2,561,750,000	-	2,561,750,000
19	April	-	-	-	2,561,750,000	-	2,561,750,000
20	May	-	-	-	2,561,750,000	-	2,561,750,000
21	June	-	-	-	2,596,750,000	-	2,596,750,000
22	July	-	-	-	2,596,750,000	-	2,596,750,000
23	August	-	-	-	2,595,125,000	-	2,595,125,000
24	September	-	-	-	2,595,125,000	-	2,595,125,000
25	October	-	-	-	2,595,125,000	-	2,595,125,000
26	November	-	-	-	2,595,125,000	-	2,595,125,000
27	December of Rate Year	-	-	-	2,595,125,000	-	2,595,125,000
28	13 Month Average	-	-	-	2,580,221,154	-	2,580,221,154

NOTE 1: The balance of fair value hedges on outstanding long term debt are to be excluded from the balance of long term debt included in the formula's capital structure. (Page 257 Column H of the FF1)

**Development of Cost of Long Term Debt Based on Average Outstanding Balance**

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)
29	<b>Annual Interest Expense for 2020</b>						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			109,150,217			
31	Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC Form 1 included in Ln 30 and shown in 50 below.			2,125,250			
32	Plus: Allowed Hedge Recovery From Ln 55 below.			2,125,250			
33	Amort of Debt Discount & Expense - Acct 428 (117.63.c)			1,623,841			
34	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)			535,852			
35	Less: Amort of Premium on Debt - Acct 429 (117.65.c)			-			
36	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)			-			
37	<b>Total Interest Expense (Ln 30 - 31 + 33 + 34 - 35 - 36)</b>			111,309,910			
38	<b>Average Cost of Debt for 2020 (Ln 37/ In 28 (g))</b>			<b>4.31%</b>			

**CALCULATION OF RECOVERABLE HEDGE GAINS/LOSSES**

NOTE: The net amount of hedging gains or losses recorded in account 427 to be recovered in this formula rate should be limited to the effective portion of pre-issuance cash flow hedges that are amortized over the life of the underlying debt issuances. The recovery of a net loss or passback of a net gain will be limited to five basis points of the total Capital Structure. Amounts related to the ineffective portion of pre-issuance hedges, cash settlements of fair value hedges issued on Long Term Debt, post-issuance cash flow hedges, and cash flow hedges of variable rate debt issuances are not recoverable in this formula and are to be recorded in the "Excludable" column below.

	HEDGE AMOUNTS BY ISSUANCE (FROM p. 256-257 (i) of the FERC Form 1)	Total Hedge (Gain)/Loss for 2020	Less Excludable Amounts (See NOTE on Line 39)	Net Includable Hedge Amount	Amortization Period		
					Remaining Unamortized Balance	Beginning	Ending
40	Senior Unsecured Notes Series I, 3.55% - Financial Hedges	2,125,250		2,125,250	2,125,250	2,212,653	2,125,250
41				-			
42				-			
43				-			
44				-			
45				-			
46				-			
47				-			
48				-			
49					2,125,250		
50	Total Hedge Amortization	2,125,250	-				
51	Hedge Gain or Loss Prior to Application of Recovery Limit (Sum of Lines 40 to 48)			2,125,250			
52	Total Average Capital Structure Balance for 2020 (TCOS, Ln 144)			5,028,348,744			
53	Financial Hedge Recovery Limit - Five Basis Points of Total Capital			0.0005			
54	Limit of Recoverable Amount			2,514,174			
55	<b>Recoverable Hedge Amortization (Lesser of Ln 51 or Ln 54)</b>			<b>2,125,250</b>			

**Development of Cost of Preferred Stock**

56	Beginning/Ending Average Balance of Preferred Stock (Ln 14 Col. (c))			-			
57	Dividends on Preferred Stock						
58	<b>Average Cost of Preferred Stock (Ln 57/ Ln 56)</b>			<b>0.00%</b>			



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**AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
 Worksheet N - Schedule 11 True-up With Interest  
 SOUTHWESTERN ELECTRIC POWER COMPANY**

