

AEP West SPP Member Operating Companies
Utilizing FERC Form 1 Data
For rates effective January 1, 2019

SPP SCHEDULE 1 AEP Revenue Requirements

Line No.		AEP Annual Revenue Requirement	PSO Annual Revenue Requirement	SWEPCO Annual Revenue Requirement
A. Schedule 1 ARR For 2019 Rate Year				
1	Total Load Dispatch & Scheduling (Account 561) (TCOS Line 65)	\$33,182,570	\$16,315,681	\$16,866,889
2	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)	\$28,914,675	\$14,495,833	\$14,418,842
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)	\$1,999,895	\$679,848	\$1,320,047
5	Less: PTP Service Credit (prior year Sched 1 revenue from PTP transactions)	373,081	\$169,877	\$203,204
6	ZONAL ARR FOR RATE YEAR (Line 4 - Line 5)	\$1,626,814	\$509,971	\$1,116,843
			31.348%	68.652%
B. Schedule 1 2019 Rate Year Calculations				
7	Rate Year AEP West Zone SPP Average 12-Mo. Peak Demand (Load WS, In 20)		8,394 MW	
8	Annual Point-to-Point Rate in \$/MW - Year (Line 6 / Line 7)		\$193.81	
9	Monthly Point-to-Point Rate (In 8 / 12) \$/MW - Month (Line 8 / 12)		\$16.15	
10	Weekly Point-to-Point Rate (In 8 / 52) \$/MW - Weekly (Line 8 / 52)		\$3.73	
11	Daily Off-Peak Point-to-Point Rate (In 8 / 365) \$/MW - Day (Line 8 / 365)		\$0.53	
12	Hourly Off-Peak Point-to-Point Rate (In 8 / 8760) \$/MW - Hour (Line 8 / 8760)		\$0.02	

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

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

PUBLIC SERVICE COMPANY OF OKLAHOMA

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)	(K) = (I) - (J)	(L)	(M)	(N) = (L)-(M)	(O)	(P) = (H)+(K)+(N)+(O)	(Q) = (G) + (P)	
<u>Projected ARR For 2019 From WS-F</u>							<u>True-Up ARR CY 2017 From Worksheet G</u>										
							<u>Base ARR</u>			<u>Incentive ARR</u>				<u>Total ADJUSTED Revenue Requirement Effective 1/1/2019</u>			
<u>Sheet Name</u>	<u>Owner</u>	<u>Project Description</u>	<u>Year in Service</u>	<u>Base ARR</u>	<u>Incentive</u>	<u>Total</u>	<u>TRUE-UP Adjustment (WS-G)</u>	<u>Projected ADJUSTED ARR from Prior Update</u>	<u>As Billed by SPP (for Prior Yr T-Service)</u>	<u>COLLECTION Adjustment</u>	<u>True-up</u>	<u>As Billed</u>	<u>Change</u>	<u>Interest</u>	<u>Total Adjustments (Forecast, Billing, & Interest)</u>		
P.001	PSO	Riverside-Glenpool (81-523) Reconductor	2009	102,570	-	102,570	167	108,625	107,850	775	-	-	-	628	1,570	106,703	
P.002	PSO	Craig Jct. to Broken Bow Dam 138 Rebuild (7.7mi)	2009	532,941	-	532,941	5,769	569,389	565,325	4,064	-	-	-	6,553	16,386	562,610	
P.003	PSO	WFEC New 138 kV Ties: Sayre to Erick (WFEC) Line & Atoka and Tupelo station work	2009	1,310,791	-	1,310,791	8,501	1,395,040	1,385,083	9,957	-	-	-	12,300	30,757	1,374,280	
P.004	PSO	Cache-Snyder to Altus Jct. 138 kV line (w/2 ring bus stations)	2008	1,638,223	-	1,638,223	(1,994)	1,732,229	1,719,866	12,363	-	-	-	6,910	17,279	1,696,672	
P.005	PSO	Catoosa 138 kV Device (Cap. Bank)	2006	41,810	-	41,810	317	44,547	44,229	318	-	-	-	423	1,058	43,894	
P.006	PSO	Pryor Junction 138/69 Upgrade Transf	2008	170,177	-	170,177	1,038	181,020	179,728	1,292	-	-	-	1,553	3,882	178,283	
P.007	PSO	Elk City - Elk City 69 kV line (CT Upgrades)*	2007	9,409	-	9,409	36	9,986	9,914	71	-	-	-	72	179	9,821	
P.008	PSO	Weleetka & Okmulgee Wavetrap replacement 81-805*	2006	6,060	-	6,060	113	6,524	6,478	47	-	-	-	106	266	6,475	
P.009	PSO	Tulsa Southeast Upgrade (repl switches)*	2007	7,989	-	7,989	141	8,592	8,531	61	-	-	-	135	337	8,523	
P.010	PSO	Wavetrap Clinton City-Foss Tap 69kV Ckt 1*	2010	11,204	-	11,204	107	11,954	11,868	85	-	-	-	128	321	11,806	
P.011	PSO	Bartlesville SE to Coffeyville T Rebuild	2011	165,913	-	165,913	1,120	176,532	175,272	1,260	-	-	-	1,586	3,966	174,058	
P.012	PSO	Canadian River - McAlester City 138 kV Line Conversion	2012	403,446	-	403,446	1,187	427,589	424,537	3,052	-	-	-	2,825	7,064	420,760	
P.013	PSO	CoffeyvilleT to Dearing 138 kv Rebuild - 1.1 mi*	2010	2,667	-	2,667	15	2,835	2,815	20	-	-	-	23	58	2,793	
P.014	PSO	Ashdown West - Craig Junction	2013	117,696	-	117,696	10,278	167,053	165,861	1,192	-	-	-	7,644	19,114	139,744	
P.015	PSO	Locust Grove to Lone Star 115 kV Rebuild 2.1 miles	2014	279,099	-	279,099	1,635	297,530	295,407	2,124	-	-	-	2,504	6,263	292,485	
P.016	PSO	Cornville Station Conversion	2014	637,219	-	637,219	4,015	678,593	673,750	4,843	-	-	-	5,903	14,761	668,299	
P.017	PSO	Grady Customer Connection	2015	216,742	-	216,742	1,342	221,275	219,696	1,579	-	-	-	1,947	4,868	227,184	
P.018	PSO	Darlington-Red Rock 138 kV line	2014	215,061	-	215,061	4,038	231,624	229,971	1,653	-	-	-	3,792	9,483	230,038	
P.019	PSO	Valliant-NW Texarkana 345 kV	2017	175,351	-	175,351	(269)	105,642	104,888	754	-	-	-	323	808	180,693	
P.020	PSO	Sayre 138 kV Capacitor Bank Addition	2017	153,019	-	153,019	41,572	30,733	30,514	219	-	-	-	27,849	69,641	226,638	
P.021	PSO	Darlington-Roman Nose 138 kV	2017	34,470	-	34,470	5,013	19,338	19,200	138	-	-	-	3,433	8,584	43,946	
P.022	PSO	Northeastern Station 138 kV Terminal Upgrades	2018	32,701	-	32,701	-	-	-	-	-	-	-	-	-	33,551	
P.023	PSO	Elk City 138 KV Move Load	2018	273,321	-	273,321	-	-	-	-	-	-	-	-	-	280,427	
P.024	PSO	Fort Townson-Valliant Line Rebuild	2019	73,420	-	73,420	-	-	-	-	-	-	-	-	-	73,420	
P.025	PSO	Duncan-Comanche Tap 69 KV Rebuild and Duncan station upgrades	2018	162,969	-	162,969	-	-	-	-	-	-	-	-	-	167,205	
P.026	PSO	Tulsa Southeast - E. 61st St 138 kV Rebuild	2019	280,481	-	280,481	-	-	-	-	-	-	-	-	-	289,443	
P.027	PSO	Broken Arrow North-Lynn Lane East 138 kV	2019	230,013	-	230,013	-	-	-	-	-	-	-	-	-	237,362	
PSO Total				7,284,760	-	7,284,760	#	84,142	6,426,650	6,380,782	45,868	-	-	-	86,635	216,645	7,687,111

*<\$100K investment

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

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

SOUTHWESTERN ELECTRIC POWER COMPANY

Note: Some project's final true-up cost may not meet SPP's \$100,000 threshold for socialization. In that case a true-up of the prior year ARR will be made in columns (H) through (O), but no projected ARR will be shown in columns (E) through (G) for the current year.

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (E) + (F)	(H)	(I)	(J)	(K) = (I) - (J)	(L)	(M)	(N) = (L)-(M)	(O)	(P) = (H)+(K)+(N)+(O)	(R) = (G) + (P)
Projected ARR For 2019 From WS-F							True-Up ARR From 2017 From Worksheet G									
							Base ARR			Incentive ARR			Total Adjustments		Total ADJUSTED	
Sheet	Owner	Project Description	Year in Service	Base ARR	Incentive	Total	TRUE-UP Adjustment (WS-G)	Projected ADJUSTED ARR from Prior Update	As Billed by SPP (for Prior Yr T-Service)	COLLECTION Adjustment	True-up	As Billed	Change	Interest	(Forecast, Billing, & Interest)	Revenue Requirement Effective 1/1/2019
S.001	SWE	Arsenal Hill Auto xfmr & AH to Water Works line	2009	1,767,152	-	1,767,152	(19,038)	2,076,341	1,987,492	88,848	-	-	-	23,021	92,831	1,905,509
S.002	SWE	SW Shreveport (sub work & tap)	2009	810,810	-	810,810	2,988	961,731	920,577	41,153	-	-	-	14,556	58,697	890,166
S.003	SWE	[NW Ark Area Improve - 2009] E. Centerton-Flint Crk, E Rogers-N Rogers, Centerton	2009	1,371,566	-	1,371,566	(31,219)	1,599,053	1,530,628	68,425	-	-	-	12,269	49,475	1,456,355
S.004	SWE	Rebuild N. Magazine - Danville 161 kV Line	2009	1,151,409	-	1,151,409	(22,742)	1,345,038	1,287,482	57,555	-	-	-	11,480	46,294	1,227,315
S.005	SWE	[Greenwood, AR Area Improve] N Huntington, Greenwood, Reeves, Bonanza	2009	298,216	-	298,216	(3,253)	350,359	335,367	14,992	-	-	-	3,871	15,611	321,510
S.006	SWE	Port Robson-Caplis Line (SW 138 kV Loop -- 2009)	2009	3,799,504	-	3,799,504	(8,206)	4,488,582	4,296,512	192,070	-	-	-	60,632	244,497	4,142,641
S.007	SWE	Linwood 138 Station Switch Replacement*	2009	7,661	-	7,661	(63)	9,017	8,631	386	-	-	-	107	430 *	8,287
S.008	SWE	Dyess to S. Fayetteville 69 kV Convert to 161 kV (multi-projects)	2008	934,479	-	934,479	(909)	1,105,096	1,057,808	47,288	-	-	-	15,294	61,674	1,019,985
S.009	SWE	Northwest Texarkana-Bann-Alumax Tap 138kV -- reconductor	2008	276,575	-	276,575	(6,284)	322,480	308,681	13,799	-	-	-	2,478	9,994	293,652
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	18,067	-	18,067	(539)	20,968	20,071	897	-	-	-	118	477	19,005
S.013	SWE	Carthage REC - Carthage T 138 kV	2006	552,385	-	552,385	-	653,250	625,296	27,953	-	-	-	9,218	37,171	603,625
S.014	SWE	NW Henderson - Oak Hill 138 kV line*	2007	7,887	-	7,887	(88)	9,266	8,870	397	-	-	-	102	411 *	8,499
S.015	SWE	Arsenal Hill 138kV Device (Cap. Bank)	2007	34,874	-	34,874	(714)	40,731	38,988	1,743	-	-	-	339	1,369	37,123
S.016	SWE	Daingerfield - Jenkins REC 69 kV CB Repl**	2008	38,329	-	38,329	241	45,535	43,587	1,948	-	-	-	722	2,911	42,223
S.017	SWE	Linwood-McWillie 138 kV Rebuild	2008	189,756	-	189,756	(3,962)	221,524	212,045	9,479	-	-	-	1,820	7,337	201,940
S.018	SWE	Port Robson (SW 138 kV Loop -- 2008)	2009	-	-	-	-	-	-	-	-	-	-	-	-	-
S.019	SWE	Wallace Lake-Prt Robson-Red Point 138 kV Loop	2008	436,084	-	436,084	(9,682)	508,897	487,121	21,776	-	-	-	3,988	16,082	463,307
S.020	SWE	[NW Ark Area Improve - 2008] Elm Springs, East Rogers, Shipe Road Stations	2008	-	-	-	-	-	-	-	-	-	-	-	-	-
S.021	SWE	Reconductor 4 mi. of McNabb-Turk	2010	165,581	-	165,581	(870)	195,238	186,883	8,354	-	-	-	2,468	9,952	179,809
S.022	SWE	Longwood: r&r switches, upgrade bus	2010	20,861	-	20,861	(270)	24,475	23,428	1,047	-	-	-	256	1,033	22,434
S.023	SWE	Reconductor: Greggton-Lake Lamond & Quitman-Westwood 69 kV lines	2010	485,788	-	485,788	(5,870)	570,270	545,867	24,402	-	-	-	6,112	24,644	522,997
S.024	SWE	Rebuild/reconductor Dyess-Elm Springs REC [Dyess Station-Flint Creek]	2010	531,716	-	531,716	(6,143)	624,400	597,681	26,719	-	-	-	6,785	27,361	572,827
S.025	SWE	Replace switch at Diana*	2010	9,118	-	9,118	(123)	10,693	10,235	458	-	-	-	110	445 *	9,799
S.026	SWE	Whitney repl CB and Switches	2011	26,174	-	26,174	(738)	30,401	29,100	1,301	-	-	-	186	748 *	27,607
S.027	SWE	Linwood - Powell Street 138 kV	2012	44,709	-	44,709	(596)	52,437	50,193	2,244	-	-	-	543	2,191 *	48,072
S.028	SWE	Bloomburg-Texarkana Plant	2012	559,092	-	559,092	(7,335)	655,757	627,696	28,060	-	-	-	6,835	27,560 *	601,308
S.029	SWE	Knox Lee - Pirkey 138 kV / Pirkey - Whitney 138 kV - Replace Breaker, Wavetraps, and reset relays and CT's	2012	202,158	-	202,158	(2,950)	236,873	226,737	10,136	-	-	-	2,370	9,556 *	217,031
S.030	SWE	NW Texarkana - Turk 345	2012	5,084,324	-	5,084,324	(75,353)	5,956,553	5,701,667	254,886	-	-	-	59,204	238,738 *	5,456,533
S.031	SWE	Lone Star South - Pittsburg 138 kV - Replace Wavetraps, reset CT's and Relays	2012	24,453	-	24,453	(278)	28,713	27,484	1,229	-	-	-	313	1,264 *	26,357
S.032	SWE	Howell-Kilgore 69 kV rebuild	2012	443,775	-	443,775	(6,691)	519,829	497,585	22,244	-	-	-	5,129	20,682 *	476,094
S.033	SWE	Flint Creek-Shipe Road 345 kV Line	2012	6,492,529	-	6,492,529	(97,830)	7,603,950	7,278,571	325,379	-	-	-	75,038	302,587 *	6,966,769
S.034	SWE	Bann - LS Ordnance - Hooks 69 kV - Rebuild 7.1 mi	2013	934,465	-	934,465	(14,420)	1,091,781	1,045,062	46,718	-	-	-	10,651	42,950 *	1,002,071

AEP Transmission Formula Rate Template
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AEP Schedule 11 Revenue Requirement Including True-Up of Prior Collections

SOUTHWESTERN ELECTRIC POWER COMPANY

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(A)	(B)	(C)	(D)	(E)	(F)	(G) = (E) + (F)	(H)	(I)	(J)	(K) = (I) - (J)	(L)	(M)	(N) = (L)-(M)	(O)	(P) = (H)+(K)+(N)+(O)	(R) = (G) + (P)
Projected ARR For 2019 From WS-F							True-Up ARR From 2017 From Worksheet G									
							Base ARR			Incentive ARR				Total ADJUSTED Revenue Requirement Effective 1/1/2019		
Sheet Name	Owner	Project Description	Year in Service	Base ARR	Incentive	Total	TRUE-UP Adjustment (WS-G)	Projected ADJUSTED ARR from Prior Update	As Billed by SPP (for Prior Yr T-Service)	COLLECTION Adjustment	True-up	As Billed	Change	Interest	Total Adjustments (Forecast, Billing, & Interest)	Total ADJUSTED Revenue Requirement Effective 1/1/2019
S.035	SWE	Diana - Replace North Autotransformer #3	2013	472,564	-	472,564	(7,779)	543,536	520,278	23,258	-	-	-	5,104	20,583 *	505,619
S.036	SWE	Osburn 161 kV Line Work	2013	707,805	-	707,805	(21,829)	793,379	759,430	33,949	-	-	-	3,997	16,117 *	742,695
S.037	SWE	SW Shreveport to Spring Ridge REC 138 kV Line Rebuild	2013	548,891	-	548,891	(8,781)	639,722	612,348	27,374	-	-	-	6,131	24,725 *	588,101
S.038	SWE	Eastex Switching Station - Whitney 138 kV Station - Rebuild 2.5 miles of 138 Kv	2013	285,789	-	285,789	(3,551)	338,190	323,718	14,471	-	-	-	3,601	14,521 *	307,846
S.039	SWE	Ashdown West - Craig Junction 138KV Rebuild (tie w/PSO)	2013	465,443	-	465,443	(6,842)	545,257	521,925	23,332	-	-	-	5,438	21,928 *	499,626
S.040	SWE	Rock Hill to Carthage 69 kV Rebuild 11.4 Miles	2014	1,065,892	-	1,065,892	(16,090)	1,250,367	1,196,863	53,504	-	-	-	12,338	49,752 *	1,143,902
S.041	SWE	Broadmoor to Fern Street 69 kV Rebuild 1 mile	2014	546,158	-	546,158	(8,094)	645,114	617,509	27,605	-	-	-	6,434	25,946 *	586,639
S.042	SWE	Northwest Henderson to Poynter 69 kV Rebuild 3.2 miles	2014	587,930	-	587,930	(9,922)	684,403	655,117	29,286	-	-	-	6,386	25,749 *	629,287
S.043	SWE	Diana to Perdue 138 kV Rebuild 21.8 miles; Station Upgrades at Diana and Perdue	2014	1,656,691	-	1,656,691	(36,317)	1,933,259	1,850,533	82,726	-	-	-	15,304	61,713 *	1,762,477
S.044	SWE	Pittsburg-Winnsboro-North Mineola	2007	2,776,247	-	2,776,247	573,184	3,760,502	3,599,587	160,915	-	-	-	242,082	976,181 *	3,822,901
S.045	SWE	CHAMBER SPRINGS - TONTITOWN 161KV CKT 1	2007	249,361	-	249,361	57,700	342,904	328,231	14,673	-	-	-	23,866	96,240 *	351,896
S.046	SWE	CHAMBER SPRINGS - TONTITOWN 345KV CKT 1	2008	1,575,825	-	1,575,825	296,721	2,110,843	2,020,519	90,325	-	-	-	127,635	514,681 *	2,130,665
S.047	SWE	FULTON - HOPE 115KV CKT 1	2012	83,085	-	83,085	5,407	102,833	98,433	4,400	-	-	-	3,234	13,041 *	98,300
S.048	SWE	MINEOLA - NORTH MINEOLA 69KV CKT 1	2010	16,176	-	16,176	2,027	20,826	19,935	891	-	-	-	962	3,881 *	20,475
S.049	SWE	SUGAR HILL 138/69KV TRANSFORMER CKT 1	2010	2,373	-	2,373	394	3,028	2,898	130	-	-	-	173	696 *	3,131
S.050	SWE	Dekalb-New Boston 69 kV	2015	1,814,670	-	1,814,670	(7,943)	2,199,664	2,105,538	94,125	-	-	-	28,420	114,603 *	1,977,701
S.051	SWE	Hardy Street-Waterworks 69 kV	2015	622,066	-	622,066	3,739	749,467	717,397	32,070	-	-	-	11,809	47,618 *	686,328
S.052	SWE	Red Oak (State Line)-North Huntington 69 kV	2015	1,361,979	-	1,361,979	(20,284)	1,638,469	1,568,358	70,111	-	-	-	16,432	66,259 *	1,464,578
S.053	SWE	Mt. Pleasant - West Mt. Pleasant 69 kV Ckt 1)	2015	656,099	-	656,099	(9,999)	789,433	755,652.18	33,780	-	-	-	7,842	31,624 *	705,268
S.054	SWE	Benteler - Port Robson 138 kV Ckt 1 and 2	2015	1,583,803	-	1,583,803	(24,079)	1,896,205	1,815,065	81,140	-	-	-	18,817	75,878 *	1,702,035
S.055	SWE	Ellerbe Rd-S Shreveport 69 kv Build	2016	1,085,625	-	1,085,625	(16,915)	876,829	839,309	37,520	-	-	-	6,795	27,400 *	1,142,149
S.056	SWE	Logansport 138 kv	2016	180,668	-	180,668	(3,251)	187,105	179,099	8,006	-	-	-	1,568	6,324 *	191,842
S.057	SWE	Winnsboro 138 kv	2016	142,548	-	142,548	(2,289)	117,335	112,314	5,021	-	-	-	901	3,632 *	150,005
S.058	SWE	Rock Hill-Springridge Pan-Harr REC 138 kv	2016	2,920,606	-	2,920,606	(31,514)	2,391,381	2,289,052	102,329	-	-	-	23,352	94,167 *	3,093,131
S.059	SWE	Brownlee-North Mrket 69 kv Rebuild	2017	1,879,734	-	1,879,734	(1,110,026)	2,289,490	2,191,521	97,969	-	-	-	(333,743)	(1,345,800) *	584,484
S.060	SWE	Valliant-NW Texarkana 345 kV	2016	11,685,983	-	11,685,983	(577,322)	19,228,049	18,405,265	822,784	-	-	-	80,946	326,408 *	12,326,650
S.061	SWE	Messick 500/230 kV	2016	6,861,564	-	6,861,564	498,954	4,553,762	4,358,902	194,859	-	-	-	228,797	922,610 *	7,968,036
S.062	SWE	Letourneau 69 kV Capacitor Bank Addition	2017	139,911	-	139,911	3,145	86,332	82,638	3,694	-	-	-	2,255	9,094 *	152,777
S.063	SWE	Brooks Street - Edwards Street 69 kV Line Rebuild	2017	656,695	-	656,695	(109,391)	341,200	326,600	14,600	-	-	-	(31,259)	(126,050) *	548,390
S.064	SWE	Hallsville - Marshall New 69 kV Circuit	2017	1,892,111	-	1,892,111	427,917	801,461	767,166	34,295	-	-	-	152,422	614,634 *	2,557,873
S.065	SWE	Daingerfield - Jenkins Rebuild	2017	218,779	-	218,779	34,621	113,671	108,807	4,864	-	-	-	13,021	52,506 *	277,197
S.066	SWE	Broadmoor - Fort Humbug Rebuild	2017	766,025	-	766,025	68,049	398,005	380,974	17,031	-	-	-	28,057	113,137 *	899,861

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

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

SOUTHWESTERN ELECTRIC POWER COMPANY

Note: Some project's final true-up cost may not meet SPP's \$100,000 threshold for socialization. In that case a true-up of the prior year ARR will be made in columns (H) through (O), but no projected ARR will be shown in columns (E) through (G) for the current year.

