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**SOAH DOCKET NO. 473-22-04394
PUC DOCKET NO. 53719**

APPLICATION OF ENTERGY TEXAS, INC. FOR AUTHORITY TO CHANGE RATES	§ § §	STATE OFFICE OF ADMINISTRATIVE HEARINGS
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**RESPONSE OF ENTERGY TEXAS, INC.
TO OPUC’S FIRST REQUEST FOR INFORMATION:
OPUC 1: 1 THROUGH 18**

Entergy Texas, Inc. (“ETI” or the “Company”) files its Response to OPUC’s First Request for Information. The response to such request is attached and is numbered as in the request. An additional copy is available for inspection at the Company’s office in Austin, Texas.

ETI believes the foregoing response is correct and complete as of the time of the response, but the Company will supplement, correct or complete the response if it becomes aware that the response is no longer true and complete, and the circumstance is such that failure to amend the answer is in substance misleading. The parties may treat this response as if it were filed under oath.

Respectfully submitted,

Kristen Yates
Kristen Yates
ENERGY SERVICES, LLC
919 Congress Avenue, Suite 701
Austin, Texas 78701
Office: (512) 487-3962
Facsimile: (512) 487-3958

Attachments: **OPUC 1:1 THROUGH 18**

CERTIFICATE OF SERVICE

I certify that a copy of the foregoing Response of Entergy Texas, Inc. to OPUC’s First Request for Information has been sent by either hand delivery, electronic delivery, facsimile, overnight delivery, or U.S. Mail to the party that initiated this request in this docket on this the 8th day of August 2022.

Kristen Yates
Kristen Yates

PREPARED AT THE REQUEST OF AN ATTORNEY FOR ENTERGY
PRIVILEGED AND CONFIDENTIAL DOCUMENT
ATTORNEY WORK PRODUCT

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Gregory S. Wilson
Sponsoring Witness: Gregory S. Wilson
Beginning Sequence No.
Ending Sequence No.

Question No.: OPUC 1-1

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Mr. Gregory S. Wilson, page 7. Please provide a copy of the Monte Carlo simulation study that was used by Mr. Wilson to determine his recommendations with respect to the annual storm expense and the storm reserve. Be sure to provide the study in its native Microsoft Excel format with all formulas included.

Response:

See the attachment (TP-53719-00OPC001-X001).

Frequency Mean	15.36
Average of LN for Claims > 50K	11.86802
Standard Deviation for Claims > 50K	1.497204

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Gregory S. Wilson
Sponsoring Witness: Gregory S. Wilson
Beginning Sequence No. LC2
Ending Sequence No. LC2

Question No.: OPUC 1-2

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Mr. Gregory S. Wilson, page 4. Please provide the years and actual storm losses used to determine the average annual expected storm losses of \$4.972 million in Docket No. 41791.

Response:

As provided in workpapers GSW WP 1, GSW WP 2, and GSW WP 3 to the Direct Testimony of Gregory S. Wilson filed in Docket No. 41791, the estimated average annual expected loss in that docket was based on losses from 1986 to June 20, 2013. For ease of reference, the Company provides these workpapers as attachments (TP-53719-00OPC011-X002-001, TP-53719-00OPC011-X002-002, and TP-53719-00OPC011-X002-003) to this response to show the actual losses used to determine the average annual expected storm losses in Docket No. 41791.

Date of Storm/Index	Trans. & Dist. Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total	Losses > \$50,000	Natural Log
01/01/86		241							
01/14/86	1,807		241.072	2.518	4,550				8.42288823
02/08/86	41,849		241.210	2.516	105,292				11.5644935
05/17/86	119,523		241.751	2.511	300,122			119,523	12.6119452
05/28/86	31,490		241.812	2.510	79,040				11.2777081
06/27/86	4,972,216		241.978	2.508	12,470,318			4,972,216	16.3388618
07/01/86	3,690		242.000	2.508	9,255				9.13286736
07/01/86		242				12,968,577			
07/05/86	60,184		241.935	2.509	151,002			60,184	11.9250461
07/12/86	18,742		241.821	2.510	47,042				10.758805
08/05/86	8,737		241.429	2.514	21,965				9.99719727
09/04/86	376		240.940	2.519	947				6.85345114
10/02/86	3,629		240.484	2.524	9,160				9.12255735
01/01/87		239				230,116	13,198,693		
07/01/87		240				0			
09/19/87	16,919		241.304	2.515	42,551				10.6584653
11/19/87	681,886		242.299	2.505	1,708,124			681,886	14.3509065
11/28/87	334,545		242.446	2.504	837,701			334,545	13.6384161
12/12/87	4,865		242.674	2.501	12,167				9.40651265
01/01/88		243				2,600,543	2,600,543		
01/09/88	20,728		243.440	2.493	51,675				10.8527275
02/06/88	7,013		244.978	2.478	17,378				9.76297263
05/28/88	45,837		251.132	2.417	110,788				11.615374
06/11/88	8,171		251.901	2.410	19,692				9.88797333
07/01/88		253				199,533			
08/30/88	7,720		255.935	2.372	18,312				9.81530312
09/17/88	12,588		256.815	2.364	29,758				10.3008544
01/01/89		262				48,070	247,603		
02/18/89	57,829		262.265	2.314	133,816			57,829	11.8042233
05/13/89	224,990		262.729	2.310	519,727			224,990	13.1610588
05/27/89	276,335		262.807	2.310	638,334			276,335	13.3666167
06/10/89	32,954		262.884	2.309	76,091				11.2396825
06/24/89	15,795		262.961	2.308	36,455				10.5038301
06/30/89	279,822		262.994	2.308	645,829			279,822	13.3782903
07/01/89		263				2,050,252			
07/31/89	667,366		263.815	2.301	1,535,609			667,366	14.2444377
08/05/89	269,714		263.951	2.300	620,342			269,714	13.3380265
10/18/89	509,030		265.962	2.282	1,161,606			509,030	13.9653145
01/01/90		268				3,317,557	5,367,809		
04/14/90	127,473		270.276	2.246	286,304			127,473	12.5648107
07/01/90		272				286,304			
07/07/90	20,923		272.000	2.232	46,700				10.7515024
08/31/90	50,766		272.000	2.232	113,310			50,766	11.6378802
09/15/90	64,980		272.000	2.232	145,035			64,980	11.8847329
12/22/90	2,528		272.000	2.232	5,642				8.6380818
01/01/91		272				310,687	596,991		
03/31/91	6,195		274.459	2.212	13,703				9.52539488
07/01/91		277				13,703			
01/01/92		272				0	13,703		
03/28/92	11,320		272.956	2.224	25,176				10.1336337
04/28/92	70,046		273.297	2.221	155,572			70,046	11.954865
06/06/92	118,047		273.725	2.218	261,828			118,047	12.475444
06/30/92	371,575		273.989	2.215	823,039			371,575	13.6207584
07/01/92		274				1,265,615			
07/04/92	38,026		274.082	2.215	84,228				11.3412778
08/29/92	59,118		275.603	2.202	130,178			59,118	11.7766568
11/21/92	425,905		277.886	2.184	930,177			425,905	13.7431297
01/01/93		279				1,144,583	2,410,198		
03/13/93	28,971		278.215	2.182	63,215				11.0542925
07/01/93		277				63,215			
08/28/93	2,908		278.891	2.176	6,328				8.75270917
01/01/94		283				6,328	69,543		
02/09/94	2,341,376		284.293	2.135	4,998,838			2,341,376	15.424716
05/16/94	33,187		287.475	2.111	70,058				11.1570753
06/01/94	4,355		288.006	2.108	9,180				9.12481952
07/01/94		289				5,078,076			
07/25/94	629,988		289.783	2.095	1,319,825			629,988	14.0930096
01/01/95		295				1,319,825	6,397,901		
01/13/95	271,449		295.000	2.058	558,642			271,449	13.2332642
03/07/95	700,561		295.000	2.058	1,441,755			700,561	14.1813714
04/11/95	39,214		295.000	2.058	80,702				11.2985237
05/08/95	106,748		295.000	2.058	219,687			106,748	12.2999608
07/01/95		295				2,300,786			
07/30/95	107,172		295.630	2.053	220,024			107,172	12.3014924
08/22/95	205,092		296.130	2.050	420,439			205,092	12.9490537
12/18/95	144,061		298.696	2.032	292,732			144,061	12.5870126
01/01/96		299				933,195	3,233,981		
02/02/96	182,645		299.000	2.030	370,769			182,645	12.8233355
05/28/96	776,077		299.000	2.030	1,575,436			776,077	14.2700428
07/01/96		299				1,946,205			
08/13/96	167,950		297.832	2.038	342,282			167,950	12.7433905
09/27/96	306,833		296.609	2.046	627,780			306,833	13.3499456
11/06/96	644,750		295.522	2.054	1,324,317			644,750	14.096407
01/01/97		294				2,294,379	4,240,584		
01/13/97	13,016,145		294.133	2.064	26,865,323			13,016,145	17.1063469
02/20/97	6,768		294.552	2.061	13,949				9.5431522
04/28/97	164,796		295.293	2.056	338,821			164,796	12.733226
05/22/97	47,045		295.558	2.054	96,630				11.478649
06/24/97	28,970		295.923	2.051	59,417				10.9923436
07/01/97		296				27,374,140			
07/15/97	130,185		296.380	2.048	266,619			130,185	12.4935755
08/22/97	280,188		297.413	2.041	571,864			280,188	13.256656
09/10/97	164,286		297.929	2.037	334,651			164,286	12.7208422