True up Revenue Requirement For Year 2018 Available May, 2019 Net of Schedule 11 Revenue Credits	Cash Revenue Collections for True-up Year, Net of Schedule 11 Revenue Credits	True-up Adjustment - Over (Under) Recovery	True Up Year: 2018
\$0	\$0	\$0	Intermediate Year: 2019
			Rate Year: 2020

Month	Refunds/ (Surcharges)	Cumulative Refunds/(Surcharges) - Beginning of Month (Without Interest)	Base for Quarterly Compound Interest	Base for Monthly Interest	Monthly Interest Rate (Worksheet Q)	Calculated Interest	Amortization	Cumulative Refunds and Interest - End of Month
<b>Calculation of Interest</b>								
<i>True-Up Year</i>								
1/1/2018	-	-	-	-	0.360%	-	-	-
2/1/2018	-	-	-	-	0.330%	-	-	-
3/1/2018	-	-	-	-	0.360%	-	-	-
4/1/2018	-	-	-	-	0.370%	-	-	-
5/1/2018	-	-	-	-	0.380%	-	-	-
6/1/2018	-	-	-	-	0.370%	-	-	-
7/1/2018	-	-	-	-	0.400%	-	-	-
8/1/2018	-	-	-	-	0.400%	-	-	-
9/1/2018	-	-	-	-	0.390%	-	-	-
10/1/2018	-	-	-	-	0.420%	-	-	-
11/1/2018	-	-	-	-	0.410%	-	-	-
12/1/2018	-	-	-	-	0.420%	-	-	-
<i>Intermediate Year</i>								
1/1/2019	-	-	-	-	0.440%	-	-	-
2/1/2019	-	-	-	-	0.400%	-	-	-
3/1/2019	-	-	-	-	0.440%	-	-	-
4/1/2019	-	-	-	-	0.450%	-	-	-
5/1/2019	-	-	-	-	0.460%	-	-	-
6/1/2019	-	-	-	-	0.450%	-	-	-
7/1/2019	-	-	-	-	0.450%	-	-	-
8/1/2019	-	-	-	-	0.450%	-	-	-
9/1/2019	-	-	-	-	0.450%	-	-	-
10/1/2019	-	-	-	-	0.450%	-	-	-
11/1/2019	-	-	-	-	0.450%	-	-	-
12/1/2019	-	-	-	-	0.450%	-	-	-
<b>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</b>								
<i>Rate Year</i>								
1/1/2020	-	-	-	-	0.445%	-	-	-
2/1/2020	-	-	-	-	0.445%	-	-	-
3/1/2020	-	-	-	-	0.445%	-	-	-
4/1/2020	-	-	-	-	0.445%	-	-	-
5/1/2020	-	-	-	-	0.445%	-	-	-
6/1/2020	-	-	-	-	0.445%	-	-	-
7/1/2020	-	-	-	-	0.445%	-	-	-
8/1/2020	-	-	-	-	0.445%	-	-	-
9/1/2020	-	-	-	-	0.445%	-	-	-
10/1/2020	-	-	-	-	0.445%	-	-	-
11/1/2020	-	-	-	-	0.445%	-	-	-
12/1/2020	-	-	-	-	0.445%	-	-	-

True-Up Adjustment with Interest	-
Less Over (Under) Recovery	-
Total Interest	-

**Note 1:** The monthly interest rates to be applied to the over recovery or under recovery amounts during the true-up year and the intermediate year will be determined using the monthly FERC interest rates (as determined pursuant to 18 C.F.R. Section 35.19a) posted at <https://www.ferc.gov/enforcement/acct-matts/interest-rates.asp>. The monthly interest rate to be applied to the over recovery or under recovery amounts each month during the rate year will equal a simple average of the 12 monthly interest rates for the intermediate year.

**Note 2:** An over or under collection for the Schedule 11 charge will be recovered prorata over the true-up year, held for the intermediate year and returned prorata over the rate year.