(A)	(B)	(C)	(D)	(E)	(F)	(G) = (E) + (F)	(H)	(I)	(J)	(K) = (I) - (J)	(L)	(M)	(N) = (L)-(M)	(O)	(P) = (H)+(K)+(N)+(O)	(R) = (G) + (P)
Projected ARR For 2019 From WS-F							True-Up ARR From 2017 From Worksheet G									
							Base ARR			Incentive ARR						
Sheet Name	Owner	Project Description	Year in Service	Base ARR	Incentive	Total	TRUE-UP Adjustment (WS-G)	Projected ADJUSTED ARR from Prior Update	As Billed by SPP (for Prior Yr T-Service)	COLLECTION Adjustment	True-up	As Billed	Change	Interest	Total Adjustments (Forecast, Billing, & Interest)	Total ADJUSTED Revenue Requirement Effective 1/1/2019
S.067	SWE	Chamber Springs - Farmington 161 kV Line	2017	1,081,638	-	1,081,638	97,867	720,922	690,073	30,849	-	-	-	42,446	171,163 *	1,281,924
S.068	SWE	Everside - Northwest Henderson 69KV Line Rebuild	2018	1,170,030	-	1,170,030	-	-	-	-	-	-	-	-	- *	1,201,711
S.069	SWE	Hallsville - Longview Heights 69 KV Line Rebuild	2018	1,096,709	-	1,096,709	-	-	-	-	-	-	-	-	- *	1,126,380
S.070	SWE	Linwood - South Shreveport 138 KV Line Rebuild	2018	949,668	-	949,668	-	-	-	-	-	-	-	-	- *	975,392
S.071	SWE	IPC 138 KV Capacitor Bank Addtion	2018	205,595	-	205,595	-	-	-	-	-	-	-	-	- *	211,177
S.072	SWE	Ellerbe Road - Lucas 69 kV Rebuild	2019	396,082	-	396,082	-	-	-	-	-	-	-	-	- *	409,379
S.073	SWE	Siloam Springs - Siloam Springs City 161 kV Rebuild	2019	192,043	-	192,043	-	-	-	-	-	-	-	-	- *	198,490
SWEPCO Total				77,320,358	-	77,320,358	(285,430)	84,452,178	80,838,398	3,613,780	-	-	-	1,097,582	4,425,932	\$ 83,797,163

*<\$100K investment,

AEP Companies: PSO and SWEPCO
Network Load for January Through December YYYY
Based on West Zone-SPP Monthly Transmission System Firm Peak Demands for the Twelve Months Ended December 31, YYYY

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 Day Hour	February Day Hour	March Day Hour	April Day Hour	May Day Hour	June Day Hour	July Day Hour	August Day Hour	September Day Hour	October Day Hour	November Day Hour	December Day Hour	12 Month Average MW
SPP Load Responsibility														
1	PSO (2)	3179	2790	2269	2377	3598	3911	4095	3816	3735	2962	2243	2828	3150.3
2	SWEPCO excl Valley (2)	3412	2793	2329	2317	3371	3564	3727	3472	3457	3234	2406	2681	3,063.6
3	AECC (3)	776	589	486	347	611	683	731	634	629	452	310	535	565.3
4	AECC-MISO	175	135	117	98	173	187	202	181	172	195	118	241	166.2
5	WFEC (3)	47	41	34	23	36	38	42	37	36	31	27	42	36.2
6	OMPA (3)	99	84	68	74	138	149	160	143	130	85	68	89	107.3
7	OG&E - ATOKA (3)	5	0	5	0	5	2	2	3	0	2	3	5	2.7
8	OG&E - COALGATE (3)	4	0	3	0	3	2	2	2	0	2	1	3	1.8
9	OG&E - TALL BEAR (3)	12	12	14	15	15	15	13	13	13	13	13	14	13.7
10	ETEC (3)	1273	862	708	491	796	864	886	827	800	731	504	900	803.5
11	GREENBELT (3)	9	7	6	8	11	14	18	15	7	3	6	8	9.3
12	LIGHTHOUSE (3)	2	2	1	1	4	3	4	6	2	1	1	2	2.4
13	BENTONVILLE, AR (3)	126	103	92	86	139	158	162	144	150	116	85	108	122.4
14	PRESCOTT, AR (3)	9	9	9	10	9	14	15	14	13	13	11	7	11.1
15	MINDEN, LA (3)	25	21	18	21	34	37	38	35	36	30	20	21	28.0
16	HOPE, AR (3)	45	43	39	39	56	57	56	56	55	51	17	36	45.8
17	COFFEYVILLE, KS (3)	104	98	90	61	102	106	108	104	110	87	93	98	96.8
18	SWEPCO - VALLEY	204	131	109	84	134	132	143	120	127	124	85	142	127.9
19	AECI	50	44	31	23	42	48	53	45	43	32	18	45	39.5
20	System Firm Peak Demands	9556	7764	6428	6075	9277	9984	10459	9667	9515	8164	6029	7805	8393.583 Sched - 9 12CP
Supporting Data														
21	PSO: PSO Native Load (2) (4)	3193	2804	2280	2387	3613	3923	4107	3831	3749	2973	2254	2841	
22	KAMO	0	0	0	0	0	0	0	0	0	0	0	0	
23	GRDA load on PSO no longer used as of Dec 2015 (5)	-	-	-	-	-	-	-	-	-	-	-	-	
24	PSO E&W portion allocated to WFEC zone	0	0	0	0	0	0	0	0	0	0	0	0	
25	100% PSO E&W included in PSO native load	-7	-7	-6	-6	-7	-6	-6	-6	-6	-7	-7	-7	
26	Allen Holdenville	-7	-7	-5	-4	-7	-6	-6	-9	-8	-4	-4	-6	
27	PSO OATT Load Responsibility	3179	2790	2269	2377	3599	3911	4095	3816	3735	2962	2243	2828	3150.333
28	SWEPCO:													
29	SWEPCO Native Load (2)(5)	3616	2924	2438	2401	3505	3696	3870	3592	3584	3358	2491	2823	
30	Dolet Hills Aux. Load (not self-generated)	0	0	0	0	0	0	0	0	0	0	0	0	
31	Less: VALLEY	-204	-131	-109	-84	-134	-132	-143	-120	-127	-124	-85	-142	
32	SWEPCO OATT Load Responsibility	3412	2793	2329	2317	3371	3564	3727	3472	3457	3234	2406	2681	3063.583
33	TOTAL AEP Affiliate Schedule 11 Load													pr yr Sched - 11 12CP
33	TOTAL AEP Affiliate Schedule 11 Load													8394
AEP Schedule 11 Worksheet														
34	PSO OATT Sched 9 load, Ln 1	3179	2790	2269	2377	3598	3911	4095	3816	3735	2962	2243	2828	3150.250
35	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
36	WFEC load already subtracted from PSO schedule 9 load	0	0	0	0	0	0	0	0	0	0	0	0	0.000
37	Subtotal PSO Schedule 11 load	3179	2790	2269	2377	3598	3911	4095	3816	3735	2962	2243	2828	3150.250
38	SWEPCO Sched 11 load, Ln 2	3412	2793	2329	2317	3371	3564	3727	3472	3457	3234	2406	2681	3063.583
39	TOTAL AEP Affiliate Schedule 11 Load	6591	5583	4598	4694	6969	7475	7822	7288	7192	6196	4649	5509	6213.833
40	TOTAL AEP ZONAL SCHEDULE 11	9556	7764	6428	6075	9277	9984	10459	9667	9515	8164	6029	7805	8393.583

NOTES:

- (1) Amounts are MW at the time of the AEP-SPP Internal (MLR) Peak
- (2) At the generator, includes transmission losses.
- (3) At the generator. Transmission losses added to metered values which include appropriate dist.& xfmr losses.
- [4] PSO Native load includes PSO load on GRDA
- (5) SWEPCO Native Load includes Valley

AEP West SPP Member Operating Companies
 Transmission Cost of Service Formula Rate
 Utilizing Actual / Projected Cost Data for the 2019 Rate Year

PUBLIC SERVICE COMPANY OF OKLAHOMA

Line No.			Total	Allocator	Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(ln 115)			\$94,141,628
2	REVENUE CREDITS	(Note A) (Worksheet H)	6,362,727	DA 1.00000	\$ 6,362,727
3	Network Customer Owned Facility Credits	Worksheet B			-
4	REVENUE REQUIREMENT For All Company Facilities	(ln 1 less ln 2 plus ln 3)			\$87,778,901

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)		7,284,760	DA 1.00000	\$ 7,284,760
6	NET PLANT CARRYING CHARGE (w/o incentives) (Note B)				
7	Annual Rate	(ln 1 / ln 37 x 100%)			14.48%
8	Monthly Rate	(ln 7 / 12)			1.21%
9	NET PLANT CARRYING CHARGE ON LINE 7 , W/O DEPRECIATION (w/o incentives) (Note B)				
10	Annual Rate	((ln 1 - ln 84) / ln 37 x 100%)			11.17%
11	NET PLANT CARRYING CHARGE ON LINE 9, W/O INCOME TAXES, RETURN (Note B)				
12	Annual Rate	((ln 1 - ln 84 - ln 109 - ln 110) / ln 37 x 100%)			4.42%
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 2019 Rate Year

PUBLIC SERVICE COMPANY OF OKLAHOMA

	(1)	(2)	(3)	(4)	(5)
Line No.	RATE BASE CALCULATION	Data Sources (See "General Notes")	TO Total NOTE D	Allocator	Total Transmission
14	GROSS PLANT IN SERVICE				
14	Production	(Worksheet A In 3.E)	1,555,683,571	NA	0.00000
15	Less: Production ARO (Enter Negative)	(Worksheet A In 6.E)	(36,352,139)	NA	0.00000
16	Transmission	(Worksheet A In 9.E & Ln 119)	926,734,833	DA	0.92082
17	Less: Transmission ARO (Enter Negative)	(Worksheet A In 12.E)	-	TP	0.92082
18	Distribution	(Worksheet A In 13.E)	2,661,179,611	NA	0.00000
19	Less: Distribution ARO (Enter Negative)	(Worksheet A In 14.E)	-	NA	0.00000
20	General Plant	(Worksheet A In 15.E)	169,199,328	W/S	0.08118
21	Less: General Plant ARO (Enter Negative)	(Worksheet A In 16.E)	(556,590)	W/S	0.08118
22	Intangible Plant	(Worksheet A In 17.E)	142,400,719	W/S	0.08118
23	TOTAL GROSS PLANT	(sum Ins 14 to 22)	5,418,289,333	GP=	0.16216
				GTD=	0.25829
24	ACCUMULATED DEPRECIATION AND AMORTIZATION				
25	Production	(Worksheet A In 22.E)	809,499,594	NA	0.00000
26	Less: Production ARO (Enter Negative)	(Worksheet A In 25.E)	(13,111,738)	NA	0.00000
27	Transmission	(Worksheet A In 28.E & 47.E)	230,246,506	TP1=	0.88210
28	Less: Transmission ARO (Enter Negative)	(Worksheet A In 31.E)	-	TP1=	0.88210
29	Distribution	(Worksheet A In 32.E)	643,807,828	NA	0.00000
30	Less: Distribution ARO (Enter Negative)	(Worksheet A In 33.E)	-	NA	0.00000
31	General Plant	(Worksheet A In 34.E)	46,813,516	W/S	0.08118
32	Less: General Plant ARO (Enter Negative)	(Worksheet A In 35.E)	(415,844)	W/S	0.08118
33	Intangible Plant	(Worksheet A In 36.E)	56,235,934	W/S	0.08118
34	TOTAL ACCUMULATED DEPRECIATION	(sum Ins 25 to 33)	1,773,075,796		
35	NET PLANT IN SERVICE				
36	Production	(In 14 + In 15 - In 25 - In 26)	722,943,576		
37	Transmission	(In 16 + In 17 - In 27 - In 28)	696,488,328		
38	Distribution	(In 18 + In 19 - In 29 - In 30)	2,017,371,783		
39	General Plant	(In 20 + In 21 - In 31 - In 32)	122,245,067		
40	Intangible Plant	(In 22 - In 33)	86,164,784		
41	TOTAL NET PLANT IN SERVICE	(sum Ins 36 to 40)	3,645,213,537	NP=	0.18303
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)	(1,015,185,891)	DA	(164,460,894)
45	Account No. 283.1 (enter negative)	(Worksheet C, In 12 C & In 14 J)	(244,171,628)	DA	(29,718,652)
46	Account No. 190.1	(Worksheet C, In 18 C & In 22 J)	123,669,008	DA	6,974,594
47	Account No. 255 (enter negative)	(Worksheet C, In 26 C & In 28 J)	(3,565)	DA	-
48	TOTAL ADJUSTMENTS	(sum Ins 43 to 47)	(1,135,692,076)		(187,204,952)
49	PLANT HELD FOR FUTURE USE	(Worksheet A In 48.E & 49.E)	302,647	DA	-
50	REGULATORY ASSETS	(Worksheet A In 55.E)	-	DA	-
51	WORKING CAPITAL	(Note F)			
52	Cash Working Capital	(1/8 * In 68) (Note G)	2,195,322		2,021,494
53	Transmission Materials & Supplies	(Worksheet D, In 3 F)	1,739,929	TP	0.92082
54	A&G Materials & Supplies	(Worksheet D, In 4 F)	244,679	W/S	0.08118
55	Stores Expense	(Worksheet D, In 5 F)	-	GP	0.16216
56	Prepayments (Account 165) - Labor Allocated	(Worksheet D, In 8 G)	92,521,862	W/S	0.08118
57	Prepayments (Account 165) - Gross Plant	(Worksheet D, In 8 F)	2,460,594	GP	0.16216
58	Prepayments (Account 165) - Transmission Only	(Worksheet D, In 8 E)	-	DA	1.00000
59	Prepayments (Account 165) - Unallocable	(Worksheet D, In 8 D)	(87,039,053)	NA	0.00000
60	TOTAL WORKING CAPITAL	(sum Ins 52 to 59)	12,123,333		11,553,524
61	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note H) (Worksheet E, In 8 B)	(1,050,066)	DA	1.00000
62	RATE BASE (sum Ins 41, 48, 49, 60, 61)		2,520,897,375		490,471,199

AEP West SPP Member Operating Companies
 Transmission Cost of Service Formula Rate
 Utilizing Actual / Projected Cost Data for the 2019 Rate Year

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
63	OPERATION & MAINTENANCE EXPENSE				
63	Transmission	321.112.b	151,151,160		
64	Less: Transmission Serving Generation	(Note U) Company Records	-		
65	Less: Total Account 561	(Note I) 321.84-92.b	16,315,681		
66	Less: Account 565	(Note J) 321.96.b	117,272,903		
67	Plus: Includable 561 and 565 Expenses	Worksheet I In 10	\$0		
68	Total O&M Allocable to Transmission	(Ins 63 - 64 - 65 - 66 + 67)	17,562,576	TP	0.92082
69	Administrative and General	323.197.b (Note K, M)	52,318,259		
70	Less: Acct. 924, Property Insurance	323.185.b	1,257,930		
71	Acct. 928, Reg. Com. Exp.	323.189.b	2,394,308		
72	Acct. 930.1, Gen. Advert. Exp.	323.191.b	220,868		
73	Acct. 930.2, Misc. Gen. Exp.	323.192.b	4,225,196		
74	Balance of A & G	(In 69 - sum In 70 to In 73)	44,219,957	W/S	0.08118
75	Plus: Acct. 924, Property Insurance	(In 70)	1,257,930	GP	0.16216
76	Acct. 928 - Transmission Specific	Worksheet J In 16.(E) (Note L)	-	TP	0.92082
77	Acct 930.1 - Only safety related ads -Direct	Worksheet J In 22.(E) (Note L)	-	GP	0.16216
78	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet J In 28.(E) (Note L)	-	DA	1.00000
79	A & G Subtotal	(sum Ins 74 to 78)	45,477,888		3,793,797
80	TOTAL O & M EXPENSE	(In 68 + In 79)	63,040,463		19,965,746
81	DEPRECIATION AND AMORTIZATION EXPENSE				
82	Transmission	336.7.b	23,388,402		
83	Less: Transmission Serving Generation	(Note U) Company Records	-		
84	Includable Transmission	(In 82 - In 83)	23,388,402	TP	0.92082
85	General	336.10.b	6,968,938	W/S	0.08118
86	Intangible	336.1.d	14,001,293	W/S	0.08118
87	TOTAL DEPRECIATION AND AMORTIZATION	(sum Ins 84 to 86)	44,358,633		23,238,862
88	TAXES OTHER THAN INCOME	(Note N)			
89	Labor Related				
90	Payroll	Worksheet L, Col. D	5,875,574	W/S	0.08118
91	Plant Related				
92	Property	Worksheet L, Col. C	40,421,500	GP	0.16216
93	Non-Allocable Taxes, incl. Transmission Serving Gen.	Worksheet L, Col. F	-	NA	0.00000
94	Other	Worksheet L, Col. E	194,000	GP	0.16216
95	TOTAL OTHER TAXES	(sum Ins 90 to 94)	46,491,074		7,063,013
96	INCOME TAXES	(Note O)			
97	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$		25.34%		
98	$EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =$		22.43%		
99	where WCLTD=(In 139) and WACC = (In 142)				
100	and FIT, SIT & p are as given in Note O.				
101	$GRCF=1 / (1 - T) =$ (from In 97)		1.3394		
102	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, In 19.c)	(1,587,956)		
103	Excess / (Deficit) Deferred Income Tax	Company Records (Note O)	(22,631,096)	DA	(1,910,601)
104	Tax Effect of Permanent and Flow Through Differences	Company Records (Note O)	550,410	DA	60,480
105	Income Tax Prior to Adjustments	(In 98 * In 110)	44,013,567		8,563,374
106	ITC adjustment	(In 101 * In 102)	(2,126,834)	NP	(389,268)
107	Excess / (Deficit) Deferred Income Tax	(In 101 * In 103)	(30,311,033)	DA	(2,558,970)
108	Tax Effect of Permanent and Flow Through Differences	(In 101 * In 104)	737,193	DA	81,004
109	TOTAL INCOME TAXES	(sum Ins 105 to 108)	12,312,894		5,696,140
110	RETURN ON RATE BASE (Rate Base*WACC)	(In 62 * In 142)	196,224,537		38,177,867
111	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note E) (Worksheet E, In 2)		-	DA	1.00000
112	REVENUE REQUIREMENT BEFORE TEXAS GROSS MARGIN TAX		362,427,601		94,141,628
113	(sum Ins 80, 87, 95, 109, 110, 111)				
114	TEXAS GROSS MARGIN TAX (Note P) (Worksheet K)		-	DA	-
115	REVENUE REQUIREMENT INCL GROSS MARGIN TAX	(In 112 + 114)	362,427,601		94,141,628

AEP West SPP Member Operating Companies
 Transmission Cost of Service Formula Rate
 Utilizing Actual / Projected Cost Data for the 2019 Rate Year

PUBLIC SERVICE COMPANY OF OKLAHOMA

SUPPORTING CALCULATIONS

In No.	TRANSMISSION PLANT INCLUDED IN SPP TARIFF								
116	Total transmission plant	(In 16)						926,734,833	
117	Less transmission plant excluded from SPP Tariff (Worksheet A, In 42 Col. (E)) (Note Q)							49,567,327	
118	Less transmission plant included in OATT Ancillary Services (Worksheet A, In 39, Col. (E)) (Note R)							23,812,668	
119	Transmission plant included in SPP Tariff	(In 116 - In 117 - In 118)						<u>853,354,839</u>	
120	Percent of transmission plant in SPP Tariff	(In 119 / In 116)							TP= 0.92082
121	WAGES & SALARY ALLOCATOR (W/S)	(Note S)							
122	Production	354.20.b		Direct Payroll	Payroll Billed from AEP Service Corp.	Total			
123	Transmission	354.21.b		25,802,085	10,819,590	36,621,675	NA	0.00000	-
124	Regional Market Expenses	354.22.b		3,963,048	2,877,440	6,840,488	TP	0.92082	6,298,850
125	Distribution	354.23.b		-	-	-	NA	0.00000	-
126	Other (Excludes A&G)	354.24,25,26.b		21,080,498	1,917,077	22,997,575	NA	0.00000	-
127	Total	(sum Ins 122 to 126)		<u>55,984,022</u>	<u>21,606,266</u>	<u>77,590,288</u>	NA	0.00000	<u>6,298,850</u>
128	Transmission related amount								W/S= 0.08118
129	WEIGHTED AVERAGE COST OF CAPITAL (WACC)								
130	Long Term Interest	Long Term Interest (Worksheet M, In. 21, col. (E))						\$	
131	Preferred Dividends	Preferred Stock Dividends (Worksheet M, In. 44, col. (E))						69,438,631	
132	Development of Common Stock:							Average	
133	Proprietary Capital	(Worksheet M, In. 1, col. (E))						1,291,048,808	
134	Less Preferred Stock (In 140)	(Worksheet M, In. 2, col. (E))						-	
135	Less Account 216.1	(Worksheet M, In. 3, col. (E))						-	
136	Less Account 219	(Worksheet M, In. 4, col. (E))						1,749,152	
137	Common Stock	(In 133 - In 134 - In 135 - In 136)						<u>1,289,299,655</u>	
138				Capital Structure				Cost	Weighted
139	Avg Long Term Debt (Worksheet M, In. 11, col. (E))		<u>Rate Year Average Balances</u>		<u>Percentage</u>		<u>(Note T)</u>		
140	Avg Preferred Stock (Worksheet M, In. 43, col. (E))		1,341,960,654		51.00%		5.17%	0.0264	
141	Avg Common Stock (In 137) (Note U)		-		0.00%		0.00%	0.0000	
142	Total (sum Ins 139 to 141)		<u>1,289,299,655</u>		49.00%		<u>10.50%</u>	<u>0.0514</u>	
			2,631,260,309					WACC= 0.0778	

AEP West SPP Member Operating Companies
 Transmission Cost of Service Formula Rate
 Utilizing Actual / Projected Cost Data for the 2019 Rate Year

PUBLIC SERVICE COMPANY OF OKLAHOMA

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 68.
- 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 111.
- 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 97) 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. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State tax calculations that are not the result of a timing difference, including but not limited to depreciation related to capitalized AFUDC equity and meals and entertainment deductions. The Tax effect of Flow-Through differences captures current tax expense related to timing differences on items for which tax deductions were used to reduce customer rates through the use of flow-through accounting in a prior period.
- 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, other than Transmission Serving Generation which is removed at Worksheet A. See Note U.
- 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 130) / Long Term Debt (In 139). Preferred Stock cost rate = preferred dividends (In 131) / preferred outstanding (In 140). Common Stock cost rate (ROE) = 10.5%, the rate accepted by FERC in Docket No. ER07-1069. 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 Costs specifically incurred to build, operate, maintain, or depreciate assets which are dedicated to the interconnection of individual generation resources to the SPP transmission network, including generation tie-lines, are deemed to be production-related will be removed from the transmission cost of service. Such costs, referred to herein as Transmission Serving Generation, will be reported in the FERC Form 1 in Transmission functional accounts, and thus adjustments are needed to remove those costs from line items which include them.