Date of Storm/Index	Trans. & Dist. Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total	Losses > \$50,000	Natural Log
10/24/97	49,936		299.125	2.029	101,320				11.5260405
11/28/97	57,692		300.076	2.023	116,711			57,692	11.6674554
12/03/97	94,130		300.212	2.022	190,331			94,130	12.1565192
12/07/97	117,877		300.321	2.021	238,229			117,877	12.3809894
01/01/98		301				1,819,725	29,193,865		
01/06/98	109,184		301.055	2.016	220,115			109,184	12.3019052
01/21/98	114,571		301.221	2.015	230,861			114,571	12.3495692
02/10/98	2,915,031		301.442	2.014	5,870,872			2,915,031	15.5855138
02/26/98	188,711		301.619	2.012	379,687			188,711	12.8471013
03/16/98	107,831		301.818	2.011	216,848			107,831	12.2869526
03/31/98	31,230		301.983	2.010	62,772				11.0472692
06/08/98	144,192		302.746	2.005	289,105			144,192	12.5745451
06/16/98	6,661		302.834	2.004	13,349				9.49917009
07/01/98		303				7,283,609			
07/14/98	167,615		303.141	2.002	335,565			167,615	12.7235716
07/20/98	193,727		303.207	2.002	387,841			193,727	12.8683519
08/03/98	48,252		303.359	2.001	96,552				11.4778396
08/06/98	36,077		303.391	2.001	72,190				11.1870579
08/13/98	241,021		303.467	2.000	482,042			241,021	13.0857865
08/19/98	60,087		303.533	2.000	120,174			60,087	11.696696
09/01/98	48,405		303.674	1.999	96,762				11.4800054
09/10/98	1,502,123		303.772	1.998	3,001,242			1,502,123	14.9145368
09/22/98	2,450		303.902	1.997	4,893				8.49548936
09/25/98	18,576		303.935	1.997	37,096				10.5212718
10/06/98	28,649		304.054	1.996	57,183				10.954019
10/17/98	133,704		304.174	1.996	266,873			133,704	12.4945267
11/15/98	80,829		304.489	1.994	161,173			80,829	11.9902338
12/21/98	182,375		304.880	1.991	363,109			182,375	12.8024573
12/31/98	2,262		304.989	1.990	4,501				8.41196245
01/01/99		305				5,487,196	12,770,805		
01/01/99	339,056		305.000	1.990	674,721			339,056	13.4220552
01/04/99	54,687		304.934	1.991	108,882			54,687	11.5980183
01/22/99	28,302		304.536	1.993	56,406				10.9403288
03/02/99	12,037		303.674	1.999	24,062				10.0883876
03/13/99	60,584		303.431	2.000	121,168			60,584	11.7049333
04/14/99	17,586		302.724	2.005	35,260				10.4705025
04/21/99	9,708		302.569	2.006	19,474				9.87684826
04/27/99	47,718		302.436	2.007	95,770				11.469705
05/10/99	807,401		302.149	2.009	1,622,069			807,401	14.2992131
05/17/99	35,145		301.994	2.010	70,641				11.1653667
07/01/99		301				2,828,453			
08/03/99	8,172		301.538	2.013	16,450				9.7080535
08/14/99	9,918		301.717	2.012	19,954				9.90120658
08/20/99	94,321		301.815	2.011	189,679			94,321	12.1530874
08/21/99	12,755		301.832	2.011	25,650				10.152299
08/27/99	95,199		301.929	2.010	191,350			95,199	12.1618616
10/17/99	65,483		302.761	2.005	131,293			65,483	11.7851899
01/01/00		304				574,376	3,402,829		
01/03/00	6,005		304.066	1.996	11,987				9.39156285
01/26/00	27,149		304.824	1.991	54,053				10.8977237
03/26/00	36,871		306.802	1.978	72,931				11.1972655
04/02/00	165,019		307.033	1.977	326,243			165,019	12.6953989
04/03/00	91,202		307.066	1.977	180,306			91,202	12.1024079
04/12/00	84,977		307.363	1.975	167,829			84,977	12.0307004
05/01/00	679,867		307.989	1.971	1,340,018			679,867	14.1081937
05/19/00	136,189		308.582	1.967	267,885			136,189	12.4983117
05/22/00	251,471		308.681	1.966	494,393			251,471	13.1110854
07/01/00		310				2,915,645			
07/24/00	26,104		310.750	1.953	50,982				10.8392277
08/11/00	229,914		311.337	1.950	448,333			229,914	13.0132917
08/14/00	83,291		311.435	1.949	162,334			83,291	11.9974106
08/23/00	694,172		311.728	1.947	1,351,553			694,172	14.1167646
09/01/00	6,118		312.022	1.945	11,899				9.38418385
09/05/00	620,602		312.152	1.945	1,207,071			620,602	14.0037072
09/22/00	139,863		312.707	1.941	271,474			139,863	12.5116222
11/06/00	25,417		314.174	1.932	49,105				10.8017167
11/25/00	728,519		314.793	1.928	1,404,585			728,519	14.1552522
12/12/00	15,494		315.348	1.925	29,826				10.3031341
01/01/01		316				4,987,162	7,902,807		
03/15/01	184,870		317.613	1.911	353,287			184,870	12.7750373
06/05/01	691,120		319.425	1.900	1,313,128			691,120	14.0879224
07/01/01		320				1,666,415			
08/08/01	340,048		321.239	1.890	642,692			340,048	13.3734202
09/01/01	1,007,649		322.022	1.885	1,899,419			1,007,649	14.4570584
10/10/01	831,785		323.293	1.878	1,562,093			831,785	14.261537
10/12/01	5,146		323.359	1.877	9,659				9.1756925
10/13/01	21,060		323.391	1.877	39,529				10.5847865
10/15/01	155,344		323.457	1.877	291,580			155,344	12.5830712
11/30/01	387,722		324.957	1.868	724,264			387,722	13.4929118
01/01/02		326				5,169,236	6,835,651		
04/01/02	335,975		326.000	1.862	625,585			335,975	13.3464423
04/08/02	21,589		326.000	1.862	40,199				10.601595
07/01/02		326				665,784			
07/15/02	112,573		326.228	1.861	209,499			112,573	12.252474
08/05/02	535,618		326.571	1.859	995,713			535,618	13.8112146
08/27/02	245,951		326.929	1.857	456,731			245,951	13.0318502
08/28/02	97,794		326.946	1.857	181,603			97,794	12.1095757
09/08/02	34,980		327.125	1.856	64,923				11.0809502
09/24/02	385		327.386	1.854	714				6.57084851
09/30/02	107,516		327.484	1.854	199,334			107,516	12.2027384
10/05/02	148,220		327.565	1.853	274,651			148,220	12.5232561
10/30/02	868,310		327.973	1.851	1,607,241			868,310	14.2900298
12/23/02	14,059		328.853	1.846	25,953				10.1640612