**AEP West SPP Member Operating Companies**  
**Actual / Projected 2020 Rate Year Cost of Service Formula Rate**  
**Worksheet O - Schedule 9 NITS True-up With Interest**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

True up Revenue Requirement For Year 2020 Available May, 2021	Cash Revenue Collections for True-up Year, Net of Schedule 9 Revenue Credits	True-up Adjustment - Over (Under) Recovery	True Up Year: 2020
\$0	\$0	\$0	Intermediate Year: 2021
			Rate Year: 2022

Month	Refunds/ (Surcharges)	Cumulative Refunds/(Surcharges) - Beginning of Month (Without Interest)	Base for Quarterly Compound Interest	Base for Monthly Interest	Monthly Interest Rate (Worksheet Q)	Calculated Interest	Cumulative Refunds and Interest - End of Month
<b>Calculation of Interest</b>							
<i>True-Up Year</i>							
1/1/2020	-	-	-	-	0.360%	-	-
2/1/2020	-	-	-	-	0.330%	-	-
3/1/2020	-	-	-	-	0.360%	-	-
4/1/2020	-	-	-	-	0.370%	-	-
5/1/2020	-	-	-	-	0.380%	-	-
6/1/2020	-	-	-	-	0.370%	-	-
7/1/2020	-	-	-	-	0.400%	-	-
8/1/2020	-	-	-	-	0.400%	-	-
9/1/2020	-	-	-	-	0.390%	-	-
10/1/2020	-	-	-	-	0.420%	-	-
11/1/2020	-	-	-	-	0.410%	-	-
12/1/2020	-	-	-	-	0.420%	-	-
<i>Intermediate Year</i>							
1/1/2021	-	-	-	-	0.440%	-	-
2/1/2021	-	-	-	-	0.400%	-	-
3/1/2021	-	-	-	-	0.440%	-	-
4/1/2021	-	-	-	-	0.450%	-	-
5/1/2021	-	-	-	-	0.460%	-	-
6/1/2021	-	-	-	-	0.450%	-	-
True-Up Adjustment with Interest							-
Less Over (Under) Recovery							-
Total Interest							-

**Note 1:** The monthly interest rates to be applied to the over recovery or under recovery amounts during the true-up year and the intermediate year will be determined using the monthly FERC interest rates (as determined pursuant to 18 C.F.R. Section 35.19a) posted at <https://www.ferc.gov/enforcement/acct-matts/interest-rates.asp>.

**Note 2:** An over or under collection for the Schedule 9 charge will be recovered prorata over the true-up year, held through June of the intermediate year and charged/refunded in a lump sum during July of the intermediate year.

**AEP West SPP Member Operating Companies**  
**Actual / Projected 2020 Rate Year Cost of Service Formula Rate**  
**Worksheet P - Schedule 1 NITS True-up With Interest**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

True up Revenue Requirement For Year 2020 Available May, 2021	Cash Revenue Collections for True-up Year, Net of Schedule 1 Revenue Credits	True-up Adjustment - Over (Under) Recovery	True Up Year:	2020
\$0	\$0	\$0	Intermediate Year:	2021
			Rate Year:	2022

Month	Refunds/ (Surcharges)	Cumulative Refunds/(Surcharges) - Beginning of Month (Without Interest)	Base for Quarterly Compound Interest	Base for Monthly Interest	Monthly Interest Rate (Worksheet Q)	Calculated Interest	Cumulative Refunds and Interest - End of Month
<b>Calculation of Interest</b>							
<i>True-Up Year</i>							
1/1/2020	-	-	-	-	0.360%	-	-
2/1/2020	-	-	-	-	0.330%	-	-
3/1/2020	-	-	-	-	0.360%	-	-
4/1/2020	-	-	-	-	0.370%	-	-
5/1/2020	-	-	-	-	0.380%	-	-
6/1/2020	-	-	-	-	0.370%	-	-
7/1/2020	-	-	-	-	0.400%	-	-
8/1/2020	-	-	-	-	0.400%	-	-
9/1/2020	-	-	-	-	0.390%	-	-
10/1/2020	-	-	-	-	0.420%	-	-
11/1/2020	-	-	-	-	0.410%	-	-
12/1/2020	-	-	-	-	0.420%	-	-
<i>Intermediate Year</i>							
1/1/2021	-	-	-	-	0.440%	-	-
2/1/2021	-	-	-	-	0.400%	-	-
3/1/2021	-	-	-	-	0.440%	-	-
4/1/2021	-	-	-	-	0.450%	-	-
5/1/2021	-	-	-	-	0.460%	-	-
6/1/2021	-	-	-	-	0.450%	-	-
True-Up Adjustment with Interest							-
Less Over (Under) Recovery							-
Total Interest							-