AEP West SPP Member Operating Companies
Actual / Projected 2019 Rate Year Cost of Service Formula Rate
Worksheet A - Detailed Plant and Accumulated Depreciation Balances
PUBLIC SERVICE COMPANY OF OKLAHOMA

<u>Line Number</u>	<u>(A) Rate Base Item & Supporting Balance</u>	<u>(B) Source of Data</u>	<u>(C) Balances @ 12/31/2019</u>	<u>(D) Balances 12/31/2018</u>	<u>(E) Average Balance for 2019</u>
Functional ARO investment and accumulated depreciation balances shown below are included in the total functional balances shown here.					
See Note U at the TCOS worksheet for a description of Transmission Serving Generation.					
Plant Investment Balances					
1	Production Plant In Service	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 46	1,564,413,288	1,546,953,853	1,555,683,571
2	Add: Transmission Serving Generation	Company Records			-
3	Formula Production Plant In Service		1,564,413,288	1,546,953,853	1,555,683,571
4	Production Asset Retirement Obligation (ARO)	FF1, page 205&204, Col.(g)&(b), Ins 15,24,34,44	36,352,139	36,352,139	36,352,139
5	Add: Transmission Serving Generation ARO	Company Records			-
6	Formula Production ARO		36,352,139	36,352,139	36,352,139
7	Transmission Plant In Service	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 58	946,288,588	907,181,078	926,734,833
8	Less: Transmission Serving Generation	Company Records			-
9	Formula Transmission Plant In Service		946,288,588	907,181,078	926,734,833
10	Transmission Asset Retirement Obligation (Acct. 359.1)	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 57			-
11	Less: Transmission Serving Generation ARO	Company Records			-
12	Formula Transmission ARO		0	0	-
13	Distribution Plant In Service	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 75	2,729,888,660	2,592,470,562	2,661,179,611
14	Distribution Asset Retirement Obligation	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 74	-	-	-
15	General Plant In Service	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 99	166,578,677	171,819,980	169,199,328
16	General Asset Retirement Obligation (Acct. 399.1)	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 98	556,590	556,590	556,590
17	Intangible Plant In Service	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 5	158,628,152	126,173,286	142,400,719
18	Total Property Investment Balance	(Sum of Lines: 3, 9, 13, 15, 17)	5,565,797,365	5,344,598,760	5,455,198,062
19	Total ARO Balance (included in total on line 18)	(Sum of Lines: 6, 12, 14, 16)	36,908,729	36,908,729	36,908,729
Accumulated Depreciation & Amortization Balances					
20	Production Accumulated Depreciation	FF1, page 219, Ins 20-24, Col. (b)	832,881,920	786,117,268	809,499,594
21	Add: Transmission Serving Generation	Company Records			-
22	Formula Production Plant In Service		832,881,920	786,117,268	809,499,594
23	Production ARO Accumulated Depreciation (included in total on line 20)	Company Records - Note 1	13,753,271	12,470,206	13,111,738
24	Add: Transmission Serving Generation ARO	Company Records			-
25	Formula Production ARO		13,753,271	12,470,206	13,111,738
26	Transmission Accumulated Depreciation	FF1, page 219, In 25, Col. (b)	235,304,624	225,188,387	230,246,506
27	Less: Transmission Serving Generation	Company Records			-
28	Formula Transmission Plant In Service		235,304,624	225,188,387	230,246,506
29	Transmission ARO Accumulated Depreciation (included in total on line 26)	Company Records - Note 1			-
30	Less: Transmission Serving Generation ARO	Company Records			-
31	Formula Transmission ARO		0	0	-
32	Distribution Accumulated Depreciation	FF1, page 219, In 26, Col. (b)	662,412,888	625,202,768	643,807,828
33	Distribution ARO Accumulated Depreciation (included in total on line 32)		0	-	-
34	General Accumulated Depreciation	FF1, page 219, In 28, Col. (b)	45,337,371	48,289,661	46,813,516
35	General ARO Accumulated Depreciation (included in total on line 34)	Company Records - Note 1	415,844	415,844	415,844
36	Intangible Accumulated Amortization	FF1, page 200, In 21, Col. (b)	63,236,581	49,235,288	56,235,934
37	Total Accumulated Depreciation or Amortization	(Sum of Lines: 22, 28, 32, 34, 36) FF1, page 200, In 22, Col (b)	1,839,173,384	1,734,033,373	1,786,603,378
38	Total ARO Balance (included in total on line 37)	(Sum of Lines: 25, 31, 33, 35)	14,169,115	12,886,050	13,527,582
Generation Step-Up Units					
39	GSU Investment Amount (included in total on line 7)	Company Records - Note 1	23,812,668	23,812,668	23,812,668
40	GSU Accumulated Depreciation (Included in total on line 26)	Company Records - Note 1	7,652,492	7,207,255	7,429,873
41	GSU Net Balance	(Line 39 - Line 40)	16,160,176	16,605,413	16,382,795
Transmission Plant Excluded from SPP Tariff (see TCOS Note Q)					
42	Excluded Facilities Investment Amount	Company Records - Note 1	49,567,327	49,567,327	49,567,327
43	Excluded Facilities Accumulated Depreciation	Company Records - Note 1	19,715,588	19,715,588	19,715,588
44	Excluded Facilities Net Balance	(Line 42 - Line 43)	29,851,739	29,851,739	29,851,739
Transmission Accumulated Depreciation Net of GSU/Excluded Facilities Accumulated Depreciation					
45	Transmission Accumulated Depreciation	(Line 28 Above)	235,304,624	225,188,387	230,246,506
46	Less: GSU & Excl Facilities Acc Dep	(Line 40 + Line 43 Above)	27,368,080	26,922,842	27,145,461
47	Subtotal of Transmission Accumulated Depreciation Net of GSU/Excluded Facilities	(Line 45 - Line 46)	207,936,545	198,265,545	203,101,045
Plant Held For Future Use					
48	Plant Held For Future Use	FF1, page 214, In 47, Col. (d)	302,647	302,647	302,647
49	Transmission Plant Held For Future Use (Included in total on line 48)	Company Records - Note 1	-	-	-
NOTE 1 On this worksheet, "Company Records" refers to AEP's property accounting ledger.					
Regulatory Assets and Liabilities Approved for Recovery In Ratebase					
Note: Regulatory Assets & Liabilities can only be included in ratebase pursuant to a 205 filing with FERC.					
50					-
51					-
52					-
53					-
54					-
55	Total Regulatory Deferrals Included in Ratebase		-	-	-

AEP West SPP Member Operating Companies
Actual / Projected 2019 Rate Year Cost of Service Formula Rate
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 2019 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)
Note: Account 281 is not allocated to Transmission									
Account 282 - Form-1 page 274.2.b and 275.2.k									
1	282.1	2019 Year End Tax Deferrals - WS C-1	(1,018,002,789)	7,168,398	-	(1,014,947,274)	-	(10,223,912)	
2	282.1	2018 Year End Tax Deferrals - WS C-2	(1,012,368,994)	7,112,746	-	(1,009,337,568)	-	(10,144,172)	
3		Subtotal	(2,030,371,782)	14,281,144	-	(2,024,284,842)	-	(20,368,085)	
4		Average Balance before Proration	(1,015,185,891)	7,140,572	0	(1,012,142,421)	0	(10,184,042)	
5		Proration Adjustment - WS C-3				3,023,984			
6		Prorated Average balance	(1,015,185,891)	7,140,572	0	(1,009,118,437)	0	(10,184,042)	
7		Transmission Allocator from TCOS		0.0000%	100.0000%	16.2156%	25.8293%	8.1181%	
8		Allocated Total		0	0	(163,634,144)	0	(826,750)	(164,460,894)
Account 283 - Form-1 page 276.9.b and 277.9.k									
9	283.1	2019 Year End Tax Deferrals - WS C-1	(244,171,628)	(52,488,022)	-	(174,839,985)	-	(16,843,621)	
10	283.1	2018 Year End Tax Deferrals - WS C-2	(244,171,628)	(52,488,022)	-	(174,839,985)	-	(16,843,621)	
11		Subtotal	(488,343,256)	(104,976,044)	-	(349,679,971)	-	(33,687,242)	
12		Average Balance	(244,171,628)	(52,488,022)	0	(174,839,985)	0	(16,843,621)	
13		Transmission Allocator from TCOS		0.0000%	100.0000%	16.2156%	25.8293%	8.1181%	
14		Allocated Total		0	0	(28,351,272)	0	(1,367,380)	(29,718,652)
Account 190 - Form-1 page 234, Ln 8, Col. (b) & (c)									
15	190.1	2019 Year End Tax Deferrals - WS C-1	123,669,008	78,212,489	-	40,560,757	-	4,895,763	
16	190.1	2018 Year End Tax Deferrals - WS C-2	123,669,008	78,212,489	-	40,560,757	-	4,895,763	
17		Subtotal	247,338,017	156,424,977	-	81,121,514	-	9,791,525	
18		Average Balance before Proration	123,669,008	78,212,489	0	40,560,757	0	4,895,763	
19		Proration Adjustment - WS C-3			0				
20		Prorated Average balance	123,669,008	78,212,489	0	40,560,757	0	4,895,763	
21		Transmission Allocator from TCOS		0.0000%	100.0000%	16.2156%	25.8293%	8.1181%	
22		Allocated Total		0	0	6,577,151	0	397,442	6,974,594
Account 255 - Form-1 page 266-267									
						Pre 1971 ITC Includable in Rate Base			
23	255.0	Acc Defrd ITC - Federal - 12/31/2019 (FF1 p. 267, Ln 2.h)	(3,565)			-			
24	255.0	Acc Defrd ITC - Federal - 12/31/2018 (FF1 p. 266, Ln 2.b)	(3,565)			-			
25		Subtotal	(7,130)			-			
26		Average Balance	(3,565)			0			
27		Transmission Allocator from TCOS				16.2156%			
28		Allocated Total		N/A	N/A	0	N/A	N/A	0

* 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, 2019**

Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			
						100% Transmission	PTD Plant	T&D	Labor
2821001	210E	210E LIBERALIZED DEPR-ELIG DFL	(111,671,196)	PTD			(111,671,196)		
2821001	230A	230A ACRS BENEFIT NORMALIZED	(333,066,837)	PTD			(333,066,837)		
2821001	230A-MJE	230A ACRS BENEFIT NORMALIZED - MJE	0	PTD			0		
2821001	230G	230G ACRS-ACCRUED BK REMOVAL COSTS	(10,168,603)	PTD			(10,168,603)		
2821001	230I	230I CAPD INTEREST-SECTION 481(a)-CHANGE IN METHD	(754,634)	PTD			(754,634)		
2821001	230J	230J RELOCATION CST-SECTION 481(a)-CHANGE IN METHD	55,575	PTD			55,575		
2821001	230X	230X R & D DEDUCTION - SEC 174	(2,261,126)	PTD			(2,261,126)		
2821001	280H	280H BK PLANT IN SERVICE - SFAS 143 - ARO	(5,162,351)	E	(5,162,351)				
2821001	295A	295A GAIN/LOSS ON ACRS/MACRS PROPERTY	(413,092)	PTD			(413,092)		
2821001	295C	295C GAIN/LOSS-ACRS/MACRS-BK/TX UNIT PROP	1,877,226	PTD			1,877,226		
2821001	295D	295D TAX LOSS ON PLANT RETIREMENTS	(1,730,874)	PTD			(1,730,874)		
2821001	320A	320A ABFUDC	(6,275,727)	PTD			(6,275,727)		
2821001	380J	380J INT EXP CAPITALIZED FOR TAX	11,510,919	PTD			11,510,919		
2821001	390A	390A CIAC - BOOK RECEIPTS	11,430,066	E	11,430,066				
2821001	510H	510H PROPERTY TAX-NEW METHOD-BOOK	(40,006)	PTD			(40,006)		
2821001	532A	532A PERCENT REPAIR ALLOWANCE	(13,616,609)	PTD			(13,616,609)		
2821001	532C	532C BOOK/TAX UNIT OF PROPERTY ADJ	(39,202,901)	PTD			(39,202,901)		
2821001	532D	532D BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	(23,666,358)	PTD			(23,666,358)		
2821001	533J	533J TX ACCEL AMORT - CAPITALIZED SOFTWARE	(1,252,192)	E	(1,252,192)				
2821001	534A	534A CAPITALIZED RELOCATION COSTS	(12,878,875)	PTD			(12,878,875)		
2821001	630R	630R ACCRD ENERGY CONSERV EXPEND	(106,803)	PTD			(106,803)		
2821001	651A	651A IMPAIRED ASSETS REC-FAS 121-BK	3,241,027	E	3,241,027				
2821001	710H	710H AMORT ELEC PLT ACQ ADJS	30,622	E	30,622				
2821001	710T	710T AMORT CHELSEA MUN AUTH-TX	19,092	E	19,092				
2821001	710U	710U CHELSEA ACQUISITON ADJ-25 YR TX	80,503	E	80,503				
2821001	710V	710V PLANT ACQUISITION ADJ-CSIAP-TX	90,473	E	90,473				
2821001	711N	711N CAPITALIZED SOFTWARE COSTS-TAX	2,283	Labor					2,283
2821001	711O	711O BOOK LEASES CAPITALIZED FOR TAX	(20,249)	PTD			(20,249)		
2821001	712K	712K CAPITALIZED SOFTWARE COST-BOOK	(10,127,793)	Labor					(10,127,793)
2821001	910K	910K REMOVAL CST	(67,138,666)	PTD			(67,138,666)		
2821001	910N	910N ACCRUED BK REMOVAL COST - ACRS	8,692,057	PTD			8,692,057		
2821001	930A	930A BOOK > TAX BASIS-PRTSHP INVEST	(1,764,153)	E	(1,764,153)				
2821001	930J	930J PROV FOR WRITEDOWN OF INVEST	386,635	E	386,635				
2821001	940I	940I 1985-1987 IRS AUDIT SETTLEMENT	(81,039)	PTD			(81,039)		
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-OK	(338,720,856)	PTD	0		(338,720,856)		
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-OK	(68,346,029)	PTD	0		(68,346,029)		
2821001		Forecast Adjustment to 282	(6,952,297)	PTD	68,676	0	(6,922,571)	0	(98,402)
282.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	(1,018,002,789)		7,168,398	0	(1,014,947,274)	0	(10,223,912)
		(absolute value Total Company Amount Ties to FF1 p.275(k) -- Acct 282 Electric)							
2831001	014A	014A-DSITC ADSITC STATE C/F-DEF STATE TAX ASSET-LT	(3,571,261)	E	(3,571,261)				
2831001	014C	014C-DSIT NOL-STATE C/F-DEF STATE TAX ASSET-LT	(4,396,333)	E	(4,396,333)				
2831001	014W	014W-DSIT STATE CREDIT C/F-VALUATION ALLOWANCE	0	E	0				
2831001	433B	433B INTEREST-FUEL OVER/UNDER RECOVERY	894	E	894				
2831001	533I	533I INDIAN RESERVATION SECTION 481a ADJUSTMENT	272,242	PTD			272,242		
2831001	575E	575E MTM BK GAIN-A/L-TAX DEFL	130,688	E	130,688				
2831001	576E	576E MARK & SPREAD-DEFL-283-A/L	23,748	E	23,748				
2831001	605B	605B ACCRUED BK PENSION EXPENSE	(16,843,621)	Labor					(16,843,621)
2831001	605C	605C ACCRUED BK PENSION COSTS - SFAS 158	15,604,402	E	15,604,402				
2831001	612E	612E ACCRUED RAIL SETTLEMENT - BNFS	0	E	0				
2831001	630J	630J DEFD STORM DAMAGE	(7,539,977)	E	(7,539,977)				
2831001	630M	630M RATE CASE DEFD CHGS	(62,596)	E	(62,596)				
2831001	632U	632U BK DEFL-DEMAND SIDE MNGMT EXP	(1,565,472)	E	(1,565,472)				
2831001	638A	638A BOOK > TAX BASIS - EMA-A/C 283	21,448	E	21,448				
2831001	660M	660M REG ASSET-CARRY COST ON STRANDED COST	0	E	0				
2831001	660N	660N REG ASSET-DEFD CARRY COST ON STRANDED COST	(0)	E	(0)				
2831001	660R	660R REG ASSET-DEFD ACCR VEGETATION MGT EXPENSE	0	E	0				
2831001	661R	661R REG ASSET-SFAS 158 - PENSIONS	(15,604,402)	E	(15,604,402)				
2831001	661S	661S REG ASSET-SFAS 158 - SERP	(242,682)	E	(242,682)				
2831001	661T	661T REG ASSET-SFAS 158 - OPEB	692,451	E	692,451				
2831001	661U	661U REG ASSET-LAWTON SETTLEMENT	0	E	0				
2831001	661V	661V REG ASSET-RED ROCK FACILITY	(881,702)	E	(881,702)				
2831001	663C	663C REG ASSET-GENERATION MAINTENANCE EXP	0	E	0				
2831001	664E	664E REG ASSET-NON-AMI METERS	(13,967,511)	E	(13,967,511)				
2831001	664F	664F REG ASSET-NON-AMI METERS - AMORT	6,559,567	E	6,559,567				
2831001	665G	665G REG ASSET-UND/REC PSO BPF	(514,207)	E	(514,207)				
2831001	669B	669B REG ASSET-DEFERRED SRR RIDER EXPENSES	0	E	0				
2831001	673H	673H REG ASSET-NE3/COMANCHE ENVIRON DEF	(9,481,963)	E	(9,481,963)				
2831001	673I	673I REG ASSET-NE3/COMANCHE ENVIRON-CONTRA	3,284,346	E	3,284,346				
2831001	673S	673S REG ASSET-INDEPENDENT EVALUATOR DEFRL	0	E	0				
2831001	673X	673X REG ASSET-WIND CATCHER COST RECOV	(93,951)	E	(93,951)				
2831001	674E	674E REG ASSET-NE U4 UNDEPRECIATED BALANCE	(16,447,162)	E	(16,447,162)				
2831001	690F	690F REG ASSET-NBV-ARO-RETIRED PLANTS	2,896	E	2,896				
2831001	900A	900A LOSS ON REACQUIRED DEBT	(936,042)	PTD			(936,042)		
2831001	906A	906A ACCRD SFAS 106 PST RETIRE EXP	(4,587,563)	E	(4,587,563)				
2831001	906D	906D SFAS 106 PST RETIRE EXP - NON-DEDUCT CONT	3,075,790	E	3,075,790				
2831001	906Z	906Z SFAS 106 - MEDICARE SUBSIDY - (PPACA)-REG ASSET	(643,013)	E	(643,013)				
2831001	913Y	913Y BK DEFL - MERGER COSTS	0	E	0				
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-OK	(3,158,434)	PTD			(3,158,434)		
2831001	960X	960X STATE NOL CURRENT BENEFIT	(1,257,375)	E	(1,257,375)				
2831001		TAX ADJUSTMENTS	(1,027,081)	E	(1,027,081)				
2831002	911Q	911Q-DSIT DSIT ENTRY - NORMALIZED	(171,017,751)	PTD			(171,017,751)		
		Forecast Adjustment to 283	0		0		0		0
283.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	(244,171,628)		(52,488,022)	0	(174,839,985)	0	(16,843,621)
		(absolute value Total Company Amount Ties to FF1 p.277(k) -- Acct 283 Electric)							

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, 2019**

Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			
						100% Transmission	PTD Plant	T&D Labor	
1901001	011C	011C-DFIT TAX CREDIT C/F - DEF TAX ASSET	(659,755)	E	(659,755)				
1901001	011C-MJE	011C-MJE TAX CREDIT C/F - DEF TAX ASSET- MJE	659,755	E	659,755				
1901001	014A	014A ACCUM DITC-STATE-A/C 2550002	4,502,586	E	4,502,586				
1901001	433F	433F PSO-FUEL O/U RECOVERY-WSLE	133,486	E	133,486				
1901001	460A	460A UNBILLED REVENUE	3,689,032	E	3,689,032				
1901001	520A	520A PROVS POSS REV REFDS-A/L	2,064,395	PTD		2,064,395			
1901001	520X	520X PROV FOR RATE REFUND-TAX REFORM	987,945	E	987,945				
1901001	520Y	520Y PROV FOR RATE REFUND-EXCESS PROTECTED	980,580	E	980,580				
1901001	576F	576F MARK & SPREAD-DEFL-190-A/L	(31,612)	E	(31,612)				
1901001	602A	602A PROV WORKER'S COMP	146,765	Labor				146,765	
1901001	605E	605E SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN	330,470	Labor				330,470	
1901001	605F	605F ACCRD SUP EXEC RETIR PLAN COSTS-SFAS 158	242,682	E	242,682				
1901001	605I	605I ACCRD BK SUP. SAVINGS PLAN EXP	128,059	Labor				128,059	
1901001	605J	605J EMPLOYER SAVINGS PLAN MATCH	0	E	0				
1901001	605O	605O ACCRUED PSI PLAN EXP	198,657	Labor				198,657	
1901001	605P	605P STOCK BASED COMP-CAREER SHARES	394,590	E	394,590				
1901001	610A	610A BK PROV UNCOLL ACCTS - ST	33,583	E	33,583				
1901001	610U	610U PROV-TRADING CREDIT RISK - A/L		E	0				
1901001	612Y	612Y ACCRD COMPANYWIDE INCENTV PLAN	1,298,898	Labor				1,298,898	
1901001	613E	613E ACCRUED BOOK VACATION PAY	1,619,992	Labor				1,619,992	
1901001	613K	613K (ICDP)-INCENTIVE COMP DEFERRAL PLAN	148,220	Labor				148,220	
1901001	613Y	613Y ACCRUED BK SEVERANCE BENEFITS	61,108	Labor				61,108	
1901001	615B	615B ACCRUED INTEREST-LONG-TERM - FIN 48	(716,495)	E	(716,495)				
1901001	615B-MJE	615B-MJE ACCRD INTRST-TAX RES-L/T-FIN 48-MJE	605,420	E	605,420				
1901001	615C	615C ACCRUED INTEREST-SHORT-TERM - FIN 48	(24,096)	E	(24,096)				
1901001	615E	615E ACCRUED STATE INCOME TAX EXP	(123,948)	E	(123,948)				
1901001	615O	615O BK DFL RAIL TRANS REV/EXP		E	0				
1901001	639A	639A DEFD BK GAIN-NON-AFF SALE-EMA		E	0				
1901001	641I	641I ADVANCE RENTAL INC (CUR MO)	280,440	PTD		280,440			
1901001	642B	642B DEFD REV-BONUS LEASE SHORT-TERM	33,345	E	33,345				
1901001	642C	642C DEFD REV-BONUS LEASE LONG-TERM	26,593	E	26,593				
1901001	652G	652G REG LIAB-UNREAL MTM GAIN-DEFL	(130,688)	E	(130,688)				
1901001	663U	663U REG ASSET-DEFERRED BASE LOAD PUR PWR	0	E	0				
1901001	712P	712P PROF SERVICES CAPITALIZED-TX	1,009	PTD		1,009			
1901001	906F	906F ACCRD OPEB COSTS - SFAS 158	(692,451)	E	(692,451)				
1901001	906K	906K ACCRD SFAS 112 PST EMPLOY BEN	672,069	Labor				672,069	
1901001	906P	906P ACCRD BOOK ARO EXPENSE - SFAS 143	11,800,149	E	11,800,149				
1901001	911F	911F-FIN48 FIN 48 DSIT	162,824	E	162,824				
1901001	911Q-DSIT	911Q-DSIT DSIT ENTRY - NORMALIZED	35,913,728	PTD		35,913,728			
1901001	911V	911V ACCRD SIT TX RESERVE-LNG-TERM-FIN 48	(558,768)	E	(558,768)				
1901001	911V-MJE	911V-MJE ACCRD SIT TX RES-LNG-TERM-FIN 48-MJE	416,399	E	416,399				
1901001	911W	911W ACCRD SIT TX RESERVE-SHRT-TERM-FIN 48	(20,515)	E	(20,515)				
1901001	940A	940A IRS AUDIT SETTLEMENT	(301,785)	E	(301,785)				
1901001	940X	940X IRS CAPITALIZATION ADJUSTMENT	288,501	PTD		288,501			
1901001	960E	960E AMT CREDIT - DEFERRED	0	E	0				
1901001	960Z	960Z NOL - DEFERRED TAX ASSET RECLASS	0	E	0				
1901001	980A	980A RESTRICTED STOCK PLAN	27,831	E	27,831				
1901001	980J	980J PSI - STOCK BASED COMP	103,897	E	103,897				
1901002	014A-MJE	014A ACCUM DITC-STATE-A/C 2550002-MJE	16,194,103	E	16,194,103				
1901002	014A	014A-DSITC ADSITC STATE C/F-DEF STATE TAX ASSET-L/T	17,006,004	E	17,006,004				
1901002	014C	014C-DSIT NOL-STATE C/F-DEF STATE TAX ASSET-L/T	20,934,919	E	20,934,919				
1901002	014W	014W-DSIT STATE CREDIT C/F-VALUATION ALLOWANCE	0	E	0				
		Forecast Adjustment to 190	4,841,090		2,536,881	2,012,685		291,524	
190.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	123,669,008		78,212,489	0	40,560,757	0	4,895,763
		(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, 2018

Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			T&D	Labor
						100% Transmission	PTD Plant			
2821001	210E	210E LIBERALIZED DEPR-ELIG DFL	(111,671,196)	PTD			(111,671,196)			
2821001	230A	230A ACRS BENEFIT NORMALIZED	(333,066,837)	PTD			(333,066,837)			
2821001	230A-MJE	230A ACRS BENEFIT NORMALIZED - MJE	0	PTD			0			
2821001	230G	230G ACRS-ACCRUED BK REMOVAL COSTS	(10,168,603)	PTD			(10,168,603)			
2821001	230I	230I CAPD INTEREST-SECTION 481(a)-CHANGE IN METHD	(754,634)	PTD			(754,634)			
2821001	230J	230J RELOCATION CST-SECTION 481(a)-CHANGE IN METHC	55,575	PTD			55,575			
2821001	230X	230X R & D DEDUCTION - SEC 174	(2,261,126)	PTD			(2,261,126)			
2821001	280H	280H BK PLANT IN SERVICE - SFAS 143 - ARO	(5,162,351)	E	(5,162,351)					
2821001	295A	295A GAIN/LOSS ON ACRS/MACRS PROPERTY	(413,092)	PTD			(413,092)			
2821001	295C	295C GAIN/LOSS-ACRS/MACRS-BK/TX UNIT PROP	1,877,226	PTD			1,877,226			
2821001	295D	295D TAX LOSS ON PLANT RETIREMENTS	(1,730,874)	PTD			(1,730,874)			
2821001	320A	320A ABFUDC	(6,275,727)	PTD			(6,275,727)			
2821001	380J	380J INT EXP CAPITALIZED FOR TAX	11,510,919	PTD			11,510,919			
2821001	390A	390A CIAC - BOOK RECEIPTS	11,430,066	E	11,430,066					
2821001	510H	510H PROPERTY TAX-NEW METHOD-BOOK	(40,006)	PTD			(40,006)			
2821001	532A	532A PERCENT REPAIR ALLOWANCE	(13,616,609)	PTD			(13,616,609)			
2821001	532C	532C BOOK/TAX UNIT OF PROPERTY ADJ	(39,202,901)	PTD			(39,202,901)			
2821001	532D	532D BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	(23,666,358)	PTD			(23,666,358)			
2821001	533J	533J TX ACCEL AMORT - CAPITALIZED SOFTWARE	(1,252,192)	E	(1,252,192)					
2821001	534A	534A CAPITALIZED RELOCATION COSTS	(12,878,875)	PTD			(12,878,875)			
2821001	630R	630R ACCRD ENERGY CONSERV EXPEND	(106,803)	PTD			(106,803)			
2821001	651A	651A IMPAIRED ASSETS RES-FAS 121-BK	3,241,027	E	3,241,027					
2821001	710H	710H AMORT ELEC PLT ACQ ADJS	30,622	E	30,622					
2821001	710T	710T AMORT CHELSEA MUN AUTH-TX	19,092	E	19,092					
2821001	710U	710U CHELSEA ACQUISITON ADJ-25 YR TX	80,503	E	80,503					
2821001	710V	710V PLANT ACQUISITION ADJ-CSIAP-TX	90,473	E	90,473					
2821001	711N	711N CAPITALIZED SOFTWARE COSTS-TAX	2,283	Labor					2,283	
2821001	711O	711O BOOK LEASES CAPITALIZED FOR TAX	(20,249)	PTD			(20,249)			
2821001	712K	712K CAPITALIZED SOFTWARE COST-BOOK	(10,127,793)	Labor					(10,127,793)	
2821001	910K	910K REMOVAL CST	(67,138,666)	PTD			(67,138,666)			
2821001	910N	910N ACCRUED BK REMOVAL COST - ACRS	8,692,057	PTD			8,692,057			
2821001	930A	930A BOOK > TAX BASIS-PRTSHP INVEST	(1,764,153)	E	(1,764,153)					
2821001	930J	930J PROV FOR WRITEDOWN OF INVEST	386,635	E	386,635					
2821001	940I	940I 1985-1987 IRS AUDIT SETTLEMENT	(81,039)	PTD			(81,039)			
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-OK	(338,720,856)	PTD			(338,720,856)			
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-OK	(68,346,029)	PTD			(68,346,029)			
2821001		Forecast Adjustment to 282	(1,318,502)	PTD	13,024	0	(1,312,865)	0	(18,662)	
282.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL (absolute value Total Company Amount Ties to FF1 p.275(k) -- Acct 282 Electric)	(1,012,368,994)		7,112,746	0	(1,009,337,568)	0	(10,144,172)	
2831001	014A	014A-DSITC ADSITC STATE C/F-DEF STATE TAX ASSET-L/T	(3,571,261)	E	(3,571,261)					
2831001	014C	014C-DSIT NOL-STATE C/F-DEF STATE TAX ASSET-L/T	(4,396,333)	E	(4,396,333)					
2831001	014W	014W-DSIT STATE CREDIT C/F-VALUATION ALLOWANCE	0	E	0					
2831001	433B	433B INTEREST-FUEL OVER/UNDER RECOVERY	894	E	894					
2831001	533I	533I INDIAN RESERVATION SECTION 481a ADJUSTMENT	272,242	PTD			272,242			
2831001	575E	575E MTM BK GAIN-A/L-TAX DEFL	130,688	E	130,688					
2831001	576E	576E MARK & SPREAD-DEFL-283-A/L	23,748	E	23,748					
2831001	605B	605B ACCRUED BK PENSION EXPENSE	(16,843,621)	Labor					(16,843,621)	
2831001	605C	605C ACCRUED BK PENSION COSTS - SFAS 158	15,604,402	E	15,604,402					
2831001	612E	612E ACCRUED RAIL SETTLEMENT - BNFS	0	E	0					
2831001	630J	630J DEFD STORM DAMAGE	(7,539,977)	E	(7,539,977)					
2831001	630M	630M RATE CASE DEFD CHGS	(62,596)	E	(62,596)					
2831001	632U	632U BK DEFL-DEMAND SIDE MNGMT EXP	(1,565,472)	E	(1,565,472)					
2831001	638A	638A BOOK > TAX BASIS - EMA-A/C 283	21,448	E	21,448					
2831001	660M	660M REG ASSET-CARRY COST ON STRANDED COST	0	E	0					
2831001	660N	660N REG ASSET-DEFD CARRY COST ON STRANDED COST	(0)	E	(0)					
2831001	660R	660R REG ASSET-DEFD ACCR VEGETATION MGT EXPENSE	0	E	0					
2831001	661R	661R REG ASSET-SFAS 158 - PENSIONS	(15,604,402)	E	(15,604,402)					
2831001	661S	661S REG ASSET-SFAS 158 - SERP	(242,682)	E	(242,682)					
2831001	661T	661T REG ASSET-SFAS 158 - OPEB	692,451	E	692,451					
2831001	661U	661U REG ASSET-LAWTON SETTLEMENT	0	E	0					
2831001	661V	661V REG ASSET-RED ROCK FACILITY	(881,702)	E	(881,702)					
2831001	663C	663C REG ASSET-GENERATION MAINTENANCE EXP	0	E	0					
2831001	664E	664E REG ASSET-NON-AMI METERS	(13,967,511)	E	(13,967,511)					
2831001	664F	664F REG ASSET-NON-AMI METERS - AMORT	6,559,567	E	6,559,567					
2831001	665G	665G REG ASSET-UND/REC PSO BPF	(514,207)	E	(514,207)					
2831001	669B	669B REG ASSET-DEFERRED SRR RIDER EXPENSES	0	E	0					
2831001	673H	673H REG ASSET-NE3/COMANCHE ENVIRON DEF	(9,481,963)	E	(9,481,963)					
2831001	673I	673I REG ASSET-NE3/COMANCHE ENVIRON-CONTRA	3,284,346	E	3,284,346					
2831001	673S	673S REG ASSET-INDEPENDENT EVALUATOR DEFRL	0	E	0					
2831001	673X	673X REG ASSET-WIND CATCHER COST RECOV	(93,951)	E	(93,951)					
2831001	674E	674E REG ASSET-NE U4 UNDEPRECIATED BALANCE	(16,447,162)	E	(16,447,162)					
2831001	690F	690F REG ASSET-NBV-ARO-RETIRED PLANTS	2,896	E	2,896					
2831001	900A	900A LOSS ON REACQUIRED DEBT	(936,042)	PTD			(936,042)			
2831001	906A	906A ACCRD SFAS 106 PST RETIRE EXP	(4,587,563)	E	(4,587,563)					
2831001	906D	906D SFAS 106 PST RETIRE EXP - NON-DEDUCT CONT	3,075,790	E	3,075,790					
2831001	906Z	906Z SFAS 106 - MEDICARE SUBSIDY - (PPACA)-REG ASSE	(643,013)	E	(643,013)					
2831001	913Y	913Y BK DEFL - MERGER COSTS	0	E	0					
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-OK	(3,158,434)	PTD			(3,158,434)			
2831001	960X	960X STATE NOL CURRENT BENEFIT	(1,257,375)	E	(1,257,375)					
2831001		TAX ADJUSTMENTS	(1,027,081)	E	(1,027,081)					
2831002	911Q	911Q-DSIT DSIT ENTRY - NORMALIZED	(171,017,751)	PTD			(171,017,751)			
		Forecast Adjustment to 283	0		0	0	0	0	0	
283.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL (absolute value Total Company Amount Ties to FF1 p.277(k) -- Acct 283 Electric)	(244,171,628)		(52,488,022)	0	(174,839,985)	0	(16,843,621)	

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, 2018

Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			
						100% Transmission	PTD Plant	T&D	Labor
1901001	011C	011C-DFIT TAX CREDIT C/F - DEF TAX ASSET	(659,755)	E	(659,755)				
1901001	011C-MJE	011C-MJE TAX CREDIT C/F - DEF TAX ASSET- MJE	659,755	E	659,755				
1901001	014A	014A ACCUM DITC-STATE-A/C 2550002	4,502,586	E	4,502,586				
1901001	433F	433F PSO-FUEL O/U RECOVERY-WSLE	133,486	E	133,486				
1901001	460A	460A UNBILLED REVENUE	3,689,032	E	3,689,032				
1901001	520A	520A PROVS POSS REV REFDS-A/L	2,064,395	PTD			2,064,395		
1901001	520X	520X PROV FOR RATE REFUND-TAX REFORM	987,945	E	987,945				
1901001	520Y	520Y PROV FOR RATE REFUND-EXCESS PROTECTED	980,580	E	980,580				
1901001	576F	576F MARK & SPREAD-DEFL-190-A/L	(31,612)	E	(31,612)				
1901001	602A	602A PROV WORKER'S COMP	146,765	Labor					146,765
1901001	605E	605E SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN	330,470	Labor					330,470
1901001	605F	605F ACCRD SUP EXEC RETIR PLAN COSTS-SFAS 158	242,682	E	242,682				
1901001	605I	605I ACCRD BK SUP. SAVINGS PLAN EXP	128,059	Labor					128,059
1901001	605J	605J EMPLOYER SAVINGS PLAN MATCH	0	E	0				
1901001	605O	605O ACCRUED PSI PLAN EXP	198,657	Labor					198,657
1901001	605P	605P STOCK BASED COMP-CAREER SHARES	394,590	E	394,590				
1901001	610A	610A BK PROV UNCOLL ACCTS - ST	33,583	E	33,583				
1901001	610U	610U PROV-TRADING CREDIT RISK - A/L		E	0				
1901001	612Y	612Y ACCRD COMPANYWIDE INCENTV PLAN	1,298,898	Labor					1,298,898
1901001	613E	613E ACCRUED BOOK VACATION PAY	1,619,992	Labor					1,619,992
1901001	613K	613K (ICDP)-INCENTIVE COMP DEFERRAL PLAN	148,220	Labor					148,220
1901001	613Y	613Y ACCRUED BK SEVERANCE BENEFITS	61,108	Labor					61,108
1901001	615B	615B ACCRUED INTEREST-LONG-TERM - FIN 48	(716,495)	E	(716,495)				
1901001	615B-MJE	615B-MJE ACCRD INTRST-TAX RES-L/T-FIN 48-MJE	605,420	E	605,420				
1901001	615C	615C ACCRUED INTEREST-SHORT-TERM - FIN 48	(24,096)	E	(24,096)				
1901001	615E	615E ACCRUED STATE INCOME TAX EXP	(123,948)	E	(123,948)				
1901001	615O	615O BK DFL RAIL TRANS REV/EXP		E	0				
1901001	639A	639A DEFD BK GAIN-NON-AFF SALE-EMA		E	0				
1901001	641I	641I ADVANCE RENTAL INC (CUR MO)	280,440	PTD			280,440		
1901001	642B	642B DEFD REV-BONUS LEASE SHORT-TERM	33,345	E	33,345				
1901001	642C	642C DEFD REV-BONUS LEASE LONG-TERM	26,593	E	26,593				
1901001	652G	652G REG LIAB-UNREAL MTM GAIN-DEFL	(130,688)	E	(130,688)				
1901001	663U	663U REG ASSET-DEFERRED BASE LOAD PUR PWR	0	E	0				
1901001	712P	712P PROF SERVICES CAPITALIZED-TX	1,009	PTD			1,009		
1901001	906F	906F ACCRD OPEB COSTS - SFAS 158	(692,451)	E	(692,451)				
1901001	906K	906K ACCRD SFAS 112 PST EMPLOY BEN	672,069	Labor					672,069
1901001	906P	906P ACCRD BOOK ARO EXPENSE - SFAS 143	11,800,149	E	11,800,149				
1901001	911F	911F-FIN48 FIN 48 DSIT	162,824	E	162,824				
1901001	911Q-DSIT	911Q-DSIT DSIT ENTRY - NORMALIZED	35,913,728	PTD			35,913,728		
1901001	911V	911V ACCRD SIT TX RESERVE-LNG-TERM-FIN 48	(558,768)	E	(558,768)				
1901001	911V-MJE	911V-MJE ACCRD SIT TX RES-LNG-TERM-FIN 48-MJE	416,399	E	416,399				
1901001	911W	911W ACCRD SIT TX RESERVE-SHRT-TERM-FIN 48	(20,515)	E	(20,515)				
1901001	940A	940A IRS AUDIT SETTLEMENT	(301,785)	E	(301,785)				
1901001	940X	940X IRS CAPITALIZATION ADJUSTMENT	288,501	PTD			288,501		
1901001	960E	960E AMT CREDIT - DEFERRED	0	E	0				
1901001	960Z	960Z NOL - DEFERRED TAX ASSET RECLASS	0	E	0				
1901001	980A	980A RESTRICTED STOCK PLAN	27,831	E	27,831				
1901001	980J	980J PSI - STOCK BASED COMP	103,897	E	103,897				
1901002	014A-MJE	014A ACCUM DITC-STATE-A/C 2550002-MJE	16,194,103	E	16,194,103				
1901002	014A	014A-DSITC ADSITC STATE C/F-DEF STATE TAX ASSET-L/T	17,006,004	E	17,006,004				
1901002	014C	014C-DSIT NOL-STATE C/F-DEF STATE TAX ASSET-L/T	20,934,919	E	20,934,919				
1901002	014W	014W-DSIT STATE CREDIT C/F-VALUATION ALLOWANCE	0	E	0				
		Forecast Adjustment to 190	4,841,090		2,536,881		2,012,685		291,524
190.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	123,669,008		78,212,489	0	40,560,757	0	4,895,763
		(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, 2019**

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)-I(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	WS C-1	(1,018,002,789)
2 Rate Year beginning balance	WS C-2	(1,012,368,994)
3 Annual forecasted change	Line 1 less Line 2	-5,633,795
4 Monthly forecasted change	Line 3 / 12	-469,483

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	(1,012,368,994)	(1,012,368,994)		365	100.00%	(1,012,368,994)	(1,012,368,994)	
6	January (line 4)	(469,483)	(1,012,838,476)	31	335	91.78%	(430,895)	(1,012,799,889)	
7	February	(469,483)	(1,013,307,959)	28	307	84.11%	(394,880)	(1,013,194,769)	
8	March	(469,483)	(1,013,777,442)	31	276	75.62%	(355,006)	(1,013,549,775)	
9	April	(469,483)	(1,014,246,925)	30	246	67.40%	(316,419)	(1,013,866,194)	
10	May	(469,483)	(1,014,716,408)	31	215	58.90%	(276,545)	(1,014,142,739)	
11	June	(469,483)	(1,015,185,891)	30	185	50.68%	(237,957)	(1,014,380,696)	
12	July	(469,483)	(1,015,655,374)	31	154	42.19%	(198,083)	(1,014,578,779)	
13	August	(469,483)	(1,016,124,857)	31	123	33.70%	(158,209)	(1,014,736,988)	
14	September	(469,483)	(1,016,594,340)	30	93	25.48%	(119,622)	(1,014,856,610)	
15	October	(469,483)	(1,017,063,823)	31	62	16.99%	(79,748)	(1,014,936,358)	
16	November	(469,483)	(1,017,533,306)	30	32	8.77%	(41,160)	(1,014,977,518)	
17	December	(469,483)	(1,018,002,789)	31	1	0.27%	(1,286)	(1,014,978,804)	
18	Ending Balance		(1,018,002,789)					(1,014,978,804)	
19	Proration Adjustment - Line 18 Col. (H) less Col. (C)							\$	3,023,984

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)							\$	-

AEP West SPP Member Operating Companies
 Actual / Projected 2019 Rate Year Cost of Service Formula Rate
Worksheet D - Working Capital Rate Base Adjustments
PUBLIC SERVICE COMPANY OF OKLAHOMA

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Materials & Supplies								
Line Number	Source	Balance @ December 31, 2019 FF1, p. 227, Col. (c)	Balance @ December 31, 2018 FF1, p. 227, Col. (b)	Average Balance for Rate Year				
1	Transmission Materials & Supplies	FF1, p. 227, ln 8, Col. (c & b)	1,739,929	1,739,929	1,739,929			
2	Less: Transmission Serving Generation	Company Records			-			
3	Transmission M&S, Excl Trans Serving Gen		1,739,929	1,739,929	1,739,929			
4	General Materials & Supplies	FF1, p. 227, ln 11, Col. (c & b)	244,679	244,679	244,679			
5	Stores Expense (Undistributed) - Account 163	FF1, p. 227, ln 16, Col. (c & b)	-	-	0			

Prepayment Balance Summary

	Average of YE Balance	Excludable Balances	100% Transmission Related	Plant Related	Labor Related	Total Included in Rate Base (E)+(F)+(G)	
6	Totals as of December 31, 2019	7,943,403	(87,039,053)	0	2,460,594	92,521,862	94,982,456
7	Totals as of December 31, 2018	7,943,403	(87,039,053)	0	2,460,594	92,521,862	94,982,456
8	Average Balance	7,943,403	(87,039,053)	0	2,460,594	92,521,862	94,982,456

Prepayments Account 165 - Balance @ 12/31/2019

Acc. No.	Description	2019 YE Balance	Excludable Balances	100% Transmission Related	Plant Related	Labor Related	Total Included in Rate Base (E)+(F)+(G)	Explanation
9	1650001 Prepaid Insurance	894,252			350,053	544,199	894,252	Plant (Property) , Cyber Risk, Property broker fees, Property Jurisdictional Certification Inspection fees, D&O Liability, Fiduciary Liability, Workers Comp Ins, Excess Liability Ins, Excess Liability broker fees.
10	1650004 Prepaid Interest	0					0	
11	1650005 Prepaid Employee Benefits	0	0				0	
12	1650006 Other Prepayments	4,004,763	4,004,763				0	Prepaid Oklahoma Corporate Commission Fees (OCC) and NERC Assessment Fees, Prepaid Outage Alerts Service, Prepaid AMI Advertising and promotion costs.
13	1650009 Prepaid Carry Cost-Factored	116,117	116,117				0	AR Factoring - Excluded because it is retail.
14	1650010 Prepaid Pension Benefits	91,476,551				91,476,551	91,476,551	Prefunded Pension Expense
15	165001117 Prepaid Sales Taxes	1,911,803			1,911,803		1,911,803	
16	165001217 Prepaid Use Taxes	252,290	252,290				0	
17	1650014 FAS 158 Qual Contra Asset	(91,476,551)	(91,476,551)				0	Non-Cash Offset Excludable from Rate Base
18	1650016 FAS 112 ASSETS	0	0				0	SFAS 158 Offset
19	1650021 Prepaid Insurance - EIS	699,850			198,738	501,112	699,850	Plant (Property) Ins and EIS Excess Liability Ins.
20	1650023 Prepaid Leases	64,328	64,328				0	
21	1650028 Trinity Rail Car Lease - Non-current	0	0				0	
22	1650031 Prepaid OCIP Work Comp	0				0	0	
23	1650032 Prepaid OCIP Work Comp-Long Term	0				0	0	
24	1650033 Prepaid OCIP Work Comp-Affiliated	0				0	0	
25	1650034 Prepaid OCIP Work Comp-Affiliated Long Term	0				0	0	
26	1650035 PRW Without MED-D Benefits	19,932,575	19,932,575				0	
27	1650036 PRW for Med-D Benefits	0					0	
28	1650037 FAS158 Contra-PRW Exclude Med-D	(19,932,575)	(19,932,575)				0	
29						0	0	
30							0	
31							0	
32							0	
33							0	
34	Subtotal - Form 1, p 111.57.c	7,943,403	(87,039,053)	0	2,460,594	92,521,862	94,982,456	

Prepayments Account 165 - Balance @ 12/31/2018

Acc. No.	Description	2018 YE Balance	Excludable Balances	100% Transmission Related	Plant Related	Labor Related	Total Included in Rate Base (E)+(F)+(G)	Explanation
36	1650001 Prepaid Insurance	894,252			350,053	544,199	894,252	Plant (Property) , Cyber Risk, Property broker fees, Property Jurisdictional Certification Inspection fees, D&O Liability, Fiduciary Liability, Workers Comp Ins, Excess Liability Ins, Excess Liability broker fees.
37	1650004 Prepaid Interest	0					0	
38	1650005 Prepaid Employee Benefits	0	0				0	
39	1650006 Other Prepayments	4,004,763	4,004,763				0	Prepaid Oklahoma Corporate Commission Fees (OCC) and NERC Assessment Fees, Prepaid Outage Alerts Service, Prepaid AMI Advertising and promotion costs.
40	1650009 Prepaid Carry Cost-Factored	116,117	116,117				0	AR Factoring - Excluded because it is retail.
41	1650010 Prepaid Pension Benefits	91,476,551				91,476,551	91,476,551	Prefunded Pension Expense
42	165001117 Prepaid Sales Taxes	1,911,803			1,911,803		1,911,803	
43	165001217 Prepaid Use Taxes	252,290	252,290				0	
44	1650014 FAS 158 Qual Contra Asset	(91,476,551)	(91,476,551)				0	Non-Cash Offset Excludable from Rate Base
45	1650016 FAS 112 ASSETS	0	0				0	SFAS 158 Offset
46	1650021 Prepaid Insurance - EIS	699,850			198,738	501,112	699,850	Plant (Property) Ins and EIS Excess Liability Ins.
47	1650023 Prepaid Leases	64,328	64,328				0	
48	1650028 Trinity Rail Car Lease - Non-current	0	0				0	
49	1650031 Prepaid OCIP Work Comp	0				0	0	
50	1650032 Prepaid OCIP Work Comp-Long Term	0				0	0	
51	1650033 Prepaid OCIP Work Comp-Affiliated	0				0	0	
52	1650034 Prepaid OCIP Work Comp-Affiliated Long Term	0				0	0	
53	1650035 PRW Without MED-D Benefits	19,932,575	19,932,575				0	
54	1650036 PRW for Med-D Benefits	0					0	
55	1650037 FAS158 Contra-PRW Exclude Med-D	(19,932,575)	(19,932,575)				0	
56						0	0	
57							0	
58							0	
59							0	
60							0	
61							0	
62							0	
63							0	
64							0	
65							0	
66							0	
67							0	
68	Subtotal - Form 1, p 111.57.e d	7,943,403	(87,039,053)	0	2,460,594	92,521,862	94,982,456	

AEP West SPP Member Operating Companies
Actual / Projected 2019 Rate Year Cost of Service Formula Rate
Worksheet D - Working Capital Rate Base Adjustments
PUBLIC SERVICE COMPANY OF OKLAHOMA

(A) (B) (C) (D) (E) (F) (G) (H) (I)

AEP West SPP Member Operating Companies
Actual / Projected 2019 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) 2019</u>
1	Net Funds from IPP Customers @ 12/31/2018 (2019 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 12/31/2019 (2019 FORM 1, P269, (F))	1,050,066
8	Average Balance for 2019 ((In 1 + In 7)/2)	1,050,066

AEP West SPP Member Operating Companies
 Actual / Projected 2019 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 141)			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 139 through 141)			
5		%	Cost	Weighted cost
6	Long Term Debt	51.00%	5.17%	2.64%
7	Preferred Stock	0.00%	0.00%	0.00%
8	Common Stock	49.00%	10.50%	5.14%
9			R =	7.78%

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

10	Rate Base (TCOS, In 62)	490,471,199
11	R (from A. above)	0.0778
12	Return (Rate Base x R)	38,177,867

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

13	Return (from B. above)	38,177,867
14	Tax Rate (TCOS, In 97)	25.34%
15	EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =	22.43%
16	Income Tax Calculation (Return x EIT)	8,563,374
17	ITC Adjustment (TCOS, In 106)	(389,268)
18	Excess DFIT Adjustment (TCOS, In 107)	(2,558,970)
19	Tax Effect of Permanent and Flow Through Differences (TCOS, In 108)	81,004
20	Income Taxes	5,696,140

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 115)	94,141,628
22	Return (TCOS, In 110)	38,177,867
23	Income Taxes (TCOS, In 109)	5,696,140
24	Gross Margin Taxes (TCOS, In 114)	-
25	Net Revenue Requirement, Less Return and Taxes	50,267,621

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

26	Net Revenue Requirement, Less Return and Taxes	50,267,621
27	Return (from I.B. above)	38,177,867
28	Income Taxes (from I.C. above)	5,696,140
29	Net Revenue Requirement, with 0 Basis Point ROE increase	94,141,628
30	Gross Margin Tax with Basis Point ROE Increase (II C. below)	-
31	Revenue Requirement w/ Gross Margin Taxes	94,141,628
32	Less: Depreciation (TCOS, In 84)	21,536,480
33	Net Rev. Req. w/0 Basis Point ROE increase, less Depreciation	72,605,148

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

34	Net Revenue Requirement before Gross Margin Taxes, with 0	94,141,628
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)	650,253,794
45	Net Revenue Requirement, with 0 Basis Point ROE increase	94,141,628
46	FCR with 0 Basis Point increase in ROE	14.48%
47	Net Rev. Req. w/ 0 Basis Point ROE increase, less Dep.	72,605,148
48	FCR with 0 Basis Point ROE increase, less Depreciation	11.17%
49	FCR less Depreciation (TCOS, In 10)	11.17%
50	Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

51	Transmission Plant @ Beginning of Period (Worksheet A In 9 col. ((D))	907,181,078
52	Transmission Plant @ End of Period (Worksheet A In 9 col. ((C))	946,288,588
		1,853,469,667
53	Transmission Plant Average Balance for 2019	926,734,833
54	Annual Depreciation Expense (TCOS, In 84)	23,388,402
55	Composite Depreciation Rate	2.52%
56	Depreciable Life for Composite Depreciation Rate	39.62
57	Round to nearest whole year	40

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	2019	7,284,760	7,284,760	\$ -

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

AEP West SPP Member Operating Companies
 Actual / Projected 2019 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 141)			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 139 through 141)			
5		%	Cost	Weighted cost
6	Long Term Debt	51.00%	5.17%	2.64%
7	Preferred Stock	0.00%	0.00%	0.00%
8	Common Stock	49.00%	10.50%	5.14%
9			R =	7.78%

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

10	Rate Base (TCOS, In 62)	490,471,199
11	R (from A. above)	0.0778
12	Return (Rate Base x R)	38,177,867

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

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20	Income Taxes	5,696,140

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23	Income Taxes (TCOS, In 109)	5,696,140
24	Gross Margin Taxes (TCOS, In 114)	-
25	Net Revenue Requirement, Less Return and Taxes	50,267,621