Date of Storm/Index	Trans. & Dist. Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total	Losses > \$50,000	Natural Log
12/30/02	128,378		328.967	1.845	236,857			128,378	12.3752116
01/01/03		329				4,253,219	4,919,003		
02/26/03	150,403		329.619	1.842	277,042			150,403	12.5319256
03/19/03	98,623		329.851	1.840	181,466			98,623	12.108824
05/05/03	65,937		330.370	1.837	121,127			65,937	11.7045909
05/13/03	440,710		330.459	1.837	809,584			440,710	13.6042761
05/14/03	16,841		330.470	1.837	30,937				10.3397001
06/13/03	205,071		330.801	1.835	376,304			205,071	12.8381537
06/30/03	437,696		330.989	1.834	802,734				13.5957784
07/01/03		331				2,599,194			
07/15/03	21,084		331.304	1.832	38,626				10.5616908
08/25/03	145,846		332.196	1.827	266,461			145,846	12.4929844
09/02/03	511,872		332.370	1.826	934,677			511,872	13.7479567
11/17/03	24,366		334.022	1.817	44,273				10.6981308
01/01/04		335				1,284,037	3,883,231		
03/09/04	92,404		342.473	1.772	163,740			92,404	12.0060321
04/10/04	69,468		345.989	1.754	121,846			69,468	11.7105156
04/13/04	126		346.319	1.753	220				5.39514716
05/01/04	82,595		348.297	1.743	143,964			82,595	11.8773168
05/11/04	312,452		349.396	1.737	542,729			312,452	13.2043658
06/04/04	45,247		352.033	1.724	78,006				11.2645448
06/28/04	245,943		354.670	1.711	420,809			245,943	12.9499339
06/29/04	87,864		354.780	1.711	150,335			87,864	11.9206221
07/01/04		355				1,621,649			
08/11/04	10,276		357.897	1.696	17,428				9.76582819
01/01/05		368				17,428	1,639,077		
01/12/05	30,185		368.547	1.647	49,715				10.8140605
05/25/05	203,468		375.160	1.618	329,212			203,468	12.7044572
05/31/05	50,215		375.459	1.617	81,198			50,215	11.304645
06/15/05	175,747		376.204	1.613	283,480			175,747	12.5548979
06/16/05	76,360		376.254	1.613	123,169			76,360	11.7213114
07/01/05		377				866,774			
08/01/05	74,531		381.043	1.593	118,727			74,531	11.684584
09/24/05	2,012,711		388.087	1.564	3,147,880			2,012,711	14.9622399
10/19/05	5,027		391.348	1.551	7,797				8.96146064
01/01/06		401				3,274,404	4,141,178		
03/15/06	14,475		409.470	1.482	21,453				9.97360468
04/29/06	191,439		414.691	1.464	280,267			191,439	12.5434978
05/30/06	35,711		418.287	1.451	51,817				10.8554807
07/01/06		422				353,537			
07/17/06	58,058		424.522	1.430	83,023			58,058	11.3268738
07/24/06	123,551		425.625	1.426	176,183			123,551	12.0792795
07/26/06	74,526		425.940	1.425	106,200			74,526	11.5730749
08/01/06	101,261		426.886	1.422	143,994			101,261	11.877525
08/15/06	39,712		429.092	1.415	56,193				10.9365503
09/15/06	366,998		433.978	1.399	513,431			366,998	13.1488704
10/15/06	273		438.707	1.384	378				5.93444965
11/10/06	180,489		442.804	1.371	247,451			180,489	12.4189668
12/31/06	45,196		450.842	1.346	60,834				11.0159011
01/01/07		451				1,387,687	1,741,224		
01/15/07	380,061		451.619	1.344	510,802			380,061	13.1437373
02/14/07	34,941		452.945	1.340	46,821				10.7540858
04/15/07	132,402		455.597	1.332	176,359			132,402	12.0802796
05/01/07	155,001		456.304	1.330	206,151			155,001	12.2363658
05/16/07	11,941		456.967	1.328	15,858				9.67140719
06/11/07	20,896		458.116	1.325	27,687				10.2287255
07/01/07		459				983,678			
08/18/07	630		475.174	1.277	805				6.6902334
08/19/07	51,429		475.511	1.277	65,675			51,429	11.092473
08/28/07	150,873		478.543	1.268	191,307			150,873	12.1616346
09/12/07	24,540,246		483.598	1.255	30,798,009			24,540,246	17.2429606
09/20/07	44,272		486.293	1.248	55,251				10.91965
10/16/07	54,927		495.054	1.226	67,341			54,927	11.1175171
01/01/08		521				31,178,388	32,162,066		
05/11/08	113,425		515.962	1.176	133,388			113,425	11.8010138
05/15/08	125,581		515.808	1.177	147,809			125,581	11.9036774
05/27/08	84,410		515.346	1.178	99,435			84,410	11.5072632
06/17/08	46,497		514.538	1.180	54,866				10.9126502
06/24/08	18,060		514.269	1.180	21,310				9.9669449
06/25/08	120,764		514.231	1.180	142,501			120,764	11.8671068
06/26/08	296,265		514.192	1.180	349,593			296,265	12.7645249
06/29/08	344		514.077	1.181	407				6.00775872
07/01/08		514				949,309			
08/03/08	280,160		517.766	1.172	328,348			280,160	12.701828
08/04/08	8,926,681		517.880	1.172	10,462,070			8,926,681	16.1632669
01/01/09		535				10,790,418	11,739,727		
03/25/09	359,299		529.039	1.147	412,116			359,299	12.9290613
04/17/09	113,019		527.387	1.151	130,085			113,019	11.7759398
04/27/09	101,499		526.669	1.153	117,028			101,499	11.6701721
06/29/09	11,423		522.144	1.163	13,285				9.49438789
07/01/09		522				672,514			
07/18/09	146,134		524.033	1.158	169,223			146,134	12.0389722
07/27/09	12,323		525.109	1.156	14,246				9.564225
09/21/09	33,991		531.804	1.141	38,784				10.5657705
10/12/09	46,644		534.315	1.136	52,988				10.8778138
10/29/09	143,559		536.348	1.132	162,508			143,559	11.9984853
12/24/09	96,980		543.043	1.118	108,424			96,980	11.593804
01/01/10		544				546,173	1,218,687		
05/14/10	65,088		550.613	1.102	71,727			65,088	11.1806279
05/18/10	39,702		550.812	1.102	43,752				10.6862919
05/30/10	41,302		551.409	1.101	45,473				10.7248831
06/08/10	68,392		551.856	1.100	75,231			68,392	11.2283216
07/01/10		553				236,183			