**Note 1:** The monthly interest rates to be applied to the over recovery or under recovery amounts during the true-up year and the intermediate year will be determined using the monthly FERC interest rates (as determined pursuant to 18 C.F.R. Section 35.19a) posted at <https://www.ferc.gov/enforcement/acct-matts/interest-rates.asp>.

**Note 2:** An over or under collection for the Schedule 1 NITS charge will be recovered prorata over the true-up year, held through June of the intermediate year and charged/refunded in a lump sum during July of the intermediate year. Schedule 1 Point to Point revenues are not subject to true up.

**AEP West SPP Member Operating Companies**  
**Actual / Projected 2020 Rate Year Cost of Service Formula Rate**  
**Worksheet Q - True-up Interest Rates**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

This Attachment is used to input and compute the interest rates to be applied to each year's revenue requirement true-ups.

Applicable FERC Interest Rate (Note A):		
1	1/1/2018	0.36%
2	2/1/2018	0.33%
3	3/1/2018	0.36%
4	4/1/2018	0.37%
5	5/1/2018	0.38%
6	6/1/2018	0.37%
7	7/1/2018	0.40%
8	8/1/2018	0.40%
9	9/1/2018	0.39%
10	10/1/2018	0.42%
11	11/1/2018	0.41%
12	12/1/2018	0.42%
13	1/1/2019	0.44%
14	2/1/2019	0.40%
15	3/1/2019	0.44%
16	4/1/2019	0.45%
17	5/1/2019	0.46%
18	6/1/2019	0.45%
19	7/1/2019	0.45%
20	8/1/2019	0.45%
21	9/1/2019	0.45%
22	10/1/2019	0.45%
23	11/1/2019	0.45%
24	12/1/2019	0.45%
	<u>Schedule 11 Base Plan True Up</u>	
25	Average Monthly Rate - Lines 13- 24	0.45%

Note A - Lines 1-20 are the FERC interest rates under section 35.19a of the regulations for the period shown, as posted at <https://www.ferc.gov/enforcement/acct-matts/interest-rates.asp>.

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet R - Unfunded Reserves**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) Account</u>	<u>(C) Formula Expense Account</u>	<u>(D) Balances @ 12/31/2020</u>	<u>(E) Balances 12/31/2019</u>	<u>(F) Average Balance for 2020</u>
1	Accm Prv I/D - Worker's Com	2282003		358,347	108,919	233,633
2						-
3						-
4						-
5						-
6						-
7						-
8	Total			358,347	108,919	233,633

Note - The cost of service will make a rate base adjustment to remove unfunded reserves associated with contingent liabilities recorded to Accounts 228.1-228.4 from rate base. Include only contingent liabilities which were expensed through accounts included in formula rate cost of service.