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

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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 84)	21,536,480
33	Net Rev. Req. w/0 Basis Point ROE increase, less Depreciation	72,605,148

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34	Net Revenue Requirement before Gross Margin Taxes, with 0	94,141,628
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)	650,253,794
45	Net Revenue Requirement, with 0 Basis Point ROE increase	94,141,628
46	FCR with 0 Basis Point increase in ROE	14.48%
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48	FCR with 0 Basis Point ROE increase, less Depreciation	11.17%
49	FCR less Depreciation (TCOS, In 10)	11.17%
50	Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

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57	Round to nearest whole year	40

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SUMMARY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS FOR SPP BPU & NON-BPU PROJECTS				
	2017	Rev Require	With Incentives	Incentive Amounts
True-Up Rate Year	2017			
∑ True Up Year Projected WS-F		\$ 6,729,904	\$ 6,729,904	\$ -
∑ True-Up Year True-Up WS-G		\$ 6,814,046	\$ 6,814,046	\$ -
True-up Adjustment For 2017		84,142	84,142	-

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

AEP West SPP Member Operating Companies
 Actual / Projected 2019 Rate Year Cost of Service Formula Rate
 Worksheet H - Revenue Credits
PUBLIC SERVICE COMPANY OF OKLAHOMA

<u>Line:</u>		Total Company	Non- Transmission	Transmission
1	Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1)	2,627,160	2,627,160	-
2	Account 451, Misc. Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)	306,000	306,000	-
	Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)			
	Account 4540001 - Rent from Elect Property-Aff	3,742,538	3,440,337	302,202
	Account 4540002 - Rent from Elect Property - Non-Aff	159,360	47,739	111,621
	Account 4540005 - Rent from Elect Property - Pole Attach	2,700,000	2,646,735	53,265
	Account 4540004 - Rent from Elect Property - ABD - Non-Aff	50,000	50,000	
	Other 454 Accounts			
3	Total Rents from Electric Property	6,651,898		467,087
	Account 456.0 Other Operating Revenues (FF1 p.300.21.(b); Company Records - Note 1)			
	1 Account 4560015, Revenues from Associated Business Development	5,054,790		157,404
	2 All Other 456.0 Revenues	4,884,491		-
4	Total 456.0 Other Operating Revenues	9,939,281		157,404
	Account 456.1, Revenues from Transmission of Electricity of Others (FF1 p.300.22.(b); Company Records - Note 1)			44,418,235
	Less:			
	Transmission Direct Assignment Revenue (if costs not in the ARR)			-
	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			14,105,983
	Network Service Revenue (SPP Schedule 9) Associated with Load included in the Divisor			
	Revenue Associated with Transmission Plant Excluded From SPP Tariff			
	Distribution and Other Non-Transmission Revenue			
	Revenue from SPP Ancillary Services Provided			698,788
	Base Plan Revenue (from SPP)			23,875,227
	Flow Through of ERCOT Ancillary Charges			
	Other			
5	Net 456.1 Transmission Credits			\$5,738,236
6	Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)			
7	Account 457.2, Miscellaneous Revenues (FF1 p.300.24.(b); Company Records - Note 1)			
8	Total Revenue Credits - Sum lines 1 through 7			\$6,362,727

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 2019 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>2019</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 2019 Rate Year Cost of Service Formula Rate
Worksheet J - Allocation of Specific O&M or A&G Expenses
PUBLIC SERVICE COMPANY OF OKLAHOMA

<u>Line Number</u>	<u>(A) FERC Acct No.</u>	<u>(B) Description</u>	<u>(C) 2019 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	928	Regulatory Commission Expense	2,394,308	2,394,308	0	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16		Total (FERC Form 1 p.323.189.b)	2,394,308	2,394,308	0	
		<u>Account 930.1</u>				
17	9301000	General Advertising Expenses	220,868	220,868		
18						
19						
20						
21						
22		Total (FERC Form 1 p.323.191.b)	220,868	220,868	0	
		<u>Account 930.2</u>				
23	9302000	Misc General Expenses	4,225,196	4,225,196		
24						
25						
26						
27						
28		Total (FERC Form 1 p.323.192.b)	4,225,196	4,225,196	-	

AEP West SPP Member Operating Companies
 Actual / Projected 2019 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 2019

State Income Tax Rate - Oklahoma	Note 1	5.66%	
Apportionment Factor		96.92%	
Effective State Income Tax Rate			5.4857%
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%
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
		362,427,601	94,141,628
Line #	REVENUE REQUIREMENT BEFORE TEXAS GROSS MARGIN TAX (TCOS In 114)		
1	Apportionment Factor to Texas (In12)	0.00%	0.00%
2	Apportioned Texas Revenues	\$0	\$0
3	Taxable Percentage of Revenue	22%	22%
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 2019 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	Revenue Taxes					
2	State Gross Receipts/OH CAT Tax	-				-
3						
4	Real Estate and Personal Property Taxes					
5	Oklahoma Ad Valorem, excluding Trans Serving Generation	38,804,640	38,804,640			
6	Texas Ad Valorem and Personal Property	1,616,860	1,616,860			
7	Ad Valorem for Transmission Serving Generation	-	-			
8						
9						-
10	Payroll Taxes					
11	Federal Insurance Contribution (FICA)	5,783,588		5,783,588		
12	Federal Unemployment Tax	30,972		30,972		
13	State Unemployment Insurance	61,014		61,014		
14						
15	Production Taxes					
16						-
17						
18						
19	Miscellaneous Taxes					
20	Federal Excise Tax	-				-
21	Ok State Franchise Tax	-			-	
22	Ok Sales & Use Taxes	12,000			12,000	
23	Ok Local Franchise Tax - 2016	182,000			182,000	
24	Ok Lsd PP Tax				-	
25	State License Fee				-	
26	Tx Sales & Use Taxes				-	
27	Unemployment TX - 015					-
28	TX Lsd PP Tax					-
29	Ok Misc Tax					-
30	MT Misc Tax				-	
31	Wy Misc Tax				-	
32	Public Service Commission Fees	-			-	
33					-	
34						-
35	Total Taxes by Allocable Basis	46,491,074	40,421,500	5,875,574	194,000	-

(Total Company Amount Ties to FFI p.114, Ln 14.(c))

NOTE: As a check, the difference between the total from Ln 35 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 2019 Rate Year Cost of Service Formula Rate

Worksheet M

PUBLIC SERVICE COMPANY OF OKLAHOMA

Calculation of Capital Structure and Weighted Average Cost of Capital Based on Average of Balances At 12/31/2018 and 12/31/2019

(A)	(B)	(C)	(D)	(E)
Line		Balances @ 12/31/2019	Balances @ 12/31/2018	Average
<u>Development of Average Balance of Common Equity</u>				
1	Total Proprietary Capital (p. 112.16.c&d)	1,326,353,818	1,255,743,797	1,291,048,808
2	Less Preferred Stock from Ln 43 below	-	-	-
3	Less Account 216.1 (p. 112.12.c&d)	-	-	-
4	Less Account 219.1 (p. 112.15.c&d)	1,325,251	2,173,053	1,749,152
5	Average Balance of Common Equity	1,325,028,566	1,253,570,744	1,289,299,655

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

6	Account 221 Bonds (112.18.c&d)	-	-	-
7	Less: Account 222 Reacquired Bonds (112.19.c&d)	-	-	-
8	Account 223 LT Advances from Assoc. Comp. (112.20.c&d)	-	-	-
9	Account 224 Senior Unsecured Notes (112.21.c&d)	1,391,719,866	1,292,201,442	1,341,960,654
10	Less: Non-Transmission Securitization (Co. Records)	-	-	-
11	Total Long-Term Debt	1,391,719,866	1,292,201,442	1,341,960,654

12	Annual Interest Expense			
13	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			67,618,720
14	Less: Financial Hedge Gain/Expense from Ln 28 Included in Ln 13			(1,279,141)
15	Plus: Allowed Hedge Recovery from Ln 32 below			(1,279,141)
16	Amort of Debt Discount & Expense - Acct 428 (117.63.c)			1,012,129
17	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)			807,782
18	Less: Amort of Premium on Debt - Acct 429 (117.65.c)			-
19	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)			-
20	Less: Non-Trans. Securitization (Company Records)			-
21	Total Interest Expense (Ln 13 + Ln 14 + Ln 15 + Ln 16 + Ln 17 - Ln 18 - Ln 19 - Ln 20)			69,438,631

22	Average Cost of Debt (Ln 21/Ln 11)			5.17%
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23	Financial Hedge Amortization Reported in Column (i) on Page 256-257 (Enter Gains as a Negative Number)			
24	SUN Series I 4.4% Financial Hedge (p. 257.1 Ln 7.i)			(1,279,141)
25	SUN Series F 6.15% Financial Hedge (p. 256.1 Ln 15.i)			
26				
27				
28	Total Hedge Amortization			(1,279,141)
29	Total Average Capital Balance (TCOS, Ln 142)			2,631,260,309
30	Financial Hedge Recovery Limit - Five Basis Points of Total Capital			0.0005
31	Limit of Recoverable Amount			(1,315,630)
32	Recoverable Hedge Amortization (Lesser of Ln 28 or 31)			(1,279,141)

(lesser of 5 basis point Cap or Actual (Gain)/Expense based on magnitude as indicated on Ln 28 or Ln 31)

Development of Cost of Preferred Stock

	Preferred Stock			Average
33	___% Series - - Dividend Rate (p. 250-251. ___a)			
34	___% Series - - Par Value (p. 250-251. ___c)			
35	___% Series - - Shares O/S (p.250-251. ___e)			
36	___% Series - - Monetary Value (Ln 34 * Ln 35)	-	-	-
37	___% Series - - Dividend Amount (Ln 33 * Ln 36)	-	-	-
38	___% Series - - Dividend Rate (p. 250-251. ___a)			
39	___% Series - - Par Value (p. 250-251. ___c)			
40	___% Series - - Shares O/S (p.250-251. ___e)			
41	___% Series - - Monetary Value (Ln 39 * Ln 40)	-	-	-
42	___% Series - - Dividend Amount (Ln 38 * Ln 41)	-	-	-
43	Balance of Preferred Stock (Lns 36, 41)	-	-	-
44	Dividends on Preferred Stock (Lns 37, 42)	-	-	-
45	Average Cost of Preferred Stock (Ln 44/43)	0.00%	0.00%	0.00%

AEP West SPP Member Operating Companies
 Transmission Cost of Service Formula Rate
 Utilizing Actual / Projected Cost Data for the 2019 Rate Year

SOUTHWESTERN ELECTRIC POWER COMPANY

Line No.			Total	Allocator	Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(ln 115)			\$174,756,782
2	REVENUE CREDITS	(Note A) (Worksheet H)	7,016,938	DA 1.00000	\$ 7,016,938
3	Network Customer Owned Facility Credits	Worksheet B			-
4	REVENUE REQUIREMENT For All Company Facilities	(ln 1 less ln 2 plus ln 3)			\$167,739,845

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)		77,320,358	DA 1.00000	\$ 77,320,358
6	NET PLANT CARRYING CHARGE (w/o incentives) (Note B)				
7	Annual Rate	(ln 1 / ln 37 x 100%)			13.21%
8	Monthly Rate	(ln 7 / 12)			1.10%
9	NET PLANT CARRYING CHARGE ON LINE 7, W/O DEPRECIATION (w/o incentives) (Note B)				
10	Annual Rate	((ln 1 - ln 84) / ln 37 x 100%)			9.96%
11	NET PLANT CARRYING CHARGE ON LINE 9, W/O INCOME TAXES, RETURN (Note B)				
12	Annual Rate	((ln 1 - ln 84 - ln 109 - ln 110) / ln 37 x 100%)			3.34%
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 2019 Rate Year

SOUTHWESTERN ELECTRIC POWER COMPANY

	(1)	(2)	(3)	(4)	(5)
Line No.	RATE BASE CALCULATION	Data Sources (See "General Notes")	TO Total NOTE D	Allocator	Total Transmission
14	GROSS PLANT IN SERVICE				
14	Production	(Worksheet A In 3.E)	4,743,193,357	NA	0.00000
15	Less: Production ARO (Enter Negative)	(Worksheet A In 6.E)	(61,119,285)	NA	0.00000
16	Transmission	(Worksheet A In 9.E & Ln 119)	1,926,953,229	DA	1,837,515,573
17	Less: Transmission ARO (Enter Negative)	(Worksheet A In 12.E)	-	TP	0.95359
18	Distribution	(Worksheet A In 13.E)	2,271,977,273	NA	0.00000
19	Less: Distribution ARO (Enter Negative)	(Worksheet A In 14.E)	-	NA	0.00000
20	General Plant	(Worksheet A In 15.E)	300,098,106	W/S	0.07222
21	Less: General Plant ARO (Enter Negative)	(Worksheet A In 16.E)	(937,494)	W/S	0.07222
22	Intangible Plant	(Worksheet A In 17.E)	138,324,276	W/S	0.07222
23	TOTAL GROSS PLANT	(sum Ins 14 to 22)	9,318,489,462	GP= GTD=	0.20058 0.45892
24	ACCUMULATED DEPRECIATION AND AMORTIZATION				
25	Production	(Worksheet A In 22.E)	1,614,568,150	NA	0.00000
26	Less: Production ARO (Enter Negative)	(Worksheet A In 25.E)	(12,052,763)	NA	0.00000
27	Transmission	(Worksheet A In 28.E & 47.E)	555,592,261	TP1=	0.92651
28	Less: Transmission ARO (Enter Negative)	(Worksheet A In 31.E)	-	TP1=	0.92651
29	Distribution	(Worksheet A In 32.E)	760,612,163	NA	0.00000
30	Less: Distribution ARO (Enter Negative)	(Worksheet A In 33.E)	-	NA	0.00000
31	General Plant	(Worksheet A In 34.E)	162,760,475	W/S	0.07222
32	Less: General Plant ARO (Enter Negative)	(Worksheet A In 35.E)	(546,719)	W/S	0.07222
33	Intangible Plant	(Worksheet A In 36.E)	57,328,344	W/S	0.07222
34	TOTAL ACCUMULATED DEPRECIATION	(sum Ins 25 to 33)	3,138,261,911		530,617,645
35	NET PLANT IN SERVICE				
36	Production	(In 14 + In 15 - In 25 - In 26)	3,079,558,685		-
37	Transmission	(In 16 + In 17 - In 27 - In 28)	1,371,360,968		1,322,752,579
38	Distribution	(In 18 + In 19 - In 29 - In 30)	1,511,365,110		-
39	General Plant	(In 20 + In 21 - In 31 - In 32)	136,946,855		9,889,878
40	Intangible Plant	(In 22 - In 33)	80,995,932		5,849,275
41	TOTAL NET PLANT IN SERVICE	(sum Ins 36 to 40)	6,180,227,551	NP=	0.21658
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)	(1,393,536,370)	DA	(271,586,452)
45	Account No. 283.1 (enter negative)	(Worksheet C, In 12 C & In 14 J)	(34,869,315)	DA	376,659
46	Account No. 190.1	(Worksheet C, In 18 C & In 22 J)	113,842,056	DA	1,346,876
47	Account No. 255 (enter negative)	(Worksheet C, In 26 C & In 28 J)	-	DA	-
48	TOTAL ADJUSTMENTS	(sum Ins 43 to 47)	(1,314,563,629)		(269,862,917)
49	PLANT HELD FOR FUTURE USE	(Worksheet A In 48.E & 49.E)	1,066,805	DA	-
50	REGULATORY ASSETS	(Worksheet A In 55.E)	-	DA	-
51	WORKING CAPITAL	(Note F)			
52	Cash Working Capital	(1/8 * In 68) (Note G)	2,694,431		2,569,372
53	Transmission Materials & Supplies	(Worksheet D, In 3 F)	107,954	TP	0.95359
54	A&G Materials & Supplies	(Worksheet D, In 4 F)	77,735	W/S	0.07222
55	Stores Expense	(Worksheet D, In 5 F)	-	GP	0.20058
56	Prepayments (Account 165) - Labor Allocated	(Worksheet D, In 8 G)	97,010,416	W/S	0.07222
57	Prepayments (Account 165) - Gross Plant	(Worksheet D, In 8 F)	1,781,959	GP	0.20058
58	Prepayments (Account 165) - Transmission Only	(Worksheet D, In 8 E)	-	DA	1.00000
59	Prepayments (Account 165) - Unallocable	(Worksheet D, In 8 D)	(69,374,032)	NA	0.00000
60	TOTAL WORKING CAPITAL	(sum Ins 52 to 59)	32,298,463		10,041,147
61	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note H) (Worksheet E, In 8 B)	(25,206,735)	DA	1.00000
62	RATE BASE (sum Ins 41, 48, 49, 60, 61)		4,873,822,455		1,053,463,228

AEP West SPP Member Operating Companies
Transmission Cost of Service Formula Rate
Utilizing Actual / Projected Cost Data for the 2019 Rate Year

SOUTHWESTERN ELECTRIC POWER COMPANY

Line No.	(1) EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION	(2) Data Sources (See "General Notes")	(3) TO Total	(4) Allocator	(5) Total Transmission
63	OPERATION & MAINTENANCE EXPENSE				
63	Transmission	321.112.b	140,418,693		
64	Less: Transmission Serving Generation	(Note U) Company Records	-		
65	Less: Total Account 561	(Note I) 321.84-92.b	16,866,889		
66	Less: Account 565	(Note J) 321.96.b	101,996,355		
67	Plus: Includable 561 and 565 Expenses	Worksheet I In 10	\$0		
68	Total O&M Allocable to Transmission	(Ins 63 - 64- 65 - 66 + 67)	21,555,449	TP	0.95359
69	Administrative and General	323.197.b (Note K, M)	68,059,957		
70	Less: Acct. 924, Property Insurance	323.185.b	2,391,927		
71	Acct. 928, Reg. Com. Exp.	323.189.b	428,928		
72	Acct. 930.1, Gen. Advert. Exp.	323.191.b	211,829		
73	Acct. 930.2, Misc. Gen. Exp.	323.192.b	1,139,994		
74	Balance of A & G	(In 69 - sum In 70 to In 73)	63,887,279	W/S	0.07222
75	Plus: Acct. 924, Property Insurance	(In 70)	2,391,927	GP	0.20058
76	Acct. 928 - Transmission Specific	Worksheet J In 16.(E) (Note L)	-	TP	0.95359
77	Acct 930.1 - Only safety related ads -Direct	Worksheet J In 22.(E) (Note L)	-	GP	0.20058
78	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet J In 28.(E) (Note L)	-	DA	1.00000
79	A & G Subtotal	(sum Ins 74 to 78)	66,279,206		5,093,516
80	TOTAL O & M EXPENSE	(In 68 + In 79)	87,834,655		25,648,489
81	DEPRECIATION AND AMORTIZATION EXPENSE				
82	Transmission	336.7.b	45,165,576		
83	Less: Transmission Serving Generation	(Note U) Company Records	-		
84	Includable Transmission	(In 82 - In 83)	45,165,576	TP	0.95359
85	General	336.10.b	6,494,132	W/S	0.07222
86	Intangible	336.1.d	24,484,115	W/S	0.07222
87	TOTAL DEPRECIATION AND AMORTIZATION	(sum Ins 84 to 86)	76,143,824		43,069,260
88	TAXES OTHER THAN INCOME	(Note N)			
89	Labor Related				
90	Payroll	Worksheet L, Col. D	7,649,032	W/S	0.07222
91	Plant Related				
92	Property	Worksheet L, Col. C	70,044,370	GP	0.20058
93	Non-Allocable Taxes, incl. Transmission Serving Gen.	Worksheet L, Col. F	22,990,000	NA	0.00000
94	Other	Worksheet L, Col. E	7,562,000	GP	0.20058
95	TOTAL OTHER TAXES	(sum Ins 90 to 94)	108,245,402		14,049,551
96	INCOME TAXES	(Note O)			
97	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$		24.72%		
98	$EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =$		21.91%		
99	where WCLTD=(In 139) and WACC = (In 142)				
100	and FIT, SIT & p are as given in Note O.				
101	$GRCF=1 / (1 - T) =$ (from In 97)		1.3284		
102	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, In 19.c)	(918,822)		
103	Excess / (Deficit) Deferred Income Tax	Company Records (Note O)	(46,392,385)	DA	(5,175,768)
104	Tax Effect of Permanent and Flow Through Differences	Company Records (Note O)	1,407,000	DA	244,440
105	Income Tax Prior to Adjustments	(In 98 * In 110)	78,442,576		16,955,146
106	ITC adjustment	(In 101 * In 102)	(1,220,554)	NP	(264,343)
107	Excess / (Deficit) Deferred Income Tax	(In 101 * In 103)	(61,627,178)	DA	(6,875,438)
108	Tax Effect of Permanent and Flow Through Differences	(In 101 * In 104)	1,869,045	DA	324,712
109	TOTAL INCOME TAXES	(sum Ins 105 to 108)	17,463,889		10,140,076
110	RETURN ON RATE BASE (Rate Base*WACC)	(In 62 * In 142)	358,049,317		77,391,368
111	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note E) (Worksheet E, In 2)		-	DA	1.00000
112	REVENUE REQUIREMENT BEFORE TEXAS GROSS MARGIN TAX		647,737,086		174,605,078
113	(sum Ins 80, 87, 95, 109, 110, 111)				
114	TEXAS GROSS MARGIN TAX (Note P) (Worksheet K)		562,781	DA	151,704
115	REVENUE REQUIREMENT INCL GROSS MARGIN TAX	(In 112 + 114)	648,299,868		174,756,782

AEP West SPP Member Operating Companies
 Transmission Cost of Service Formula Rate
 Utilizing Actual / Projected Cost Data for the 2019 Rate Year

SOUTHWESTERN ELECTRIC POWER COMPANY

SUPPORTING CALCULATIONS

In No.	TRANSMISSION PLANT INCLUDED IN SPP TARIFF								
116	Total transmission plant	(In 16)							1,926,953,229
117	Less transmission plant excluded from SPP Tariff (Worksheet A, In 42 Col. (E)) (Note Q)								51,692,079
118	Less transmission plant included in OATT Ancillary Services (Worksheet A, In 39, Col. (E)) (Note R)								37,745,577
119	Transmission plant included in SPP Tariff	(In 116 - In 117 - In 118)							<u>1,837,515,573</u>
120	Percent of transmission plant in SPP Tariff	(In 119 / In 116)						TP=	0.95359
121	WAGES & SALARY ALLOCATOR (W/S)	(Note S)							
122	Production	354.20.b		Direct Payroll	Payroll Billed from AEP Service Corp.	Total			
123	Transmission	354.21.b		42,943,610	14,702,128	57,645,738	NA	0.00000	-
124	Regional Market Expenses	354.22.b		4,183,831	4,234,102	8,417,933	TP	0.95359	8,027,223
125	Distribution	354.23.b		-	-	-	NA	0.00000	-
126	Other (Excludes A&G)	354.24,25,26.b		29,000,539	1,641,582	30,642,121	NA	0.00000	-
127	Total	(sum Ins 122 to 126)		<u>7,732,783</u>	<u>6,715,774</u>	<u>14,448,557</u>	NA	0.00000	<u>-</u>
128	Transmission related amount			83,860,763	27,293,586	111,154,349			<u>8,027,223</u>
								W/S=	0.07222
129	WEIGHTED AVERAGE COST OF CAPITAL (WACC)								\$
130	Long Term Interest	Long Term Interest (Worksheet M, In. 21, col. (E))							<u>122,143,004</u>
131	Preferred Dividends	Preferred Stock Dividends (Worksheet M, In. 44, col. (E))							-
132	Development of Common Stock:								<u>Average</u>
133	Proprietary Capital	(Worksheet M, In. 1, col. (E))							<u>2,362,135,378</u>
134	Less Preferred Stock (In 140)	(Worksheet M, In. 2, col. (E))							-
135	Less Account 216.1	(Worksheet M, In. 3, col. (E))							31,744,488
136	Less Account 219	(Worksheet M, In. 4, col. (E))							<u>(1,139,895)</u>
137	Common Stock	(In 133 - In 134 - In 135 - In 136)							<u>2,331,530,785</u>
138					Capital Structure				
					Percentage				
139	Avg Long Term Debt (Worksheet M, In. 11, col. (E))		<u>Rate Year Average Balances</u>	2,663,500,000	53.32%		Cost (Note T)	Weighted	
140	Avg Preferred Stock (Worksheet M, In. 43, col. (E))		-	-	0.00%		4.59%	0.0245	
141	Avg Common Stock (In 137) (Note U)		<u>2,331,530,785</u>	46.68%			0.00%	0.0000	
142	Total (sum Ins 139 to 141)		<u>4,995,030,785</u>				<u>10.50%</u>	<u>0.0490</u>	
							WACC=	0.0735	

AEP West SPP Member Operating Companies
 Transmission Cost of Service Formula Rate
 Utilizing Actual / Projected Cost Data for the 2019 Rate Year

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 68.
- 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 111.
- 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 97) multiplied by (1/1-T). If the applicable tax rates are zero enter 0.
 Inputs Required: FIT = 21.00%
 SIT= 4.71% (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. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State tax calculations that are not the result of a timing difference, including but not limited to depreciation related to capitalized AFUDC equity and meals and entertainment deductions. The Tax effect of Flow-Through differences captures current tax expense related to timing differences on items for which tax deductions were used to reduce customer rates through the use of flow-through accounting in a prior period.
- 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, other than Transmission Serving Generation which is removed at Worksheet A. See Note U.
- 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 130) / Long Term Debt (In 139). Preferred Stock cost rate = preferred dividends (In 131) / preferred outstanding (In 140). Common Stock cost rate (ROE) = 10.5%, the rate accepted by FERC in Docket No. ER07-1069. 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 Costs specifically incurred to build, operate, maintain, or depreciate assets which are dedicated to the interconnection of individual generation resources to the SPP transmission network, including generation tie-lines, are deemed to be production-related will be removed from the transmission cost of service. Such costs, referred to herein as Transmission Serving Generation, will be reported in the FERC Form 1 in Transmission functional accounts, and thus adjustments are needed to remove those costs from line items which include them.