Date of Storm/Index	Trans. & Dist. Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total	Losses > \$50,000	Natural Log
07/24/10	75,187		554,250	1.095	82,329			75,187	11.3184813
08/16/10	50,981		555,500	1.093	55,722			50,981	10.9281353
08/17/10	1,706		555,554	1.093	1,865				7.53097947
08/23/10	17,666		555,880	1.092	19,291				9.86738427
08/31/10	55,060		556,315	1.091	60,071			55,060	11.0032809
09/12/10	16,450		556,967	1.090	17,930				9.79425481
01/01/11		563				237,208	473,391		
01/09/11	153,731		563,663	1.077	165,568			153,731	12.0171361
02/01/11	703,227		565,569	1.073	754,563			703,227	13.5338941
02/04/11	547,441		565,818	1.073	587,404			547,441	13.2834685
04/26/11	222,618		572,530	1.060	235,975			222,618	12.3714818
05/21/11	55,717		574,602	1.056	58,837			55,717	10.9825298
06/06/11	84,173		575,928	1.054	88,718			84,173	11.3932232
06/19/11	76,969		577,006	1.052	80,972			76,969	11.3018526
07/01/11		578				1,972,037			
07/02/11	20,071		578,022	1.050	21,075				9.95582641
07/05/11	22,298		578,087	1.050	23,413				10.0610276
07/06/11	57,937		578,109	1.050	60,834			57,937	11.0159001
07/14/11	30,002		578,283	1.050	31,502				10.3578198
07/25/11	71,395		578,522	1.049	74,893			71,395	11.2238197
07/26/11	37,418		578,543	1.049	39,251				10.5777325
08/14/11	42,743		578,957	1.048	44,794				10.709834
08/18/11	26,857		579,043	1.048	28,146				10.2451631
08/24/11	579,943		579,174	1.048	607,780			579,943	13.3175685
09/03/11	619,543		579,391	1.048	649,281			619,543	13.3836206
09/29/11	224,385		579,957	1.047	234,932			224,385	12.3670497
10/12/11	55,781		580,239	1.046	58,347			55,781	10.974155
12/22/11	42,902		581,783	1.043	44,747				10.7087798
01/01/12		582				1,918,995	3,891,032		
01/09/12	35,609		582,440	1.042	37,104				10.5214909
01/25/12	315,749		583,319	1.041	328,695			315,749	12.7028856
02/04/12	39,006		583,868	1.040	40,566				10.6106787
02/18/12	194,165		584,637	1.038	201,544			194,165	12.2137612
02/24/12	59,611		584,967	1.038	61,876			59,611	11.0328836
03/19/12	236,049		586,286	1.035	244,310			236,049	12.4061943
04/02/12	57,133		587,055	1.034	59,075			57,133	10.9865707
04/20/12	155,997		588,044	1.032	160,989			155,997	11.989089
05/10/12	162,329		589,143	1.030	167,199			162,329	12.0269371
05/31/12	115,757		590,297	1.028	118,998			115,757	11.6868637
06/06/12	207,956		590,626	1.028	213,779			207,956	12.2726992
06/12/12	690,695		590,956	1.027	709,343			690,695	13.472095
07/01/12		592				2,343,478			
07/13/12	64,802		592,978	1.024	66,357			64,802	11.1028055
07/17/12	44,564		593,304	1.023	45,589				10.7274225
07/21/12	105,974		593,630	1.023	108,412			105,974	11.5936908
07/28/12	42,677		594,201	1.022	43,616				10.6831877
08/05/12	15,556		594,853	1.020	15,867				9.67202168
08/06/12	25,567		594,935	1.020	26,078				10.1688662
08/10/12	45,307		595,261	1.020	46,214				10.7410296
08/18/12	74,586		595,913	1.019	76,003			74,586	11.2385336
08/28/12	41,350		596,728	1.017	42,053				10.6466776
09/30/12	45,863		599,418	1.013	46,459				10.7463304
11/03/12	33,851		602,190	1.008	34,122				10.4377014
11/26/12	71,452		604,065	1.005	71,810			71,452	11.1817728
12/04/12	32,820		604,717	1.004	32,951				10.402782
12/09/12	33,443		605,125	1.003	33,543				10.4205798
12/16/12	27,821		605,696	1.002	27,877				10.2355527
12/20/12	396,054		606,022	1.002	396,846			396,054	12.8913048
12/25/12	827,214		606,429	1.001	828,041			827,214	13.626818
01/01/13		607				1,941,838	4,285,316		
01/09/13	89,687		607,000	1.000	89,687			89,687	11.4040817
02/25/13	76,850		607,000	1.000	76,850			76,850	11.2496084
03/10/13	13,557		607,000	1.000	13,557				9.51465387
07/01/13		607				180,094	180,094		
Total							168,757,532		
Average							6,136,638 27.5		
Total Number of Claims						287	Avg Natural Log of Losses		11.647215
Number of Years						28	Std Dev of above		1.712706
Average per year						10.436			