AEP West SPP Member Operating Companies  
 Actual / Projected 2020 Rate Year Cost of Service Formula Rate  
**Worksheet S - Regulatory Assets**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

Line	(A) Description	(B) FERC Docket	(C) Source	(D) Amort. / Deferral Account	(E) 2020 Amortization / (Deferral)
1	<b>Regulatory Asset Amortizations / (Deferrals) in O&amp;M (Note 1)</b>				
1a	2010 Severance Amortization			566	31,298
1b					
1c					
1d					
1e					
2	Net Amortization / (Deferral)				31,298
3	<b>FERC Approved Regulatory Amortizations / (Deferrals) in O&amp;M (Note 2)</b>				
3a					
3b					
3c					
3d					
4	Net Approved Amortization / (Deferral)				-
5	<b>Reg Asset Amortizations / (Deferrals) in A&amp;G (Note 3)</b>				
5a	SFAS 106 Medicare Subsidy			926	533,310
5b	2010 Severance Amortization			921	54,121
6	Net Amortization / (Deferral)				587,431
7	<b>FERC Approved Reg Amortizations / (Deferrals) in A&amp;G (Note 4)</b>				
7a	SFAS 106 Medicare Subsidy	ER18-195		926	533,310
7b					
8	Net Approved Amortization / (Deferral)				533,310

**Regulatory Assets Included in Rate Base (Note 5)**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
	Description	FERC Approval Docket	Form 1 Reference	Recovery Start Date	Recovery Period (Months)	Balance @ 12/31/2020	Balance @ 12/31/2019	Average Balance	Functional Allocator (Note 6)	Functional Allocator Value	Transmission Balance
9											
9a											
9b											
9c											
9d											
9e											
10	Total										

Notes

- 1 Include all regulatory asset amortizations and deferrals included in accounts in Transmission O&M on FERC Form 1 p. 321, ln 122. Exclude all Distribution and Production-related items.
- 2 Include only regulatory asset amortizations and deferrals included in accounts in Transmission O&M approved by FERC for inclusion in cost of service.
- 3 Include all amortizations and deferrals of regulatory assets included in accounts in A&G expense on FERC Form 1 p. 321, ln 197, except amounts in Account 928, 930.1, and 930.2, which are accounted for on Worksheet J.
- 4 Include only regulatory asset amortizations and deferrals included in accounts in A&G expense approved by FERC for inclusion in cost of service.
- 5 See referenced FERC docket for details of Regulatory Assets approved for inclusion in rate base. Include only the Transmission functional balance for assets which have both Transmission and Distribution components.
- 6 Balances direct assigned to Transmission except for payroll-related balances, which will be allocated using a wages and salaries allocator.

AEP West SPP Member Operating Companies  
 Actual / Projected 2018 Rate Year Cost of Service Formula Rate  
**Worksheet T - Depreciation Rates**  
**SOUTHWESTERN ELECTRIC POWER COMPANY**

CALCULATION WEIGHTED AVERAGE TOTAL COMPANY RATES  
 TRANSMISSION, GENERAL AND INTANGIBLE PLANT  
 EFFECTIVE AS OF 06/01/2018