AEP West SPP Member Operating Companies
Actual / Projected 2019 Rate Year Cost of Service Formula Rate
Worksheet A - Detailed Plant and Accumulated Depreciation Balances
SOUTHWESTERN ELECTRIC POWER COMPANY

Line Number	(A) Rate Base Item & Supporting Balance	(B) Source of Data	(C) Balances @ 12/31/2019	(D) Balances 12/31/2018	(E) Average Balance for 2019
Functional ARO investment and accumulated depreciation balances shown below are included in the total functional balances shown here.					
See Note U at the TCOS worksheet for a description of Transmission Serving Generation.					
Plant Investment Balances					
1	Production Plant In Service	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 46	4,759,301,287	4,727,085,427	4,743,193,357
2	Add: Transmission Serving Generation	Company Records			-
3	Formula Production Plant In Service		4,759,301,287	4,727,085,427	4,743,193,357
4	Production Asset Retirement Obligation (ARO)	FF1, page 205&204, Col.(g)&(b), Ins 15,24,34,44	61,057,785	61,180,785	61,119,285
5	Add: Transmission Serving Generation ARO	Company Records			-
6	Formula Production ARO		61,057,785	61,180,785	61,119,285
7	Transmission Plant In Service	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 58	2,008,632,154	1,845,274,305	1,926,953,229
8	Less: Transmission Serving Generation	Company Records			-
9	Formula Transmission Plant In Service		2,008,632,154	1,845,274,305	1,926,953,229
10	Transmission Asset Retirement Obligation (Acct. 359.1)	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 57			-
11	Less: Transmission Serving Generation ARO	Company Records			-
12	Formula Transmission ARO		0	0	-
13	Distribution Plant In Service	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 75	2,330,458,939	2,213,495,606	2,271,977,273
14	Distribution Asset Retirement Obligation	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 74	-	-	-
15	General Plant In Service	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 99	299,408,837	300,787,375	300,098,106
16	General Asset Retirement Obligation (Acct. 399.1)	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 98	937,494	937,494	937,494
17	Intangible Plant In Service	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 5	152,187,554	124,460,998	138,324,276
18	Total Property Investment Balance	(Sum of Lines: 3, 9, 13, 15, 17)	9,549,988,771	9,211,103,711	9,380,546,241
19	Total ARO Balance (included in total on line 18)	(Sum of Lines: 6, 12, 14, 16)	61,995,279	62,118,279	62,056,779
Accumulated Depreciation & Amortization Balances					
20	Production Accumulated Depreciation	FF1, page 219, Ins 20-24, Col. (b)	1,660,015,291	1,569,121,009	1,614,568,150
21	Add: Transmission Serving Generation	Company Records			-
22	Formula Production Plant In Service		1,660,015,291	1,569,121,009	1,614,568,150
23	Production ARO Accumulated Depreciation (included in total on line 20)	Company Records - Note 1	12,729,614	11,375,912	12,052,763
24	Add: Transmission Serving Generation ARO	Company Records			-
25	Formula Production ARO		12,729,614	11,375,912	12,052,763
26	Transmission Accumulated Depreciation	FF1, page 219, In 25, Col. (b)	573,248,482	537,936,040	555,592,261
27	Less: Transmission Serving Generation	Company Records			-
28	Formula Transmission Plant In Service		573,248,482	537,936,040	555,592,261
29	Transmission ARO Accumulated Depreciation (included in total on line 26)	Company Records - Note 1			-
30	Less: Transmission Serving Generation ARO	Company Records			-
31	Formula Transmission ARO		0	0	-
32	Distribution Accumulated Depreciation	FF1, page 219, In 26, Col. (b)	774,288,201	746,936,124	760,612,163
33	Distribution ARO Accumulated Depreciation (included in total on line 32)	Company Records - Note 1	-	-	-
34	General Accumulated Depreciation	FF1, page 219, In 28, Col. (b)	163,560,189	161,960,762	162,760,475
35	General ARO Accumulated Depreciation (included in total on line 34)	Company Records - Note 1	546,719	546,719	546,719
36	Intangible Accumulated Amortization	FF1, page 200, In 21, Col. (b)	63,490,901	51,165,786	57,328,344
37	Total Accumulated Depreciation or Amortization	(Sum of Lines: 22, 28, 32, 34, 36) FF1, page 200, In 22, Col (b)	3,234,603,064	3,067,119,721	3,150,861,392
38	Total ARO Balance (included in total on line 37)	(Sum of Lines: 25, 31, 33, 35)	13,276,332	11,922,631	12,599,482
Generation Step-Up Units					
39	GSU Investment Amount (included in total on line 7)	Company Records - Note 1	37,745,577	37,745,577	37,745,577
40	GSU Accumulated Depreciation (Included in total on line 26)	Company Records - Note 1	19,280,300	18,657,875	18,969,088
41	GSU Net Balance	(Line 39 - Line 40)	18,465,277	19,087,702	18,776,489
Transmission Plant Excluded from SPP Tariff (see TCOS Note Q)					
42	Excluded Facilities Investment Amount	Company Records - Note 1	51,692,079	51,692,079	51,692,079
43	Excluded Facilities Accumulated Depreciation	Company Records - Note 1	21,860,179	21,860,179	21,860,179
44	Excluded Facilities Net Balance	(Line 42 - Line 43)	29,831,900	29,831,900	29,831,900
Transmission Accumulated Depreciation Net of GSU/Excluded Facilities Accumulated Depreciation					
45	Transmission Accumulated Depreciation	(Line 28 Above)	573,248,482	537,936,040	555,592,261
46	Less: GSU & Excl Facilities Acc Dep	(Line 40 + Line 43 Above)	41,140,479	40,518,055	40,829,267
47	Subtotal of Transmission Accumulated Depreciation Net of GSU/Excluded Facilities	(Line 45 - Line 46)	532,108,002	497,417,986	514,762,994
Plant Held For Future Use					
48	Plant Held For Future Use	FF1, page 214, In 47, Col. (d)	1,066,805	1,066,805	1,066,805
49	Transmission Plant Held For Future Use (Included in total on line 48)	Company Records - Note 1	-	-	-
NOTE 1 On this worksheet, "Company Records" refers to AEP's property accounting ledger.					
Regulatory Assets and Liabilities Approved for Recovery In Ratebase					
Note: Regulatory Assets & Liabilities can only be included in ratebase pursuant to a 205 filing with FERC.					
50					-
51					-
52					-
53					-
54					-
55	Total Regulatory Deferrals Included in Ratebase				-

AEP West SPP Member Operating Companies
Actual / Projected 2019 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 2019 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)
Note: Account 281 is not allocated to Transmission									
Account 282 - Form-1 page 274.2.b and 275.2.k									
1	282.1	2019 Year End Tax Deferrals - WS C-1	(1,410,895,282)	(15,624,460)	-	(1,386,577,880)	-	(8,692,943)	
2	282.1	2018 Year End Tax Deferrals - WS C-2	(1,376,177,457)	(15,238,396)	-	(1,352,539,938)	-	(8,399,123)	
3		Subtotal	(2,787,072,740)	(30,862,856)	-	(2,739,117,819)	-	(17,092,065)	
4		Average Balance before Proration	(1,393,536,370)	(15,431,428)	0	(1,369,558,909)	0	(8,546,033)	
5		Proration Adjustment - WS C-3				18,635,070			
6		Prorated Average balance	(1,393,536,370)	(15,431,428)	0	(1,350,923,839)	0	(8,546,033)	
7		Transmission Allocator from TCOS		0.0000%	100.0000%	20.0581%	45.8915%	7.2217%	
8		Allocated Total		0	0	(270,969,284)	0	(617,168)	(271,586,452)
Account 283 - Form-1 page 276.9.b and 277.9.k									
9	283.1	2019 Year End Tax Deferrals - WS C-1	(34,869,315)	(26,527,939)	-	7,627,127	-	(15,968,503)	
10	283.1	2018 Year End Tax Deferrals - WS C-2	(34,869,315)	(26,527,939)	-	7,627,127	-	(15,968,503)	
11		Subtotal	(69,738,629)	(53,055,877)	-	15,254,253	-	(31,937,005)	
12		Average Balance	(34,869,315)	(26,527,939)	0	7,627,127	0	(15,968,503)	
13		Transmission Allocator from TCOS		0.0000%	100.0000%	20.0581%	45.8915%	7.2217%	
14		Allocated Total		0	0	1,529,855	0	(1,153,196)	376,659
Account 190 - Form-1 page 234, Ln 8, Col. (b) & (c)									
15	190.1	2019 Year End Tax Deferrals - WS C-1	113,842,056	102,734,951	-	4,243,840	-	6,863,266	
16	190.1	2018 Year End Tax Deferrals - WS C-2	113,842,056	102,734,951	-	4,243,840	-	6,863,266	
17		Subtotal	227,684,111	205,469,902	-	8,487,679	-	13,726,532	
18		Average Balance before Proration	113,842,056	102,734,951	0	4,243,840	0	6,863,266	
19		Proration Adjustment - WS C-3			0				
20		Prorated Average balance	113,842,056	102,734,951	0	4,243,840	0	6,863,266	
21		Transmission Allocator from TCOS		0.0000%	100.0000%	20.0581%	45.8915%	7.2217%	
22		Allocated Total		0	0	851,232	0	495,644	1,346,876
Account 255 - Form-1 page 266-267									
						Pre 1971 ITC Includable in Rate Base			
23	255.0	Acc Defrd ITC - Federal - 12/31/2019 (FF1 p. 267, Ln 2.h)	-			-			
24	255.0	Acc Defrd ITC - Federal - 12/31/2018 (FF1 p. 266, Ln 2.b)	-			-			
25		Subtotal	-			-			
26		Average Balance	0			0			
27		Transmission Allocator from TCOS				20.0581%			
28		Allocated Total		N/A	N/A	0	N/A	N/A	0

* 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, 2019**

Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			
						100% Transmission	PTD Plant	T&D Labor	
2821001	230A	230A ACRS BENEFIT NORMALIZED, EXCLUDING TSG	(659,659,176)	PTD			(659,659,176)		
2821001	230I	230I CAPD INTEREST-SECTION 481(a)-CHANGE IN METHD	(763,036)	PTD			(763,036)		
2821001	230J	230J RELOCATION CST-SECTION 481(a)-CHANGE IN METHD	48,939	PTD			48,939		
2821001	230X	230X R & D DEDUCTION - SEC 174	(8,479,963)	PTD			(8,479,963)		
2821001	234Q	234Q MACRS TAX DEPRECIATION - RAIL CARS	(2,775,164)	PTD			(2,775,164)		
2821001	260A	260A SPARE PARTS INVENTORY	1,679,950	PTD			1,679,950		
2821001	280H	280H BK PLANT IN SERVICE - SFAS 143 - ARO	(18,481,099)	E	(18,481,099)				
2821001	295A	295A GAIN/LOSS ON ACRS/MACRS PROPERTY	(23,119,970)	PTD			(23,119,970)		
2821001	295C	295C GAIN/LOSS-ACRS/MACRS-BK/TX UNIT PROP	1,058,847	PTD			1,058,847		
2821001	295D	295D TAX LOSS ON PLANT RETIREMENTS	(1,612,881)	E	(1,612,881)				
2821001	320A	320A ABFUDC	(48,363,448)	PTD			(48,363,448)		
2821001	380J	380J INT EXP CAPITALIZED FOR TAX	76,462,067	PTD			76,462,067		
2821001	390A	390A CIAC - BOOK RECEIPTS	9,707,886	E	9,707,886				
2821001	510H	510H PROPERTY TAX-NEW METHOD-BOOK	(235,402)	PTD			(235,402)		
2821001	532A	532A PERCENT REPAIR ALLOWANCE	(9,076,044)	PTD			(9,076,044)		
2821001	532C	532C BOOK/TAX UNIT OF PROPERTY ADJ	(53,477,827)	PTD			(53,477,827)		
2821001	532D	532D BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	(21,056,812)	PTD			(21,056,812)		
2821001	533J	TX ACCEL AMORT - CAPITALIZED SOFTWARE	(1,545,968)	PTD			(1,545,968)		
2821001	534A	534A CAPITALIZED RELOCATION COSTS	(7,922,918)	PTD			(7,922,918)		
2821001	662A	662A WRITE-OFF RE SFAS 71	(6,708,347)	PTD			(6,708,347)		
2821001	662B	662B SFAS 109 WRITE-OFF RE SFAS 71	(1,726,995)	PTD			(1,726,995)		
2821001	680A	680A JOINT VENTURES-SYS FUEL PRJ-TX	(13,720)	E	(13,720)				
2821001	710W	710W BREM & HAUGH ACQUISITION ADJ-TX	3,730,949	E	3,730,949				
2821001	711N	711N CAPITALIZED SOFTWARE COSTS-TAX	4,890	Labor					4,890
2821001	711O	711O BOOK LEASES CAPITALIZED FOR TAX	208,390	PTD			208,390		
2821001	712K	712K CAPITALIZED SOFTWARE COST-BOOK	(8,361,782)	Labor					(8,361,782)
2821001	910J	910J INTEREST EXPENSE - COAL CARS	(8,507,705)	E	(8,507,705)				
2821001	910K	910K REMOVAL CST	(45,634,504)	PTD			(45,634,504)		
2821001	910W	910W REMOVAL COSTS REV-SFAS 143-ARO	(6,338)	E	(6,338)				
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED	-	PTD			0		
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-AR	(83,543,531)	PTD			(83,543,531)		
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-FERC	(23,513,396)	PTD			(23,513,396)		
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-LA	(168,377,491)	PTD			(168,377,491)		
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-TX	(203,658,927)	PTD			(203,658,927)		
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-AR	(12,330,754)	PTD			(12,330,754)		
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-FERC	(2,031,014)	PTD			(2,031,014)		
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-LA	(19,475,565)	PTD			(19,475,565)		
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-TX	(23,629,702)	PTD			(23,629,702)		
2821001	230A	Forecast Adjustment to 230A	(39,707,718)		(441,551)	-	(38,930,117)	-	(336,050)
282.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	(1,410,895,282)		(15,624,460)	0	(1,386,577,880)	0	(8,692,943)
		(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	(912,562)	E	(912,562)				
2831001	014C-LA	NOL-STATE C/F-DEF TAX ASSET-L/T - LA	(8,319,499)	E	(8,319,499)				
2831001	014C-OK	NOL-STATE C/F-DEF TAX ASSET-L/T - OK	(45,658)	E	(45,658)				
2831001	575E	575E MTM BK GAIN-A/L-TAX DEFL	357,969	E	357,969				
2831001	575E-MJE	575E-MJE MTM BK GAIN-A/L-TAX DEFL - MJE	(3,333)	E	(3,333)				
2831001	576E	576E MARK & SPREAD-DEFL-283-A/L	28,097	E	28,097				
2831001	605B	605B ACCRUED BK PENSION EXPENSE	(17,153,328)	Labor					(17,153,328)
2831001	605C	605C ACCRUED BK PENSION COSTS - SFAS 158	19,431,895	E	19,431,895				
2831001	614G	PROV LA FUEL LITIGATION EXP	(0)	E	(0)				
2831001	630J	630J DEFD STORM DAMAGE	4	E	4				
2831001	630M	630M RATE CASE DEFD CHGS	(1,177,964)	E	(1,177,964)				
2831001	632U	632U BK DEFL-DEMAND SIDE MNGMT EXP	(0)	E	(0)				
2831001	638A	638A BOOK > TAX BASIS - EMA-A/C 283	(887)	E	(887)				
2831001	660A	660A TRANSITION REGULATORY ASSETS	0	E	0				
2831001	660F	660F REG ASSET-SFAS 143 - ARO	(1,152,506)	E	(1,152,506)				
2831001	660L	REG ASSET-DEFERRED LITIGATION COSTS	(0)	E	(0)				
2831001	661R	661R REG ASSET-SFAS 158 - PENSIONS	(19,431,895)	E	(19,431,895)				
2831001	661S	661S REG ASSET-SFAS 158 - SERP	(228,228)	E	(228,228)				
2831001	661T	661T REG ASSET-SFAS 158 - OPEB	343,307	E	343,307				
2831001	664A	664A REG ASSET-UND/REC ENVIRON ADJ CLAUSE-LA	(45,356)	E	(45,356)				
2831001	664R	664R REG ASSET-VALLEY DISTRICT DUE DILIGENCE	-	E	0				
2831001	664S	664S REG ASSET-VERMCO EMPLOYEE RETIREMENT	0	E	0				
2831001	664U	664U REG ASSET-VERMCO ACQUIS/INVESTMENTS	(0)	E	(0)				
2831001	664V	664V REG ASSET-NET CCS FEED STUDY COSTS	(93,840)	E	(93,840)				
2831001	664X	664X REG ASSET-SWEP/VERMCO TRANSACTION COST	(0)	E	(0)				
2831001	668P	668P REG ASSET-LA 2009 FRP ASSET	-	E	0				
2831001	669J	REG ASSET-ENERGY EFFICIENCY RECOVERY	(293,252)	E	(293,252)				
2831001	669X	669X REG ASSET-SWEP/CO SHIPE ROAD	(485,341)	E	(485,341)				
2831001	669Y	669Y REG ASSET-2010 SEVERANCE COSTS-LA FRP	0	E	0				
2831001	670O	670O REG ASSET-ENVIRONMENTAL CHEMICAL COST-AR	(609,332)	E	(609,332)				
2831001	672P	672P REG ASSET-FACILITIES MAINT-SWEP/CO LA	(160,494)	E	(160,494)				
2831001	673J	673J REG ASSET-WELSH/FLINT CRK ENVIRON DEF	(4,687,827)	E	(4,687,827)				
2831001	673K	673K REG ASSET-WELSH/FLINT CRK ENVIRON-CONTRA	1,639,669	E	1,639,669				
2831001	673U	REG ASSET-LA 2015 FRP-SPP DEFERRAL	(1,025,415)	E	(1,025,415)				
2831001	673V	REG ASSET-LA 2015 FRP-UNREC EQUITY	55,971	E	55,971				
2831001	673Z	REG ASSET-WELSH 2 TX-UNDEPR BAL	(3,614,220)	E	(3,614,220)				
2831001	690F	REG ASSET-NBV-ARO-RETIRED PLANTS	(105,599)	E	(105,599)				
2831001	711M	AMAX COAL CONTRACT-TX	0	E	0				
2831001	900A	900A LOSS ON REACQUIRED DEBT	(892,647)	PTD			(892,647)		
2831001	900F	900F BK DEFL-GAIN REACQUIRED DEBT	2,453	PTD			2,453		
2831001	906A	906A ACCRD SFAS 106 PST RETIRE EXP	(6,012,154)	E	(6,012,154)				
2831001	906D	906D SFAS 106 PST RETIRE EXP - NON-DEDUCT CONT	3,441,111	E	3,441,111				
2831001	906K	906K ACCRD SFAS 112 PST EMPLOY BEN	1,184,826	Labor					1,184,826
2831001	906Z	906Z SFAS 106 - MEDICARE SUBSIDY - (PPACA)-REG ASSET	(699,969)	E	(699,969)				
2831001	913Y	913Y BK DEFL - MERGER COSTS	0	E	0				
2831001	921A	921A BK DEPLETION-MINERALS & RIGHTS	2,070,233	E	2,070,233				
2831001	930A	930A BOOK > TAX BASIS-PRTSHP INVEST	(2,349,387)	E	(2,349,387)				
2831001	940K	940K 1988-1990 IRS AUDIT SETTLEMENT	(1,623)	E	(1,623)				
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-AR	1,983,568	PTD			1,983,568		
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-FERC	990,855	PTD			990,855		

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, 2019**

Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			
						100% Transmission	PTD Plant	T&D	Labor
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-LA	3,291,898	PTD			3,291,898		
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-TX	2,251,000	PTD			2,251,000		
2831001		TAX ADJUSTMENTS	(2,439,851)	E	(2,439,851)				
2831002	911Q-DSIT	DSIT ENTRY - NORMALIZED	-	PTD			0		
		Forecast Adjustment			-	-	-	-	-
283.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	(34,869,315)		(26,527,939)	0	7,627,127	0	(15,968,503)
		(absolute value Total Company Amount Ties to FF1 p.277(k) -- Acct 283 Electric)							
1901001	011C-DFIT	011C-DFIT TAX CREDIT C/F - DEF TAX ASSET	(898,797)	E	(898,797)				
1901001	011C-MJE	011C-MJE TAX CREDIT C/F - DEF TAX ASSET- MJE	898,797	E	898,797				
1901001	433A	433A PUCT FUEL O/U RECOVERY-RETAIL	0	E	0				
1901001	433B	433B INTEREST-FUEL OVER/UNDER RECOVERY	(0)	E	(0)				
1901001	433C	433C AR - FUEL OVER/UNDER RECOVERY	(2,852,824)	E	(2,852,824)				
1901001	433D	433D LA - FUEL OVER/UNDER RECOVERY	(0)	E	(0)				
1901001	460A	460A UNBILLED REVENUE	4,646,289	E	4,646,289				
1901001	520A	520A PROVS POSS REV REFDS-A/L	3,450,425	PTD			3,450,425		
1901001	520X	PROV FOR RATE REFUND-TAX REFORM	6,906,490	E	6,906,490				
1901001	520Y	PROV FOR RATE REFUND-EXCESS PROTECTED	1,894,534	E	1,894,534				
1901001	576F	576F MARK & SPREAD-DEFL-190-A/L	(37,376)	E	(37,376)				
1901001	602A	602A PROV WORKER'S COMP	162,755	Labor					162,755
1901001	605E	605E SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN	238,227	Labor					238,227
1901001	605F	605F ACCRD SUP EXEC RETIR PLAN COSTS-SFAS 158	228,228	E	228,228				
1901001	605I	605I ACCRD BK SUP. SAVINGS PLAN EXP	225,583	Labor					225,583
1901001	605J	605J EMPLOYER SAVINGS PLAN MATCH	0	E	0				
1901001	605K	605K ACCRUED BK BENEFIT COSTS	15,205	Labor					15,205
1901001	605O	605O ACCRUED PSI PLAN EXP	305,607	Labor					305,607
1901001	605P	605P STOCK BASED COMP-CAREER SHARES	673,767	Labor					673,767
1901001	610A	610A BK PROV UNCOLL ACCTS - ST	181,255	E	181,255				
1901001	610U	610U PROV-TRADING CREDIT RISK - A/L	35	E	35				
1901001	610V	610V PROV-FAS 157 - A/L	(3,179)	E	(3,179)				
1901001	611E	611E ACCRUED MINE RECLAMATION	7,343,973	E	7,343,973				
1901001	611G	611G DEFD COMPENSATION-BOOK EXPENSE	355,965	Labor					355,965
1901001	612Y	612Y ACCRD COMPANYWIDE INCENTV PLAN	2,163,954	Labor					2,163,954
1901001	613C	613C ACCRD ENVIRONMENTAL LIAB-CURRENT	5,336	PTD			5,336		
1901001	613E	613E ACCRUED BOOK VACATION PAY	2,443,828	Labor					2,443,828
1901001	613F	613F ACCRD ENVIRONMENTAL LIAB-LONG TERM	716	E	716				
1901001	613K	613K (ICDP)-INCENTIVE COMP DEFERRAL PLAN	27,738	Labor					27,738
1901001	615A	615A ACCRUED INTEREST EXP -STATE	0	PTD			0		
1901001	615B	615B ACCRUED INTEREST-LONG-TERM - FIN 48	(407,180)	E	(407,180)				
1901001	615B-MJE	615B-MJE ACCRD INTRST-TAX RES-L/T-FIN 48-MJE	432,254	E	432,254				
1901001	615C	615C ACCRUED INTEREST-SHORT-TERM - FIN 48	4,634	E	4,634				
1901001	615E	615E ACCRUED STATE INCOME TAX EXP	(372,842)	E	(372,842)				
1901001	615O	615O BK DFL RAIL TRANS REV/EXP	(0)	E	(0)				
1901001	641I	641I ADVANCE RENTAL INC (CUR MO)	370,558	PTD			370,558		
1901001	641X	641X DEFERRED INCOME - DOLET HILLS MINING BUYOUT	57,310	E	57,310				
1901001	651F	651F DISALLOWED COSTS - TURK PLANT	11,066,116	E	11,066,116				
1901001	651H	651H DISALLOWED COSTS - TURK PLANT AUX BOILER	3,455,813	E	3,455,813				
1901001	651I	DISALLOWED COSTS-TX TRANS VEG MGT CST	312,746	E	312,746				
1901001	651J	DISALLOWED COSTS-TX DIST VEG MGT CST	861,751	E	861,751				
1901001	651K	DISALLOWED COSTS-TX TRANS VEG MGT CST-AMORT	(13,654)	E	(13,654)				
1901001	651M	DISALLOWED COSTS-TX DIST VEG MGT CST-AMORT	(69,042)	E	(69,042)				
1901001	651Q	DISALLOWED COSTS-TX SERP COSTS	33,536	E	33,536				
1901001	651R	DISALLOWED COSTS-TX DIST COSTS	10,080	E	10,080				
1901001	651S	DISALLOWED COSTS-TX GEN COSTS	-	E	0				
1901001	651T	DISALLOWED COSTS-TX CWIP FINBASED INCEN-TRANS	384,494	E	384,494				
1901001	651W	DISALLOWED COSTS-TX CWIP FINBASED INCEN-DIST	462,497	E	462,497				
1901001	651X	DISALLOWED COSTS-TX CWIP FINBASED INCEN-GEN	531,605	E	531,605				
1901001	651Y	DISALLOWED COSTS-TX RWIP FINBASED INCEN-TRANS	13,522	E	13,522				
1901001	651Z	DISALLOWED COSTS-TX RWIP FINBASED INCEN-DIST	19,293	E	19,293				
1901001	652G	652G REG LIAB-UNREAL MTM GAIN-DEFL	(348,128)	E	(348,128)				
1901001	653A	DISALLOWED COSTS-TX RWIP FINBASED INCEN-GEN	19,903	E	19,903				
1901001	701A	701A AMORT - GOODWILL PER BOOKS	1,271,789	E	1,271,789				
1901001	702A	702A GOODWILL PER TAX	(678,290)	E	(678,290)				
1901001	710H	710H AMORT ELEC PLT ACQ ADJS	89,765	E	89,765				
1901001	906F	906F ACCRD OPEB COSTS - SFAS 158	(343,307)	E	(343,307)				
1901001	906P	906P ACCRD BOOK ARO EXPENSE - SFAS 143	23,692,713	E	23,692,713				
1901001	911F-FIN48	911F-FIN48 FIN 48 DSIT	(20,805)	E	(20,805)				
1901001	911S	911S ACCRUED SALES & USE TAX RESERVE	(457,590)	E	(457,590)				
1901001	911S	911S ACCRUED SALES & USE TAX RESERVE - MJE	457,590	E	457,590				
1901001	911V	911V ACCRD SIT TX RESERVE-LNG-TERM-FIN 48	(725,327)	E	(725,327)				
1901001	911V-MJE	911V-MJE ACCRD SIT TX RES-LNG-TERM-FIN 48-MJE	565,363	E	565,363				
1901001	911W	911W ACCRD SIT TX RESERVE-SHRT-TERM-FIN 48	11,266	E	11,266				
1901001	940A	IRS AUDIT SETTLEMENT	(1,356,243)	E	(1,356,243)				
1901001	940X	940X IRS CAPITALIZATION ADJUSTMENT	363,635	PTD			363,635		
1901001	960E	960E AMT CREDIT - DEFERRED	(0)	E	(0)				
1901001	960Z	960Z NOL - DEFERRED TAX ASSET RECLASS	-	E	0				
1901001	980A	RESTRICTED STOCK PLAN	24,141	Labor					24,141
1901001	980J	PSI - STOCK BASED COMP	117,714	Labor					117,714
1901002	014C-AR	NOL-STATE C/F-DEF TAX ASSET-L/T - AR	4,345,535	E	4,345,535				
1901002	014C-LA	NOL-STATE C/F-DEF TAX ASSET-L/T - LA	39,616,662	E	39,616,662				
1901002	014C-OK	NOL-STATE C/F-DEF TAX ASSET-L/T - OK	217,419	E	217,419				
		Forecast Adjustment to 190	1,448,230		1,285,562	-	53,885	-	108,784
190.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	113,842,056		102,734,951	0	4,243,840	0	6,863,266
		(Total Company Amount Ties to FF1 p.234(c) -- Electric)							