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L i n e	CONSTRUCTION AND EQUIPMENT	F E R C	COST INDEX NUMBERS												
			1 9 1 2	1 9 1 3	1 9 1 4	1 9 1 5	1 9 1 6	1 9 1 7	1 9 1 8	1 9 1 9	1 9 2 0	1 9 2 1	1 9 2 2	1 9 2 3	1 9 2 4
1	Total Plant-All Steam Generation		11	10	10	11	13	16	18	19	21	20	18	19	19
2	Total Plant-All Steam & Nuclear Gen.		-	-	-	-	-	-	-	-	-	-	-	-	-
3	Total Plant-All Steam & Hydro Gen.		11	11	11	11	14	17	19	21	23	22	20	20	20
4															
5	Steam Production Plant														
6	Total Steam Production Plant		9	9	9	10	12	16	18	19	21	20	18	18	19
7	Structures & Improvements-Indoor	311	-	-	-	10	13	17	18	20	23	20	19	20	19
8	Structures & Improvements-Semi-Outdoor	311	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Boiler Plant Equipment-Coal Fired	312	8	8	8	9	10	16	19	17	18	16	14	16	17
10	Boiler Plant Equipment-Gas Fired	312	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Boiler Plant Piping Installed		11	11	11	9	11	19	21	21	20	19	18	19	19
12	Turbogenerator Units	314	9	9	9	9	13	14	17	19	22	23	20	19	19
13	Accessory Electrical Equipment	315	14	14	14	15	16	17	21	24	27	28	25	26	26
14	Misc. Power Plant Equipment	316	-	-	-	-	-	-	-	-	-	-	-	-	-
15															
16	Nuclear Production Plant														
17	Total Nuclear Production Plant		-	-	-	-	-	-	-	-	-	-	-	-	-
18	Structures & Improvements	321	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Reactor Plant Equipment	322	-	-	-	-	-	-	-	-	-	-	-	-	-
20															
21	Hydro Production Plant														
22	Total Hydraulic Production Plant		-	-	-	9	11	14	16	18	19	18	17	17	17
23	Structures & Improvements	331	-	-	-	10	13	17	18	20	23	20	19	20	19
24	Reservoirs, Dams & Waterways	332	-	-	-	9	12	15	17	20	21	20	19	18	18
25	Water Wheels, Turbines & Generators	333	-	-	-	7	9	11	12	13	14	13	12	12	12
26															
27	Other Production Plant														
28	Total Other Production Plant		-	-	-	-	-	-	-	-	-	-	-	-	-
29	Fuel Holders, Producers & Accessories	342	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Gas Turbogenerators	344	-	-	-	-	-	-	-	-	-	-	-	-	-
31															
32	Transmission Plant														
33	Total Transmission Plant		11	11	11	11	14	16	18	21	23	21	19	19	20
34	Station Equipment	353	16	16	16	16	17	20	25	28	32	32	28	29	30
35	Towers & Fixtures	354	9	9	10	10	14	17	17	19	19	18	16	16	17
36	Poles & Fixtures	355	7	7	7	8	9	10	12	13	15	15	13	12	13
37	Overhead Conductors & Devices	356	16	15	14	15	22	25	28	29	31	23	21	22	22
38	Underground Conduit	357	7	7	7	8	9	11	14	14	16	17	15	14	14
39	Underground Conductors & Devices	358	13	12	11	12	16	18	20	22	23	19	19	22	20
40															
41	Distribution Plant														
42	Total Distribution Plant		13	13	13	13	15	17	20	23	25	24	22	21	22
43	Station Equipment	362	16	16	16	17	17	20	25	26	30	30	28	29	29
44	Poles, Towers & Fixtures	364	7	7	7	7	8	9	10	13	15	16	14	13	14
45	Overhead Conductors & Devices	365	12	12	11	12	17	20	22	23	24	18	17	18	17
46	Underground Conduit	366	9	9	9	10	11	13	17	17	19	21	18	17	16
47	Underground Conductors & Devices	367	13	12	11	12	17	19	21	23	24	20	20	23	21
48	Line Transformers	368	42	42	42	42	46	62	64	68	70	62	61	62	61
49	Pad Mounted Transformers	368	-	-	-	-	-	-	-	-	-	-	-	-	-
50	Services-Overhead	369	11	11	10	11	16	17	20	20	21	16	15	16	16
51	Services-Underground	369	9	9	9	11	13	14	17	18	19	17	14	15	15
52	Meters Installed	370	31	31	31	31	35	40	44	46	49	46	44	43	42
53	Street Lighting-Overhead	373	-	-	-	-	-	-	-	-	-	-	-	21	21
54	Mast Arms & Luminaires Installed	373	-	-	-	-	-	-	-	-	-	-	-	-	-
55	Street Lighting-Underground	373	-	-	-	-	-	-	-	-	-	-	-	22	22
56															

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L i n e	CONSTRUCTION AND EQUIPMENT	F E R C	COST INDEX NUMBERS												
			1 9 2 6	1 9 2 7	1 9 2 8	1 9 2 9	1 9 3 0	1 9 3 1	1 9 3 2	1 9 3 3	1 9 3 4	1 9 3 5	1 9 3 6	1 9 3 7	1 9 3 8
1	Total Plant-All Steam Generation		18	18	19	20	19	18	17	18	20	20	20	22	22
2	Total Plant-All Steam & Nuclear Gen.		-	-	-	-	-	-	-	-	-	-	-	-	-
3	Total Plant-All Steam & Hydro Gen.		20	19	19	20	20	19	18	18	20	20	20	22	22
4															
5	Steam Production Plant														
6	Total Steam Production Plant		19	18	18	19	19	18	17	18	20	20	20	22	23
7	Structures & Improvements-Indoor	311	19	19	18	18	18	16	15	15	16	16	17	18	17
8	Structures & Improvements-Semi-Outdoor	311	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Boiler Plant Equipment-Coal Fired	312	16	17	16	16	16	14	14	14	16	17	17	19	20
10	Boiler Plant Equipment-Gas Fired	312	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Boiler Plant Piping Installed		20	20	20	21	21	20	19	17	17	17	17	20	20
12	Turbogenerator Units	314	19	19	19	22	23	22	21	22	25	26	26	29	30
13	Accessory Electrical Equipment	315	26	26	27	29	29	28	26	28	29	29	29	31	32
14	Misc. Power Plant Equipment	316	-	-	-	-	-	-	-	-	-	-	-	-	-
15															
16	Nuclear Production Plant														
17	Total Nuclear Production Plant		-	-	-	-	-	-	-	-	-	-	-	-	-
18	Structures & Improvements	321	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Reactor Plant Equipment	322	-	-	-	-	-	-	-	-	-	-	-	-	-
20															
21	Hydro Production Plant														
22	Total Hydraulic Production Plant		17	17	17	17	17	16	15	15	16	16	16	17	17
23	Structures & Improvements	331	19	19	18	18	18	16	15	15	16	16	17	18	17
24	Reservoirs, Dams & Waterways	332	18	18	18	19	18	16	15	16	16	16	16	17	17
25	Water Wheels, Turbines & Generators	333	12	12	13	14	14	14	13	13	14	16	16	17	18
26															
27	Other Production Plant														
28	Total Other Production Plant		-	-	-	-	-	-	-	-	-	-	-	-	-
29	Fuel Holders, Producers & Accessories	342	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Gas Turbogenerators	344	-	-	-	-	-	-	-	-	-	-	-	-	-
31															
32	Transmission Plant														
33	Total Transmission Plant		19	19	19	20	19	18	17	17	19	19	20	21	21
34	Station Equipment	353	31	29	29	31	30	29	28	29	33	33	33	36	36
35	Towers & Fixtures	354	17	16	15	15	15	14	14	13	14	14	15	16	16
36	Poles & Fixtures	355	12	12	11	11	11	11	10	10	11	13	14	14	14
37	Overhead Conductors & Devices	356	22	22	24	26	23	21	19	20	22	21	22	24	23
38	Underground Conduit	357	13	13	13	13	13	12	11	11	12	14	15	15	15
39	Underground Conductors & Devices	358	20	19	21	24	19	19	18	19	21	20	22	24	22
40															
41	Distribution Plant														
42	Total Distribution Plant		21	20	21	21	21	20	19	19	20	21	21	22	22
43	Station Equipment	362	28	28	28	29	30	30	28	29	31	30	31	34	35
44	Poles, Towers & Fixtures	364	13	13	13	13	13	12	11	11	12	12	12	13	14
45	Overhead Conductors & Devices	365	17	17	19	21	18	16	15	16	17	17	18	19	18
46	Underground Conduit	366	16	16	16	16	16	15	14	14	15	17	18	18	18
47	Underground Conductors & Devices	367	21	20	22	25	20	20	19	20	22	21	23	26	23
48	Line Transformers	368	57	54	53	56	55	54	52	53	55	55	55	60	61
49	Pad Mounted Transformers	368	-	-	-	-	-	-	-	-	-	-	-	-	-
50	Services-Overhead	369	16	16	17	19	16	16	14	15	16	16	16	18	17
51	Services-Underground	369	15	15	15	16	15	15	14	14	15	14	15	17	16
52	Meters Installed	370	42	42	42	43	43	43	43	43	47	48	48	48	48
53	Street Lighting-Overhead	373	21	20	22	22	22	22	21	21	23	23	23	24	24
54	Mast Arms & Luminaires Installed	373	-	-	-	-	-	-	-	-	-	-	-	-	-
55	Street Lighting-Underground	373	22	21	23	23	24	24	24	24	25	25	25	25	26
56															