LOUISIANA				ARKANSAS			TEXAS			FERC - Wholesale			TOTAL COMPANY
PLANT ACCT.	LA RATES (2)	ALLOCATION FACTOR	WTD AVG. DEPREC. RATE	ARKANSAS RATES (3)	ALLOCATION FACTOR	WTD AVG. DEPREC. RATE	TEXAS RATES (4)	ALLOCATION FACTOR	WTD AVG. DEPREC. RATE	FERC RATES (1)	ALLOCATION FACTOR	WTD AVG. DEPREC. RATE	WTD AVG. DEPREC. RATE
<b>TRANSMISSION PLANT</b>													
350.1	1.6600%	0.368135	0.6111%	1.3600%	0.204048	0.2775%	1.2900%	0.393074	0.5071%	1.8200%	0.034743	0.0632%	1.46%
352.0	1.9100%	0.368135	0.7031%	1.3900%	0.204048	0.2836%	1.3200%	0.393074	0.5189%	1.8200%	0.034743	0.0632%	1.57%
353.0	2.1000%	0.368135	0.7731%	1.5400%	0.204048	0.3142%	1.2700%	0.393074	0.4992%	1.8900%	0.034743	0.0657%	1.65%
354.0	2.7200%	0.368135	1.0013%	2.2900%	0.204048	0.4673%	1.4000%	0.393074	0.5503%	2.0000%	0.034743	0.0695%	2.09%
355.0	3.7200%	0.368135	1.3695%	3.4600%	0.204048	0.7060%	3.1000%	0.393074	1.2185%	2.7500%	0.034743	0.0955%	3.39%
356.0	2.6300%	0.368135	0.9682%	1.9400%	0.204048	0.3959%	1.7800%	0.393074	0.6997%	2.7500%	0.034743	0.0955%	2.16%
357.0	1.0100%	0.368135	0.3718%	1.0100%	0.204048	0.2061%	1.7800%	0.393074	0.6997%	1.0100%	0.034743	0.0351%	1.31%
358.0	3.7500%	0.368135	1.3805%	1.8800%	0.204048	0.3836%	1.6900%	0.393074	0.6643%	1.8800%	0.034743	0.0653%	2.49%
359.0	1.6700%	0.368135	0.6148%	0.7700%	0.204048	0.1571%	1.3500%	0.393074	0.5306%	0.7700%	0.034743	0.0268%	1.33%
<b>GENERAL PLANT</b>													
390.0	2.9900%	0.370699	1.1084%	1.7600%	0.194765	0.3428%	1.62%	0.345558	0.5598%	1.62%	0.088978	0.1441%	2.16%
391.0	3.9000%	0.370699	1.4457%	3.3300%	0.194765	0.6486%	4.32%	0.345558	1.4928%	4.32%	0.088978	0.3844%	3.97%
391.1	20.8400%	0.370699	7.7254%	14.2900%	0.194765	2.7832%	10.69%	0.345558	3.6940%	10.69%	0.088978	0.9512%	15.15%
392.0	4.6000%	0.370699	1.7052%	4.6000%	0.194765	0.8959%	1.82%	0.345558	0.6289%	1.82%	0.088978	0.1619%	3.39%
393.0	3.6600%	0.370699	1.3568%	3.4000%	0.194765	0.6622%	3.94%	0.345558	1.3615%	3.94%	0.088978	0.3506%	3.73%
394.0	4.1400%	0.370699	1.5347%	2.8600%	0.194765	0.5570%	3.08%	0.345558	1.0643%	3.08%	0.088978	0.2741%	3.43%
395.0	3.8000%	0.370699	1.4087%	2.8600%	0.194765	0.5570%	1.52%	0.345558	0.5252%	1.52%	0.088978	0.1352%	2.63%
396.0	5.0600%	0.370699	1.8757%	5.0000%	0.194765	0.9738%	5.53%	0.345558	1.9109%	5.53%	0.088978	0.4920%	5.25%
397.0	7.2300%	0.370699	2.6802%	4.7500%	0.194765	0.9251%	8.79%	0.345558	3.0375%	8.79%	0.088978	0.7821%	7.42%
398.0	6.3200%	0.370699	2.3428%	5.0000%	0.194765	0.9738%	6.32%	0.345558	2.1839%	6.32%	0.088978	0.5623%	6.06%
399.3	1.8900%	0.370699	0.7006%	0.6400%	0.194765	0.1246%	1.41%	0.345558	0.4872%	1.41%	0.088978	0.1255%	1.44%
<b>INTANGIBLE PLANT</b>													
303.0	20.0000%	0.370699	7.4140%	20.0000%	0.194765	3.8953%	20.00%	0.345558	6.9112%	20.00%	0.088978	1.7796%	20.00%

1. FERC effective June 1, 2018 to match the Texas depreciation rates approved in PUC Docket No. 46449 in accordance with the settlement in FERC Docket ER18-195
2. Louisiana transmission, distribution and general depreciation rates were approved at the LA Public Service Commission session dated November 17, 1999 as per Order U-23029-A.
3. Arkansas depreciation rates were approved in 2009 per a Settlement agreement in Docket 09-008-U. Staff rates were approved and made effective on December 1, 2009.
4. Texas depreciation rates were approved on January 11, 2018 in PUC Docket 46449, the rates were made effective on May 20, 2017.

Note 1 - These depreciation and amortization rates will not be changed absent a Section 205 or 206 filing at the Commission.