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, 2018

AEP - SPP Formula Rate
TCOS - WS-C2
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Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			
						100% Transmission	PTD Plant	T&D	Labor
2821001	230A	230A ACRS BENEFIT NORMALIZED, EXCLUDING TSG	(659,659,176.41)	PTD			(659,659,176)		
2821001	230I	230I CAPD INTEREST-SECTION 481(a)-CHANGE IN METHD	(763,036)	PTD			(763,036)		
2821001	230J	230J RELOCATION CST-SECTION 481(a)-CHANGE IN METH	48,939	PTD			48,939		
2821001	230X	230X R & D DEDUCTION - SEC 174	(8,479,963)	PTD			(8,479,963)		
2821001	234Q	234Q MACRS TAX DEPRECIATION - RAIL CARS	(2,775,164)	PTD			(2,775,164)		
2821001	260A	260A SPARE PARTS INVENTORY	1,679,950	PTD			1,679,950		
2821001	280H	280H BK PLANT IN SERVICE - SFAS 143 - ARO	(18,481,099)	E	(18,481,099)				
2821001	295A	295A GAIN/LOSS ON ACRS/MACRS PROPERTY	(23,119,970)	PTD			(23,119,970)		
2821001	295C	295C GAIN/LOSS-ACRS/MACRS-BK/TX UNIT PROP	1,058,847	PTD			1,058,847		
2821001	295D	295D TAX LOSS ON PLANT RETIREMENTS	(1,612,881)	E	(1,612,881)				
2821001	320A	320A ABFUDC	(48,363,448)	PTD			(48,363,448)		
2821001	380J	380J INT EXP CAPITALIZED FOR TAX	76,462,067	PTD			76,462,067		
2821001	390A	390A CIAC - BOOK RECEIPTS	9,707,886	E	9,707,886				
2821001	510H	510H PROPERTY TAX-NEW METHOD-BOOK	(235,402)	PTD			(235,402)		
2821001	532A	532A PERCENT REPAIR ALLOWANCE	(9,076,044)	PTD			(9,076,044)		
2821001	532C	532C BOOK/TAX UNIT OF PROPERTY ADJ	(53,477,827)	PTD			(53,477,827)		
2821001	532D	532D BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	(21,056,812)	PTD			(21,056,812)		
2821001	533J	TX ACCEL AMORT - CAPITALIZED SOFTWARE	(1,545,968)	PTD			(1,545,968)		
2821001	534A	534A CAPITALIZED RELOCATION COSTS	(7,922,918)	PTD			(7,922,918)		
2821001	662A	662A WRITE-OFF RE SFAS 71	(6,708,347)	PTD			(6,708,347)		
2821001	662B	662B SFAS 109 WRITE-OFF RE SFAS 71	(1,726,995)	PTD			(1,726,995)		
2821001	680A	680A JOINT VENTURES-SYS FUEL PRJ-TX	(13,720)	E	(13,720)				
2821001	710W	710W BREM & HAUGH ACQUISITON ADJ-TX	3,730,949	E	3,730,949				
2821001	711N	711N CAPITALIZED SOFTWARE COSTS-TAX	4,890	Labor					4,890
2821001	711O	711O BOOK LEASES CAPITALIZED FOR TAX	208,390	PTD			208,390		
2821001	712K	712K CAPITALIZED SOFTWARE COST-BOOK	(8,361,782)	Labor					(8,361,782)
2821001	910J	910J INTEREST EXPENSE - COAL CARS	(8,507,705)	E	(8,507,705)				
2821001	910K	910K REMOVAL CST	(45,634,504)	PTD			(45,634,504)		
2821001	910W	910W REMOVAL COSTS REV-SFAS 143-ARO	(6,338)	E	(6,338)				
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED	-	PTD			0		
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-AR	(83,543,531)	PTD			(83,543,531)		
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-FERC	(23,513,396)	PTD			(23,513,396)		
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-LA	(168,377,491)	PTD			(168,377,491)		
2821001	960F-XS	EXCESS ADFIT 282 - PROTECTED-TX	(203,658,927)	PTD			(203,658,927)		
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-AR	(12,330,754)	PTD			(12,330,754)		
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-FERC	(2,031,014)	PTD			(2,031,014)		
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-LA	(19,475,565)	PTD			(19,475,565)		
2821001	960F-XS	EXCESS ADFIT 282 - UNPROTECTED-TX	(23,629,702)	PTD			(23,629,702)		
2821001	230A	Forecast Adjustment to 230A	(4,989,893)		(55,488)	-	(4,892,175)	-	(42,230)
282.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	(1,376,177,457)		(15,238,396)	0	(1,352,539,938)	0	(8,399,123)
		(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	(912,562)	E	(912,562)				
2831001	014C-LA	NOL-STATE C/F-DEF TAX ASSET-L/T - LA	(8,319,499)	E	(8,319,499)				
2831001	014C-OK	NOL-STATE C/F-DEF TAX ASSET-L/T - OK	(45,658)	E	(45,658)				
2831001	575E	575E MTM BK GAIN-A/L-TAX DEFL	357,969	E	357,969				
2831001	575E-MJE	575E-MJE MTM BK GAIN-A/L-TAX DEFL - MJE	(3,333)	E	(3,333)				
2831001	576E	576E MARK & SPREAD-DEFL-283-A/L	28,097	E	28,097				
2831001	605B	605B ACCRUED BK PENSION EXPENSE	(17,153,328)	Labor					(17,153,328)
2831001	605C	605C ACCRUED BK PENSION COSTS - SFAS 158	19,431,895	E	19,431,895				
2831001	614G	PROV LA FUEL LITIGATION EXP	(0)	E	(0)				
2831001	630J	630J DEFD STORM DAMAGE	4	E	4				
2831001	630M	630M RATE CASE DEFD CHGS	(1,177,964)	E	(1,177,964)				
2831001	632U	632U BK DEFL-DEMAND SIDE MNGMT EXP	(0)	E	(0)				
2831001	638A	638A BOOK > TAX BASIS - EMA-A/C 283	(887)	E	(887)				
2831001	660A	660A TRANSITION REGULATORY ASSETS	0	E	0				
2831001	660F	660F REG ASSET-SFAS 143 - ARO	(1,152,506)	E	(1,152,506)				
2831001	660L	REG ASSET-DEFERRED LITIGATION COSTS	(0)	E	(0)				
2831001	661R	661R REG ASSET-SFAS 158 - PENSIONS	(19,431,895)	E	(19,431,895)				
2831001	661S	661S REG ASSET-SFAS 158 - SERP	(228,228)	E	(228,228)				
2831001	661T	661T REG ASSET-SFAS 158 - OPEB	343,307	E	343,307				
2831001	664A	664A REG ASSET-UND/REC ENVIRON ADJ CLAUSE-LA	(45,356)	E	(45,356)				
2831001	664R	664R REG ASSET-VALLEY DISTRICT DUE DILIGENCE	-	E	0				
2831001	664S	664S REG ASSET-DEMCO EMPLOYEE RETIREMENT	0	E	0				
2831001	664U	664U REG ASSET-DEMCO ACQUIS/INVESTMENTS	(0)	E	(0)				
2831001	664V	664V REG ASSET-NET CCS FEED STUDY COSTS	(93,840)	E	(93,840)				
2831001	664X	664X REG ASSET-SWEP/DEMCO TRANSACTION COST	(0)	E	(0)				
2831001	668P	668P REG ASSET-LA 2009 FRP ASSET	-	E	0				
2831001	669J	REG ASSET-ENERGY EFFICIENCY RECOVERY	(293,252)	E	(293,252)				
2831001	669X	669X REG ASSET-SWEP/CO SHIPE ROAD	(485,341)	E	(485,341)				
2831001	669Y	669Y REG ASSET-2010 SEVERANCE COSTS-LA FRP	0	E	0				
2831001	670O	670O REG ASSET-ENVIRONMENTAL CHEMICAL COST-AR	(609,332)	E	(609,332)				
2831001	672P	672P REG ASSET-FACILITIES MAINT-SWEP/CO LA	(160,494)	E	(160,494)				
2831001	673J	673J REG ASSET-WELSH/FLINT CRK ENVIRON DEF	(4,687,827)	E	(4,687,827)				
2831001	673K	673K REG ASSET-WELSH/FLINT CRK ENVIRON-CONTRA	1,639,669	E	1,639,669				
2831001	673U	REG ASSET-LA 2015 FRP-SPP DEFERRAL	(1,025,415)	E	(1,025,415)				
2831001	673V	REG ASSET-LA 2015 FRP-UNREC EQUITY	55,971	E	55,971				
2831001	673Z	REG ASSET-WELSH 2 TX-UNDEPR BAL	(3,614,220)	E	(3,614,220)				
2831001	690F	REG ASSET-NBV-ARO-RETIRED PLANTS	(105,599)	E	(105,599)				
2831001	711M	AMAX COAL CONTRACT-TX	0	E	0				
2831001	900A	900A LOSS ON REACQUIRED DEBT	(892,647)	PTD			(892,647)		
2831001	900F	900F BK DEFL-GAIN REACQUIRED DEBT	2,453	PTD			2,453		
2831001	906A	906A ACCRD SFAS 106 PST RETIRE EXP	(6,012,154)	E	(6,012,154)				
2831001	906D	906D SFAS 106 PST RETIRE EXP - NON-DEDUCT CONT	3,441,111	E	3,441,111				
2831001	906K	906K ACCRD SFAS 112 PST EMPLOY BEN	1,184,826	Labor					1,184,826
2831001	906Z	906Z SFAS 106 - MEDICARE SUBSIDY - (PPACA)-REG ASSE	(699,969)	E	(699,969)				
2831001	913Y	913Y BK DEFL - MERGER COSTS	0	E	0				
2831001	921A	921A BK DEPLETION-MINERALS & RIGHTS	2,070,233	E	2,070,233				
2831001	930A	930A BOOK > TAX BASIS-PRTSHP INVEST	(2,349,387)	E	(2,349,387)				
2831001	940K	940K 1988-1990 IRS AUDIT SETTLEMENT	(1,623)	E	(1,623)				
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-AR	1,983,568	PTD			1,983,568		
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-FERC	990,855	PTD			990,855		
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-LA	3,291,898	PTD			3,291,898		
2831001	960F-XS	EXCESS ADFIT 283 - UNPROTECTED-TX	2,251,000	PTD			2,251,000		
2831001		TAX ADJUSTMENTS	(2,439,851)	E	(2,439,851)				

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, 2018

AEP - SPP Formula Rate
 TCOS - WS-C2
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Account	Line #	Description	Balance	Allocation Basis	Exclusions	Allocation Method			
						100% Transmission	PTD Plant	T&D	Labor
2831002	911Q-DSIT	DSIT ENTRY - NORMALIZED	-	PTD			0		
		Forecast Adjustment	-						
283.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	(34,869,315)		(26,527,939)	0	7,627,127	0	(15,968,503)
(absolute value Total Company Amount Ties to FF1 p.277(k) -- Acct 283 Electric)									
1901001	011C-DFIT	011C-DFIT TAX CREDIT C/F - DEF TAX ASSET	(898,797)	E	(898,797)				
1901001	011C-MJE	011C-MJE TAX CREDIT C/F - DEF TAX ASSET- MJE	898,797	E	898,797				
1901001	433A	433A PUCT FUEL O/U RECOVERY-RETAIL	0	E	0				
1901001	433B	433B INTEREST-FUEL OVER/UNDER RECOVERY	(0)	E	(0)				
1901001	433C	433C AR - FUEL OVER/UNDER RECOVERY	(2,852,824)	E	(2,852,824)				
1901001	433D	433D LA - FUEL OVER/UNDER RECOVERY	(0)	E	(0)				
1901001	460A	460A UNBILLED REVENUE	4,646,289	E	4,646,289				
1901001	520A	520A PROVS POSS REV REFDS-A/L	3,450,425	PTD			3,450,425		
1901001	520X	PROV FOR RATE REFUND-TAX REFORM	6,906,490	E	6,906,490				
1901001	520Y	PROV FOR RATE REFUND-EXCESS PROTECTED	1,894,534	E	1,894,534				
1901001	576F	576F MARK & SPREAD-DEFL-190-A/L	(37,376)	E	(37,376)				
1901001	602A	602A PROV WORKER'S COMP	162,755	Labor					162,755
1901001	605E	605E SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN	238,227	Labor					238,227
1901001	605F	605F ACCRD SUP EXEC RETIR PLAN COSTS-SFAS 158	228,228	E	228,228				
1901001	605I	605I ACCRD BK SUP. SAVINGS PLAN EXP	225,583	Labor					225,583
1901001	605J	605J EMPLOYER SAVINGS PLAN MATCH	0	E	0				
1901001	605K	605K ACCRUED BK BENEFIT COSTS	15,205	Labor					15,205
1901001	605O	605O ACCRUED PSI PLAN EXP	305,607	Labor					305,607
1901001	605P	605P STOCK BASED COMP-CAREER SHARES	673,767	Labor					673,767
1901001	610A	610A BK PROV UNCOLL ACCTS - ST	181,255	E	181,255				
1901001	610U	610U PROV-TRADING CREDIT RISK - A/L	35	E	35				
1901001	610V	610V PROV-FAS 157 - A/L	(3,179)	E	(3,179)				
1901001	611E	611E ACCRUED MINE RECLAMATION	7,343,973	E	7,343,973				
1901001	611G	611G DEFD COMPENSATION-BOOK EXPENSE	355,965	Labor					355,965
1901001	612Y	612Y ACCRD COMPANYWIDE INCENTV PLAN	2,163,954	Labor					2,163,954
1901001	613C	613C ACCRD ENVIRONMENTAL LIAB-CURRENT	5,336	PTD			5,336		
1901001	613E	613E ACCRUED BOOK VACATION PAY	2,443,828	Labor					2,443,828
1901001	613F	613F ACCRD ENVIRONMENTAL LIAB-LONG TERM	716	E	716				
1901001	613K	613K (ICDP)-INCENTIVE COMP DEFERRAL PLAN	27,738	Labor					27,738
1901001	615A	615A ACCRUED INTEREST EXP -STATE	0	PTD			0		
1901001	615B	615B ACCRUED INTEREST-LONG-TERM - FIN 48	(407,180)	E	(407,180)				
1901001	615B-MJE	615B-MJE ACCRD INTRST-TAX RES-L/T-FIN 48-MJE	432,254	E	432,254				
1901001	615C	615C ACCRUED INTEREST-SHORT-TERM - FIN 48	4,634	E	4,634				
1901001	615E	615E ACCRUED STATE INCOME TAX EXP	(372,842)	E	(372,842)				
1901001	615O	615O BK DFL RAIL TRANS REV/EXP	(0)	E	(0)				
1901001	641I	641I ADVANCE RENTAL INC (CUR MO)	370,558	PTD			370,558		
1901001	641X	641X DEFERRED INCOME - DOLET HILLS MINING BUYOUT	57,310	E	57,310				
1901001	651F	651F DISALLOWED COSTS - TURK PLANT	11,066,116	E	11,066,116				
1901001	651H	651H DISALLOWED COSTS - TURK PLANT AUX BOILER	3,455,813	E	3,455,813				
1901001	651I	DISALLOWED COSTS-TX TRANS VEG MGT CST	312,746	E	312,746				
1901001	651J	DISALLOWED COSTS-TX DIST VEG MGT CST	861,751	E	861,751				
1901001	651K	DISALLOWED COSTS-TX TRANS VEG MGT CST-AMORT	(13,654)	E	(13,654)				
1901001	651M	DISALLOWED COSTS-TX DIST VEG MGT CST-AMORT	(69,042)	E	(69,042)				
1901001	651Q	DISALLOWED COSTS-TX SERP COSTS	33,536	E	33,536				
1901001	651R	DISALLOWED COSTS-TX DIST COSTS	10,080	E	10,080				
1901001	651S	DISALLOWED COSTS-TX GEN COSTS	-	E	0				
1901001	651T	DISALLOWED COSTS-TX CWIP FINBASED INCEN-TRANS	384,494	E	384,494				
1901001	651W	DISALLOWED COSTS-TX CWIP FINBASED INCEN-DIST	462,497	E	462,497				
1901001	651X	DISALLOWED COSTS-TX CWIP FINBASED INCEN-GEN	531,605	E	531,605				
1901001	651Y	DISALLOWED COSTS-TX RWIP FINBASED INCEN-TRANS	13,522	E	13,522				
1901001	651Z	DISALLOWED COSTS-TX RWIP FINBASED INCEN-DIST	19,293	E	19,293				
1901001	652G	652G REG LIAB-UNREAL MTM GAIN-DEFL	(348,128)	E	(348,128)				
1901001	653A	DISALLOWED COSTS-TX RWIP FINBASED INCEN-GEN	19,903	E	19,903				
1901001	701A	701A AMORT - GOODWILL PER BOOKS	1,271,789	E	1,271,789				
1901001	702A	702A GOODWILL PER TAX	(678,290)	E	(678,290)				
1901001	710H	710H AMORT ELEC PLT ACQ ADJS	89,765	E	89,765				
1901001	906F	906F ACCRD OPEB COSTS - SFAS 158	(343,307)	E	(343,307)				
1901001	906P	906P ACCRD BOOK ARO EXPENSE - SFAS 143	23,692,713	E	23,692,713				
1901001	911F-FIN48	911F-FIN48 FIN 48 DSIT	(20,805)	E	(20,805)				
1901001	911S	911S ACCRUED SALES & USE TAX RESERVE	(457,590)	E	(457,590)				
1901001	911S	911S ACCRUED SALES & USE TAX RESERVE - MJE	457,590	E	457,590				
1901001	911V	911V ACCRD SIT TX RESERVE-LNG-TERM-FIN 48	(725,327)	E	(725,327)				
1901001	911V-MJE	911V-MJE ACCRD SIT TX RES-LNG-TERM-FIN 48-MJE	565,363	E	565,363				
1901001	911W	911W ACCRD SIT TX RESERVE-SHRT-TERM-FIN 48	11,266	E	11,266				
1901001	940A	IRS AUDIT SETTLEMENT	(1,356,243)	E	(1,356,243)				
1901001	940X	940X IRS CAPITALIZATION ADJUSTMENT	363,635	PTD			363,635		
1901001	960E	960E AMT CREDIT - DEFERRED	(0)	E	(0)				
1901001	960Z	960Z NOL - DEFERRED TAX ASSET RECLASS	-	E	0				
1901001	980A	RESTRICTED STOCK PLAN	24,141	Labor					24,141
1901001	980J	PSI - STOCK BASED COMP	117,714	Labor					117,714
1901002	014C-AR	NOL-STATE C/F-DEF TAX ASSET-L/T - AR	4,345,535	E	4,345,535				
1901002	014C-LA	NOL-STATE C/F-DEF TAX ASSET-L/T - LA	39,616,662	E	39,616,662				
1901002	014C-OK	NOL-STATE C/F-DEF TAX ASSET-L/T - OK	217,419	E	217,419				
		Forecast Adjustment to 190	1,448,230		1,285,562		53,885		108,784
190.1		TOTAL ELECTRIC ACCOUNT SUBTOTAL	113,842,056		102,734,951	0	4,243,840	0	6,863,266
(Total Company Amount Ties to FF1 p.234(c) -- Electric)									

**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, 2019**

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)-I(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	WS C-1	(1,410,895,282)
2 Rate Year beginning balance	WS C-2	(1,376,177,457)
3 Annual forecasted change	Line 1 less Line 2	-34,717,825
4 Monthly forecasted change	Line 3 / 12	-2,893,152

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	(1,376,177,457)	(1,376,177,457)		365	100.00%	(1,376,177,457)	(1,376,177,457)
6	January (line 4)	(2,893,152)	(1,379,070,609)	31	335	91.78%	(2,655,359)	(1,378,832,816)
7	February	(2,893,152)	(1,381,963,762)	28	307	84.11%	(2,433,418)	(1,381,266,234)
8	March	(2,893,152)	(1,384,856,914)	31	276	75.62%	(2,187,699)	(1,383,453,933)
9	April	(2,893,152)	(1,387,750,066)	30	246	67.40%	(1,949,905)	(1,385,403,838)
10	May	(2,893,152)	(1,390,643,218)	31	215	58.90%	(1,704,185)	(1,387,108,024)
11	June	(2,893,152)	(1,393,536,370)	30	185	50.68%	(1,466,392)	(1,388,574,416)
12	July	(2,893,152)	(1,396,429,522)	31	154	42.19%	(1,220,672)	(1,389,795,088)
13	August	(2,893,152)	(1,399,322,674)	31	123	33.70%	(974,953)	(1,390,770,041)
14	September	(2,893,152)	(1,402,215,826)	30	93	25.48%	(737,159)	(1,391,507,200)
15	October	(2,893,152)	(1,405,108,978)	31	62	16.99%	(491,440)	(1,391,998,640)
16	November	(2,893,152)	(1,408,002,130)	30	32	8.77%	(253,646)	(1,392,252,286)
17	December	(2,893,152)	(1,410,895,282)	31	1	0.27%	(7,926)	(1,392,260,212)
18	Ending Balance		(1,410,895,282)					(1,392,260,212)
19	Proration Adjustment - Line 18 Col. (H) less Col. (C)							\$ 18,635,070