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L i n e	CONSTRUCTION AND EQUIPMENT	F E R C	COST INDEX NUMBERS												
			1 9 4 0	1 9 4 1	1 9 4 2	1 9 4 3	1 9 4 4	1 9 4 5	1 9 4 6	1 9 4 7	1 9 4 8	1 9 4 9	1 9 5 0	1 9 5 1	1 9 5 2
1	Total Plant-All Steam Generation		23	24	25	25	25	25	29	33	37	39	41	45	47
2	Total Plant-All Steam & Nuclear Gen.		-	-	-	-	-	-	-	-	-	-	-	-	-
3	Total Plant-All Steam & Hydro Gen.		22	23	25	25	26	26	29	35	38	39	41	45	46
4															
5	Steam Production Plant														
6	Total Steam Production Plant		23	24	25	25	25	25	29	33	38	40	41	45	46
7	Structures & Improvements-Indoor	311	18	19	21	21	21	22	25	29	34	36	37	39	40
8	Structures & Improvements-Semi-Outdoor	311	-	-	-	-	-	-	-	-	-	39	39	39	40
9	Boiler Plant Equipment-Coal Fired	312	20	21	22	22	22	22	24	28	33	36	38	42	42
10	Boiler Plant Equipment-Gas Fired	312	-	-	-	-	-	-	-	-	-	35	37	41	41
11	Boiler Plant Piping Installed		20	21	22	22	22	22	25	28	30	31	34	37	39
12	Turbogenerator Units	314	30	30	30	30	30	31	35	43	45	47	48	52	52
13	Accessory Electrical Equipment	315	33	34	34	34	33	32	37	42	45	47	50	57	58
14	Misc. Power Plant Equipment	316	-	-	-	-	-	-	-	-	-	38	39	42	44
15															
16	Nuclear Production Plant														
17	Total Nuclear Production Plant		-	-	-	-	-	-	-	-	-	-	-	-	-
18	Structures & Improvements	321	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Reactor Plant Equipment	322	-	-	-	-	-	-	-	-	-	-	-	-	-
20															
21	Hydro Production Plant														
22	Total Hydraulic Production Plant		18	19	21	22	22	22	25	30	33	35	37	39	40
23	Structures & Improvements	331	18	19	21	21	21	22	25	29	34	36	37	39	40
24	Reservoirs, Dams & Waterways	332	18	19	21	22	22	22	25	29	33	35	36	39	40
25	Water Wheels, Turbines & Generators	333	20	21	22	23	23	23	26	31	34	35	37	41	43
26															
27	Other Production Plant														
28	Total Other Production Plant		-	-	-	-	-	-	-	-	-	-	-	-	-
29	Fuel Holders, Producers & Accessories	342	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Gas Turbogenerators	344	-	-	-	-	-	-	-	-	-	-	-	-	-
31															
32	Transmission Plant														
33	Total Transmission Plant		22	22	24	25	25	26	29	34	36	38	40	44	46
34	Station Equipment	353	36	37	38	38	36	35	40	48	51	54	57	65	66
35	Towers & Fixtures	354	16	18	20	21	21	21	24	28	30	32	35	38	39
36	Poles & Fixtures	355	14	16	19	20	22	23	25	30	33	34	35	38	39
37	Overhead Conductors & Devices	356	24	25	27	27	28	28	32	37	41	41	43	48	50
38	Underground Conduit	357	15	17	19	20	20	21	24	27	30	31	33	34	36
39	Underground Conductors & Devices	358	23	26	28	27	26	27	31	36	44	48	52	63	65
40															
41	Distribution Plant														
42	Total Distribution Plant		23	24	26	26	27	28	31	37	39	41	42	46	47
43	Station Equipment	362	35	37	37	37	36	36	39	45	48	51	53	57	58
44	Poles, Towers & Fixtures	364	15	16	18	20	22	23	24	29	31	33	34	37	38
45	Overhead Conductors & Devices	365	19	20	21	22	22	22	25	30	32	33	34	38	40
46	Underground Conduit	366	18	21	22	23	23	23	27	30	33	35	37	39	40
47	Underground Conductors & Devices	367	24	28	29	29	28	28	33	38	46	51	55	67	68
48	Line Transformers	368	61	63	62	59	59	59	66	82	84	88	91	104	104
49	Pad Mounted Transformers	368	-	-	-	-	-	-	-	-	-	103	103	103	103
50	Services-Overhead	369	18	19	20	20	21	21	24	28	30	31	33	36	38
51	Services-Underground	369	18	20	21	21	21	21	24	27	31	33	36	44	44
52	Meters Installed	370	48	48	48	48	48	48	54	62	65	71	71	72	73
53	Street Lighting-Overhead	373	24	26	26	26	26	26	29	36	39	43	45	49	50
54	Mast Arms & Luminaires Installed	373	-	-	-	-	-	-	-	-	-	-	-	-	-
55	Street Lighting-Underground	373	26	27	28	28	30	29	31	37	41	43	42	46	47
56															

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L i n e	CONSTRUCTION AND EQUIPMENT	F E R C	COST INDEX NUMBERS												
			1 9 5 4	1 9 5 5	1 9 5 6	1 9 5 7	1 9 5 8	1 9 5 9	1 9 6 0	1 9 6 1	1 9 6 2	1 9 6 3	1 9 6 4	1 9 6 5	1 9 6 6
1	Total Plant-All Steam Generation		50	52	57	60	62	63	63	61	61	61	63	65	67
2	Total Plant-All Steam & Nuclear Gen.		-	-	-	-	-	-	-	-	-	-	-	65	67
3	Total Plant-All Steam & Hydro Gen.		50	52	56	60	61	62	62	61	61	61	63	64	67
4															70
5	Steam Production Plant														
6	Total Steam Production Plant		50	52	58	64	66	68	67	64	64	64	66	67	68
7	Structures & Improvements-Indoor	311	43	45	49	52	54	55	56	57	57	59	60	61	63
8	Structures & Improvements-Semi-Outdoor	311	44	45	51	56	57	59	59	58	58	59	60	61	63
9	Boiler Plant Equipment-Coal Fired	312	46	48	55	61	63	65	66	65	65	66	67	69	70
10	Boiler Plant Equipment-Gas Fired	312	45	47	54	60	61	64	65	65	65	65	66	68	70
11	Boiler Plant Piping Installed		43	45	51	55	57	60	62	63	63	64	65	66	68
12	Turbogenerator Units	314	57	59	68	76	80	79	75	70	68	68	69	70	71
13	Accessory Electrical Equipment	315	63	64	68	72	75	74	69	61	61	59	62	66	68
14	Misc. Power Plant Equipment	316	47	49	52	55	57	58	60	61	62	62	63	65	66
15															70
16	Nuclear Production Plant														
17	Total Nuclear Production Plant		-	-	-	-	-	-	-	-	-	-	-	67	69
18	Structures & Improvements	321	-	-	-	-	-	-	-	-	-	-	-	64	66
19	Reactor Plant Equipment	322	-	-	-	-	-	-	-	-	-	-	-	68	70
20															72
21	Hydro Production Plant														
22	Total Hydraulic Production Plant		45	46	50	54	56	58	59	59	60	61	62	64	66
23	Structures & Improvements	331	43	45	49	52	54	55	56	57	57	59	60	61	63
24	Reservoirs, Dams & Waterways	332	44	46	49	52	54	56	57	58	59	60	62	63	66
25	Water Wheels, Turbines & Generators	333	47	49	56	62	65	66	66	65	64	65	66	67	69
26															71
27	Other Production Plant														
28	Total Other Production Plant		-	-	-	-	-	-	-	-	-	-	72	73	75
29	Fuel Holders, Producers & Accessories	342	-	-	-	-	-	-	-	-	-	-	64	64	66
30	Gas Turbogenerators	344	-	-	-	-	-	-	-	-	-	-	74	74	77
31															85
32	Transmission Plant														
33	Total Transmission Plant		50	52	56	58	59	60	59	58	58	58	60	63	66
34	Station Equipment	353	72	73	79	84	87	85	79	71	70	65	69	73	75
35	Towers & Fixtures	354	43	44	46	49	51	53	54	56	56	58	60	62	65
36	Poles & Fixtures	355	42	44	47	49	50	51	53	54	55	56	58	60	62
37	Overhead Conductors & Devices	356	55	58	64	67	66	64	65	65	65	61	64	67	70
38	Underground Conduit	357	40	41	43	46	48	49	50	52	53	54	56	58	60
39	Underground Conductors & Devices	358	66	69	68	60	59	61	62	62	62	62	66	72	73
40															75
41	Distribution Plant														
42	Total Distribution Plant		51	53	56	58	59	60	60	60	60	60	62	64	66
43	Station Equipment	362	64	66	71	75	78	78	76	71	71	69	70	72	74
44	Poles, Towers & Fixtures	364	41	43	46	49	50	50	52	53	54	55	57	59	61
45	Overhead Conductors & Devices	365	43	47	51	50	50	51	53	53	54	55	57	60	62
46	Underground Conduit	366	44	45	47	49	51	53	55	56	57	59	61	62	63
47	Underground Conductors & Devices	367	70	73	71	63	62	64	66	65	65	65	70	76	77
48	Line Transformers	368	112	112	116	123	118	115	113	110	100	94	94	96	96
49	Pad Mounted Transformers	368	103	103	103	103	103	103	101	96	95	96	92	91	94
50	Services-Overhead	369	41	44	47	45	45	47	49	49	50	51	52	55	58
51	Services-Underground	369	44	45	47	46	44	45	44	44	46	47	48	52	57
52	Meters Installed	370	75	72	75	79	81	84	84	83	84	83	83	82	83
53	Street Lighting-Overhead	373	55	55	58	62	66	66	66	65	65	65	67	67	69
54	Mast Arms & Luminaires Installed	373	-	59	65	71	71	67	68	67	67	67	68	69	73
55	Street Lighting-Underground	373	52	54	55	59	62	62	63	61	61	61	62	62	67
56															74