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)							\$ -

AEP West SPP Member Operating Companies
 Actual / Projected 2019 Rate Year Cost of Service Formula Rate
Worksheet D - Working Capital Rate Base Adjustments
SOUTHWESTERN ELECTRIC POWER COMPANY

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Materials & Supplies								
Line Number		Source	Balance @ December 31, 2019 FF1, p. 227, Col. (c)	Balance @ December 31, 2018 FF1, p. 227, Col. (b)	Average Balance for Rate Year			
1	Transmission Materials & Supplies	FF1, p. 227, In 8, Col. (c & b)	107,954	107,954	107,954			
2	Less: Transmission Serving Generation	Company Records			-			
3	Transmission M&S, Excl Trans Serving Gen		107,954	107,954	107,954			
4	General Materials & Supplies	FF1, p. 227, In 11, Col. (c & b)	77,735	77,735	77,735			
5	Stores Expense (Undistributed) - Account 163	FF1, p. 227, In 16, Col. (c & b)	-	-	0			

Prepayment Balance Summary							
	Average of YE Balance	Excludable Balances	100% Transmission Related	Plant Related	Labor Related	Total Included in Rate Base (E)+(F)+(G)	
6	Totals as of December 31, 2019	29,418,343	(69,374,032)	0	1,781,959	97,010,416	98,792,375
7	Totals as of December 31, 2018	29,418,343	(69,374,032)	0	1,781,959	97,010,416	98,792,375
8	Average Balance	29,418,343	(69,374,032)	0	1,781,959	97,010,416	98,792,375

Prepayments Account 165 - Balance @ 12/31/2019

Acc. No.	Description	2019 YE Balance	Excludable Balances	100% Transmission Related	Plant Related	Labor Related	Total Included in Rate Base (E)+(F)+(G)	Explanation
9	1650001 Prepaid Insurance	1,377,548			624,576	752,972	1,377,548	Plant (Property) , Cyber Risk, Property broker fees, Property Jurisdictional Certification Inspection fees, D&O Liability, Fiduciary Liability, Workers Comp Ins, Excess Liability Ins, Excess Liability broker fees.
10	1650004 Prepaid Interest	0					0	
11	1650005 Prepaid Employee Benefits	0	0				0	
12	1650006 Other Prepayments	16,474,492	16,474,492				0	Prepaid Oklahoma Corporate Commission Fees (OCC) and NERC Assessment Fees, Prepaid Outage Alerts Service, Prepaid AM Advertising and promotion costs.
13	1650009 Prepaid Carry Cost	129,133	129,133				0	AR Factoring - Excluded because it is retail.
14	1650010 Prepaid Pension Benefits	95,630,493				95,630,493	95,630,493	Prefunded Pension Expense
15	165001116 Prepaid Sales Taxes	803,600			803,600		803,600	
16	165001216 Prepaid Use Taxes	20,087	20,087				0	
17	165001316 Prepaid Local Franchise Taxes	57,865	57,865				0	Non-Cash Offset Excludable from Rate Base
18	1650014 FAS 158 Qual Contra Asset	(95,630,493)	(95,630,493)				0	SFAS 158 Offset
19	1650016 FAS 112 ASSETS	0	0				0	Plant (Property) Ins and EIS Excess Liability Ins.
20	1650017 Prepayment - Coal	9,075,000	9,075,000				0	
21	1650021 Prepaid Insurance - EIS	980,734			353,783	626,951	980,734	
22	1650023 Prepaid Leases	199,884	199,884				0	
23	1650029 Future Wetland Credits - Long Term	300,000	300,000				0	
24	1650030 Other Prepayments - Long Term	0	0				0	
25	1650031 Prepaid OCIP Work Comp	0	0				0	
26	1650032 Prepaid OCIP Work Comp-Long Term	0	0				0	
27	1650033 Prepaid OCIP Work Comp-Affiliated	0	0				0	
28	1650034 Prepaid OCIP Work Comp-Affiliated Long Term	0	0				0	
29	1650035 PRW Without MED-D Benefits	23,527,840	23,527,840				0	
30	1650036 PRW for Med-D Benefits	0	0				0	
31	1650037 FAS158 Contra-PRW Exclude Med-D	(23,527,840)	(23,527,840)				0	
32							0	
33							0	
34							0	
35							0	
36							0	
37							0	
38							0	
39							0	
40	Subtotal - Form 1, p 111.57.c	29,418,343	(69,374,032)	0	1,781,959	97,010,416	98,792,375	

Prepayments Account 165 - Balance @ 12/31/2018

Acc. No.	Description	2018 YE Balance	Excludable Balances	100% Transmission Related	Plant Related	Labor Related	Total Included in Rate Base (E)+(F)+(G)	Explanation
42	1650001 Prepaid Insurance	1,377,548			624,576	752,972	1,377,548	Plant (Property) Ins., Cyber Risk Ins, Property Broker fees, Liability Ins and Broker's fees.
43	1650004 Prepaid Interest	0					0	
44	1650005 Prepaid Employee Benefits	0	0				0	
45	1650006 Other Prepayments	16,474,492	16,474,492				0	Prepaid Royalty Pmts to Coal Leaseholders, Stall Prepaid agreement fees & NERC Assessment fees.
46	1650009 Prepaid Carry Cost	129,133	129,133				0	
47	1650010 Prepaid Pension Benefits	95,630,493				95,630,493	95,630,493	Prefunded Pension Expense
48	165001116 Prepaid Sales Taxes	803,600			803,600		803,600	
49	165001216 Prepaid Use Taxes	20,087	20,087				0	
50	165001316 Prepaid Local Franchise Taxes	57,865	57,865				0	
51	1650014 FAS 158 Qual Contra Asset	(95,630,493)	(95,630,493)				0	SFAS 158 Offset
52	1650016 FAS 112 ASSETS	0	0				0	
53	1650017 Prepayment - Coal	9,075,000	9,075,000				0	
54	1650021 Prepaid Insurance - EIS	980,734			353,783	626,951	980,734	EIS Excess Liability Ins and EIS Property Ins.
55	1650023 Prepaid Leases	199,884	199,884				0	
56	1650029 Future Wetland Credits - Long Term	300,000	300,000				0	Dolet Hills Future Wetlands Credit
57	1650030 Other Prepayments - Long Term	0	0				0	
58	1650031 Prepaid OCIP Work Comp	0	0				0	
59	1650032 Prepaid OCIP Work Comp-Long Term	0	0				0	
60	1650033 Prepaid OCIP Work Comp-Affiliated	0	0				0	
61	1650034 Prepaid OCIP Work Comp-Affiliated Long Term	0	0				0	
62	1650035 PRW Without MED-D Benefits	23,527,840	23,527,840				0	
63	1650036 PRW for Med-D Benefits	0	0				0	
64	1650037 FAS158 Contra-PRW Exclude Med-D	(23,527,840)	(23,527,840)				0	
65							0	
66							0	
67							0	
68							0	
69							0	
70							0	
71							0	
72							0	
73							0	
74	Subtotal - Form 1, p 111.57.c d	29,418,343	(69,374,032)	0	1,781,959	97,010,416	98,792,375	

AEP West SPP Member Operating Companies
Actual / Projected 2019 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) 2019</u>
1	Net Funds from IPP Customers @ 12/31/2018 (2019 FORM 1, P269, (B))	25,261,807
2	Interest Accrual (Company Records)	-
3	Revenue Credits to Generators (Company Records)	(110,144)
4	<u>Other Adjustments (Company Records)</u>	
5	Accounting Adjustment	-
6		
7	Net Funds from IPP Customers 12/31/2019 (2019 FORM 1, P269, (F))	25,151,663
8	Average Balance for 2019 ((In 1 + In 7)/2)	25,206,735

AEP West SPP Member Operating Companies
 Actual / Projected 2019 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 141)		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 139 through 141)		
5		%	Cost
6	Long Term Debt	53.32%	4.59%
7	Preferred Stock	0.00%	0.00%
8	Common Stock	46.68%	10.50%
9			R = 7.35%

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

10	Rate Base (TCOS, In 62)	1,053,463,228
11	R (from A. above)	0.0735
12	Return (Rate Base x R)	77,391,368

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

13	Return (from B. above)	77,391,368
14	Tax Rate (TCOS, In 97)	24.72%
15	EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =	21.91%
16	Income Tax Calculation (Return x EIT)	16,955,146
17	ITC Adjustment (TCOS, In 106)	(264,343)
18	Excess DFIT Adjustment (TCOS, In 107)	(6,875,438)
19	Tax Effect of Permanent and Flow Through Differences (TCOS, In 108)	324,712
20	Income Taxes	10,140,076

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 115)	174,756,782
22	Return (TCOS, In 110)	77,391,368
23	Income Taxes (TCOS, In 109)	10,140,076
24	Gross Margin Taxes (TCOS, In 114)	151,704
25	Net Revenue Requirement, Less Return and Taxes	87,073,634

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

26	Net Revenue Requirement, Less Return and Taxes	87,073,634
27	Return (from I.B. above)	77,391,368
28	Income Taxes (from I.C. above)	10,140,076
29	Net Revenue Requirement, with 0 Basis Point ROE increase	174,605,078
30	Gross Margin Tax with Basis Point ROE Increase (II C. below)	151,704
31	Revenue Requirement w/ Gross Margin Taxes	174,756,782
32	Less: Depreciation (TCOS, In 84)	43,069,260
33	Net Rev. Req, w/0 Basis Point ROE increase, less Depreciation	131,687,523

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

34	Net Revenue Requirement before Gross Margin Taxes, with 0	174,605,078
35	Basis Point ROE increase (II B. above)	
36	Apportionment Factor to Texas (Worksheet K, In 12)	39.46%
37	Apportioned Texas Revenues	68,896,064
38	Taxable Percentage of Revenue	22.0%
39	Taxable, Apportioned Margin	15,157,134
40	Texas Gross Margin Tax Rate	1.0%
41	Texas Gross Margin Tax Expense	151,571
42	Gross-up Required for Gross Margin Tax Expense	133
43	Total Additional Gross Margin Tax Revenue Requirement	151,704

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

44	Net Transmission Plant (TCOS, In 37)	1,322,752,579
45	Net Revenue Requirement, with 0 Basis Point ROE increase	174,756,782
46	FCR with 0 Basis Point increase in ROE	13.21%
47	Net Rev. Req, w/ 0 Basis Point ROE increase, less Dep.	131,687,523
48	FCR with 0 Basis Point ROE increase, less Depreciation	9.96%
49	FCR less Depreciation (TCOS, In 10)	9.96%
50	Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

51	Transmission Plant @ Beginning of Period (Worksheet A In 9 col. ((D))	1,845,274,305
52	Transmission Plant @ End of Period (Worksheet A In 9 col. ((C))	2,008,632,154
		3,853,906,459
53	Transmission Plant Average Balance for 2019	1,926,953,229
54	Annual Depreciation Expense (TCOS, In 84)	45,165,576
55	Composite Depreciation Rate	2.34%
56	Depreciable Life for Composite Depreciation Rate	42.66
57	Round to nearest whole year	43

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	2019	77,320,358	77,320,358	\$ -

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

AEP West SPP Member Operating Companies
 Actual / Projected 2019 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 141)		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 139 through 141)		
5		%	Cost
6	Long Term Debt	53.32%	4.59%
7	Preferred Stock	0.00%	0.00%
8	Common Stock	46.68%	10.50%
9			R = 7.35%

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

10	Rate Base (TCOS, In 62)	1,053,463,228
11	R (from A. above)	0.0735
12	Return (Rate Base x R)	77,391,368

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

13	Return (from B. above)	77,391,368
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17	ITC Adjustment (TCOS, In 106)	(264,343)
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19	Tax Effect of Permanent and Flow Through Differences (TCOS, In 108)	324,712
20	Income Taxes	10,140,076

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 115)	174,756,782
22	Return (TCOS, In 110)	77,391,368
23	Income Taxes (TCOS, In 109)	10,140,076
24	Gross Margin Taxes (TCOS, In 114)	151,704
25	Net Revenue Requirement, Less Return and Taxes	87,073,634

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

26	Net Revenue Requirement, Less Return and Taxes	87,073,634
27	Return (from I.B. above)	77,391,368
28	Income Taxes (from I.C. above)	10,140,076
29	Net Revenue Requirement, with 0 Basis Point ROE increase	174,605,078
30	Gross Margin Tax with Basis Point ROE Increase (II C. below)	151,704
31	Revenue Requirement w/ Gross Margin Taxes	174,756,782
32	Less: Depreciation (TCOS, In 84)	43,069,260
33	Net Rev. Req. w/0 Basis Point ROE increase, less Depreciation	131,687,523

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

34	Net Revenue Requirement before Gross Margin Taxes, with 0	174,605,078
35	Basis Point ROE increase (II B. above)	
36	Apportionment Factor to Texas (Worksheet K, In 12)	39.46%
37	Apportioned Texas Revenues	68,896,064
38	Taxable Percentage of Revenue	22.0%
39	Taxable, Apportioned Margin	15,157,134
40	Texas Gross Margin Tax Rate	1.0%
41	Texas Gross Margin Tax Expense	151,571
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43	Total Additional Gross Margin Tax Revenue Requirement	151,704

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

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45	Net Revenue Requirement, with 0 Basis Point ROE increase	174,756,782
46	FCR with 0 Basis Point increase in ROE	13.21%
47	Net Rev. Req. w/ 0 Basis Point ROE increase, less Dep.	131,687,523
48	FCR with 0 Basis Point ROE increase, less Depreciation	9.96%
49	FCR less Depreciation (TCOS, In 10)	9.96%
50	Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

51	Transmission Plant @ Beginning of Period (Worksheet A In 9 col. (D))	1,845,274,305
52	Transmission Plant @ End of Period (Worksheet A In 9 col. (C))	2,008,632,154
		3,853,906,459
53	Transmission Plant Average Balance for 2019	1,926,953,229
54	Annual Depreciation Expense (TCOS, In 84)	45,165,576
55	Composite Depreciation Rate	2.34%
56	Depreciable Life for Composite Depreciation Rate	42.66
57	Round to nearest whole year	43

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SUMMARY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS FOR SPP BPU & NON-BPU PROJECTS				
	2017	Rev Require	With Incentives	Incentive Amounts
True-Up Rate Year	2017			
Σ True Up Year Projected WS-F		\$ 86,612,871	\$ 86,612,871	\$ -
Σ True-Up Year True-Up WS-G		\$ 86,327,442	\$ 86,327,442	\$ -
True-up Adjustment For 2017		(285,430)	(285,430)	-

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

AEP West SPP Member Operating Companies
 Actual / Projected 2019 Rate Year Cost of Service Formula Rate
 Worksheet H - Revenue Credits
SOUTHWESTERN ELECTRIC POWER COMPANY

<u>Line:</u>		Total Company	Non- Transmission	Transmission
1	Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1)	4,999,999	4,999,999	-
2	Account 451, Misc. Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)	2,275,000	2,275,000	-
	Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)			
	Account 4540001 - Rent from Elect Property-Aff	1,513,122	1,513,122	-
	Account 4540002 - Rent from Elect Property - Non-Aff	3,100,000	3,072,430	27,570
	Account 4540005 - Rent from Elect Property - Pole Attach	4,700,000	4,700,000	-
	Account 4540004 - Rent from Elect Property - ABD - Non-Aff	-	-	-
	Other 454 Accounts			
3	Total Rents from Electric Property	9,313,122		27,570
	Account 456.0 Other Operating Revenues (FF1 p.300.21.(b); Company Records - Note 1)			
	1 Account 4560015, Revenues from Associated Business Development	846,050		213,233
	2 All Other 456.0 Revenues	5,550,000		-
4	Total 456.0 Other Operating Revenues	6,396,050		213,233
	Account 456.1, Revenues from Transmission of Electricity of Others (FF1 p.300.22.(b); Company Records - Note 1)			103,589,966
	Less:			
	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			46,006,231
	Revenue Associated with Transmission Plant Excluded From SPP Tariff			-
	Distribution and Other Non-Transmission Revenue			-
	Revenue from SPP Ancillary Services Provided			1,033,001
	Base Plan Revenue (from SPP)			48,519,219
	Flow Through of ERCOT Ancillary Charges			-
	Other			-
5	Net 456.1 Transmission Credits			\$6,776,135
6	Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)			
7	Account 457.2, Miscellaneous Revenues (FF1p.300.24.(b); Company Records - Note 1)			
8	Total Revenue Credits - Sum lines 1 through 7			\$7,016,938

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 2019 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>2019</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 2019 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) 2019 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	928	Regulatory Commission Expense	428,928	428,928	0	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16		Total (FERC Form 1 p.323.189.b)	428,928	428,928	0	
		<u>Account 930.1</u>				
17	9301000	General Advertising Expenses	211,829	211,829		
18						
19						
20						
21						
22		Total (FERC Form 1 p.323.191.b)	211,829	211,829	0	
		<u>Account 930.2</u>				
23	9302000	Misc General Expenses	1,139,994	1,139,994		
24						
25						
26						
27						
28		Total (FERC Form 1 p.323.192.b)	1,139,994	1,139,994	-	

AEP West SPP Member Operating Companies
 Actual / Projected 2019 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 2019

State Income Tax Rate - Oklahoma	Note 1	5.66%	
Apportionment Factor		0.18%	
Effective State Income Tax Rate			0.0103%
State Income Tax Rate - Texas		0.75%	
Apportionment Factor		5.10%	
Effective State Income Tax Rate			0.0383%
State Income Tax Rate - Louisiana		8.00%	
Apportionment Factor		38.51%	
Effective State Income Tax Rate			3.0808%
State Income Tax Rate - Arkansas		6.50%	
Apportionment Factor		24.39%	
Effective State Income Tax Rate			1.5851%
State Income Tax Rate - Nebraska		5.58%	
Apportionment Factor		0.00%	
Effective State Income Tax Rate			0.0000%
Total Effective State Income Tax Rate			<u>4.7100%</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 114)	647,737,086	174,605,078
1	Apportionment Factor to Texas (In12)	39.46%	39.46%
2	Apportioned Texas Revenues	\$255,585,554	\$68,896,064
3	Taxable Percentage of Revenue	22%	22%
4	Taxable, Apportioned Margin	56,228,822	15,157,134
5	Texas Gross Margin Tax Rate	1%	1%
6	Texas Gross Margin Tax Expense	562,288	151,571
7	Gross-up Required for Texas Gross Margin Expense (In 6 * In 3 * In 1)/(1- In 5) * In 5)	493	133
8	Total Additional Gross Margin Tax Revenue Requirement	<u>562,781</u>	<u>151,704</u>
9	WHOLESALE LOAD ALLOCATOR (For Use in Gross Margin Tax Allocator)		
10	Texas Jurisdictional Load	1,209,000 kW	
11	Total Load	3,064,000 kW	
12	Allocation Percentage (In 10 / In 11)	<u>39.46%</u>	

AEP West SPP Member Operating Companies
Actual / Projected 2019 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	Revenue Taxes					
2	TX Gross Receipts/OH CAT Tax	5,841,000				5,841,000
3						
4	Real Estate and Personal Property Taxes					
5	Oklahoma Ad Valorum, excluding Trans Serving Generation	529,535	529,535			
6	Arkansas Ad Valorum	16,253,096	16,253,096			
7	Louisiana Ad Valorum	27,828,628	27,828,628			
8	Texas Ad Valorum	25,433,111	25,433,111			
9	Ad Valorum for Transmission Serving Generation					-
10	Payroll Taxes					
11	Federal Insurance Contribution (FICA)	7,563,172		7,563,172		
12	Federal Unemployment Tax	40,954		40,954		
13	State Unemployment Insurance	44,906		44,906		
14						
15	Production Taxes					
16						-
17						
18						
19	Miscellaneous Taxes					
20	Federal Excise Tax	-				-
21	OK State License				-	
22	AR State License				-	
23	NE State License				-	
24	DE State License				-	
25	State Franchise Tax	5,600,000			5,600,000	
26	AR Local Franchise	-			-	
27	TX Local Franchise	9,202,569				9,202,569
28	LA Local Franchise	7,934,431				7,934,431
29	State Sales & Use Tax	12,000				12,000
30	TX PUC				-	
31	LA Insp & Cntrl Fees				-	
32	State License Registration				-	
33	Public Utility Commission fees	1,962,000			1,962,000	
34	Other Taxes for Transmission Serving Generation					-
35	Total Taxes by Allocable Basis	108,245,402	70,044,370	7,649,032	7,562,000	22,990,000

(Total Company Amount Ties to FFI p.114, Ln 14,(c))

NOTE: As a check, the difference between the total from Ln 35 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 2019 Rate Year Cost of Service Formula Rate

Worksheet M

SOUTHWESTERN ELECTRIC POWER COMPANY

Calculation of Capital Structure and Weighted Average Cost of Capital Based on Average of Balances At 12/31/2018 and 12/31/2019

(A)	(B)	(C)	(D)	(E)
Line		Balances @ 12/31/2019	Balances @ 12/31/2018	Average
<u>Development of Average Balance of Common Equity</u>				
1	Total Proprietary Capital (p. 112.16.c&d)	2,411,193,636	2,313,077,121	2,362,135,378
2	Less Preferred Stock from Ln 43 below	-	-	-
3	Less Account 216.1 (p. 112.12.c&d)	31,744,488	31,744,488	31,744,488
4	Less Account 219.1 (p. 112.15.c&d)	(305,149)	(1,974,641)	(1,139,895)
5	Average Balance of Common Equity	2,379,754,297	2,283,307,274	2,331,530,785

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

6	Account 221 Bonds (112.18.c&d)	-	-	-
7	Less: Account 222 Reacquired Bonds (112.19.c&d)	-	-	-
8	Account 223 LT Advances from Assoc. Comp. (112.20.c&d)	-	-	-
9	Account 224 Senior Unsecured Notes (112.21.c&d)	2,710,125,000	2,616,875,000	2,663,500,000
10	Less: Non-Transmission Securitization (Co. Records)	-	-	-
11	Total Long-Term Debt	2,710,125,000	2,616,875,000	2,663,500,000

Annual Interest Expense

12	Annual Interest Expense			
13	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			120,162,079
14	Less: Financial Hedge Gain/Expense from Ln 28 Included in Ln 13			2,212,653
15	Plus: Allowed Hedge Recovery from Ln 32 below			2,212,653
16	Amort of Debt Discount & Expense - Acct 428 (117.63.c)			1,774,382
17	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)			206,544
18	Less: Amort of Premium on Debt - Acct 429 (117.65.c)			-
19	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)			-
20	Less: Non-Trans. Securitization (Company Records)			-
21	Total Interest Expense (Ln 13 + Ln 14 + Ln 15 + Ln 16 + Ln 17 - Ln 18 - Ln 19 - Ln 20)			122,143,004

Average Cost of Debt (Ln 21/Ln 11)

4.59%

23 Financial Hedge Amortization Reported in Column (i) on Page 256-257 (Enter Gains as a Negative Number)

24	SUN Series I 3.55% Financial Hedge (p 257.1/Ln 29)			2,212,653
25	SUN Series 5.55% Financial Hedge (p 257/Ln 25)			-
26				
27				

28 Total Hedge Amortization 2,212,653

29 Total Average Capital Balance (TCOS, Ln 142) 4,995,030,785

30 Financial Hedge Recovery Limit - Five Basis Points of Total Capital 0.0005

31 Limit of Recoverable Amount 2,497,515

32 **Recoverable Hedge Amortization (Lesser of Ln 28 or 31)** **2,212,653**

(lesser of 5 basis point Cap or Actual (Gain)/Expense based on magnitude as indicated on Ln 28 or Ln 31)

Development of Cost of Preferred Stock

	Preferred Stock	Average
33	___% Series - - Dividend Rate (p. 250-251. ___a)	
34	___% Series - - Par Value (p. 250-251. ___c)	
35	___% Series - - Shares O/S (p.250-251. ___e)	
36	___% Series - - Monetary Value (Ln 34 * Ln 35)	-
37	___% Series - - Dividend Amount (Ln 33 * Ln 36)	-
38	___% Series - - Dividend Rate (p. 250-251. ___a)	
39	___% Series - - Par Value (p. 250-251. ___c)	
40	___% Series - - Shares O/S (p.250-251. ___e)	
41	___% Series - - Monetary Value (Ln 39 * Ln 40)	-
42	___% Series - - Dividend Amount (Ln 38 * Ln 41)	-
43	Balance of Preferred Stock (Lns 36, 41)	-
44	Dividends on Preferred Stock (Lns 37, 42)	-
45	Average Cost of Preferred Stock (Ln 44/43)	0.00%