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L i n e	CONSTRUCTION AND EQUIPMENT	F E R C	COST INDEX NUMBERS													
			1 9 6 8	1 9 6 9	1 9 7 0	1 9 7 1	1 9 7 2	1 9 7 3	1 9 7 4	1 9 7 5	1 9 7 6	1 9 7 7	1 9 7 8	1 9 7 9	1 9 8 0	1 9 8 1
1	Total Plant-All Steam Generation		73	77	83	88	93	100	121	141	151	161	170	187	204	222
2	Total Plant-All Steam & Nuclear Gen.		72	77	83	88	91	100	120	141	151	160	170	187	204	223
3	Total Plant-All Steam & Hydro Gen.		73	77	83	88	93	100	121	141	151	160	170	187	204	223
4																
5	Steam Production Plant															
6	Total Steam Production Plant		73	76	82	88	95	100	118	136	147	158	171	189	207	227
7	Structures & Improvements-Indoor	311	69	73	79	85	92	100	119	131	137	148	166	186	203	215
8	Structures & Improvements-Semi-Outdoor	311	68	72	78	84	91	100	126	141	143	150	164	184	206	217
9	Boiler Plant Equipment-Coal Fired	312	74	78	83	89	95	100	121	142	153	163	177	195	213	233
10	Boiler Plant Equipment-Gas Fired	312	74	77	82	88	94	100	120	140	151	162	177	193	212	232
11	Boiler Plant Piping Installed		73	76	83	90	97	100	114	127	139	151	168	186	202	220
12	Turbogenerator Units	314	72	75	80	89	96	100	111	129	142	155	167	185	202	224
13	Accessory Electrical Equipment	315	75	79	85	90	94	100	118	136	148	161	170	185	202	221
14	Misc. Power Plant Equipment	316	73	77	83	89	94	100	115	129	138	151	164	180	197	221
15																
16	Nuclear Production Plant															
17	Total Nuclear Production Plant		73	77	83	90	95	100	114	130	141	151	163	180	197	217
18	Structures & Improvements	321	71	76	82	88	94	100	115	127	135	143	158	176	196	214
19	Reactor Plant Equipment	322	75	79	85	91	96	100	114	131	143	152	163	178	196	214
20																
21	Hydro Production Plant															
22	Total Hydraulic Production Plant		72	77	81	86	92	100	118	132	139	147	162	181	204	221
23	Structures & Improvements	331	69	73	79	85	92	100	119	131	137	148	166	186	203	215
24	Reservoirs, Dams & Waterways	332	74	77	81	86	92	100	118	131	138	144	158	177	203	220
25	Water Wheels, Turbines & Generators	333	73	78	83	88	95	100	114	130	144	158	172	190	210	235
26																
27	Other Production Plant															
28	Total Other Production Plant		87	90	94	97	99	100	108	133	147	161	167	181	195	214
29	Fuel Holders, Producers & Accessories	342	72	77	84	89	95	100	116	131	145	156	172	189	209	228
30	Gas Turbogenerators	344	89	92	95	98	99	100	107	133	147	162	168	182	195	213
31																
32	Transmission Plant															
33	Total Transmission Plant		73	77	84	89	92	100	124	147	157	165	170	186	206	221
34	Station Equipment	353	82	85	89	91	93	100	126	149	155	167	178	192	210	226
35	Towers & Fixtures	354	72	76	80	86	92	100	126	144	147	154	168	187	209	223
36	Poles & Fixtures	355	69	72	76	81	85	100	129	146	148	153	163	181	199	217
37	Overhead Conductors & Devices	356	72	80	90	98	98	100	118	148	172	184	175	189	213	229
38	Underground Conduit	357	67	71	81	88	96	100	114	127	140	150	164	180	196	212
39	Underground Conductors & Devices	358	72	78	83	82	91	100	136	137	142	153	154	183	221	240
40																
41	Distribution Plant															
42	Total Distribution Plant		73	77	83	88	92	100	121	142	151	160	168	185	198	217
43	Station Equipment	362	79	84	89	90	93	100	123	141	146	160	171	182	197	213
44	Poles, Towers & Fixtures	364	68	71	76	82	86	100	128	147	150	157	169	191	209	227
45	Overhead Conductors & Devices	365	69	77	88	95	97	100	116	144	166	177	174	188	210	225
46	Underground Conduit	366	68	73	81	87	93	100	113	124	134	144	158	173	187	202
47	Underground Conductors & Devices	367	76	83	88	87	97	100	126	130	136	145	154	189	216	218
48	Line Transformers	368	103	101	101	102	99	100	110	130	135	146	157	166	167	194
49	Pad Mounted Transformers	368	99	96	96	98	99	100	104	106	109	121	134	142	163	191
50	Services-Overhead	369	65	73	84	91	95	100	109	121	132	143	156	171	192	202
51	Services-Underground	369	64	69	75	78	85	100	116	107	113	118	127	139	166	182
52	Meters Installed	370	86	90	94	99	100	100	108	124	135	141	146	150	150	166
53	Street Lighting-Overhead	373	74	80	88	93	96	100	122	148	159	170	187	209	228	247
54	Mast Arms & Luminaires Installed	373	72	77	90	94	97	100	118	138	154	169	184	202	226	251
55	Street Lighting-Underground	373	71	76	88	93	97	100	121	148	161	173	191	213	231	250
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L i n e	CONSTRUCTION AND EQUIPMENT	F E R C	COST INDEX NUMBERS													
			1	1	1	1	1	1	1	1	1	1	1	1	1	
			9	9	9	9	9	9	9	9	9	9	9	9	9	9
			8	8	8	8	8	8	8	8	8	8	8	8	8	8
			2	3	4	5	6	7	8	9	0	1	2	3	4	5
1	Total Plant-All Steam Generation		235	242	246	248	249	252	267	277	285	288	290	297	309	318
2	Total Plant-All Steam & Nuclear Gen.		235	242	247	249	249	252	267	277	284	288	291	297	309	319
3	Total Plant-All Steam & Hydro Gen.		234	241	246	248	249	251	266	277	283	287	290	297	309	318
4																
5	Steam Production Plant															
6	Total Steam Production Plant		237	246	253	257	257	263	280	287	293	297	301	310	322	332
7	Structures & Improvements-Indoor	311	217	224	229	229	229	230	233	240	244	239	242	254	266	272
8	Structures & Improvements-Semi-Outdoor	311	213	218	226	229	231	233	239	244	247	243	246	254	268	275
9	Boiler Plant Equipment-Coal Fired	312	244	250	259	265	269	278	294	301	310	315	320	329	338	347
10	Boiler Plant Equipment-Gas Fired	312	244	250	258	263	268	276	294	306	316	323	329	339	348	358
11	Boiler Plant Piping Installed		236	233	233	233	235	245	268	274	274	274	274	276	280	289
12	Turbogenerator Units	314	237	249	257	259	256	262	278	286	292	296	299	308	323	335
13	Accessory Electrical Equipment	315	248	256	253	253	253	253	280	293	299	303	311	320	328	343
14	Misc. Power Plant Equipment	316	240	252	260	269	273	280	291	302	308	314	319	329	346	354
15																
16	Nuclear Production Plant															
17	Total Nuclear Production Plant		231	240	244	246	247	252	265	275	281	283	286	294	305	315
18	Structures & Improvements	321	222	228	232	232	229	229	232	236	242	242	246	255	267	273
19	Reactor Plant Equipment	322	230	238	244	247	250	260	272	284	290	293	296	303	311	321
20																
21	Hydro Production Plant															
22	Total Hydraulic Production Plant		225	231	235	236	236	236	240	245	246	241	245	255	266	276
23	Structures & Improvements	331	217	224	229	229	229	230	233	240	244	239	242	254	266	273
24	Reservoirs, Dams & Waterways	332	224	229	233	233	233	232	234	238	237	230	234	243	255	266
25	Water Wheels, Turbines & Generators	333	249	259	268	272	272	277	296	309	315	327	326	334	343	353
26																
27	Other Production Plant															
28	Total Other Production Plant		230	236	239	241	244	262	306	330	337	342	349	353	345	348
29	Fuel Holders, Producers & Accessories	342	242	242	245	248	252	257	270	282	290	292	294	299	305	312
30	Gas Turbogenerators	344	230	236	239	242	245	266	314	339	346	353	359	363	352	355
31																
32	Transmission Plant															
33	Total Transmission Plant		231	237	239	241	241	240	263	275	285	289	290	299	314	327
34	Station Equipment	353	239	240	245	247	247	252	261	274	291	292	299	308	324	335
35	Towers & Fixtures	354	221	228	238	239	240	244	251	256	257	247	250	259	273	282
36	Poles & Fixtures	355	230	235	240	241	243	244	262	281	292	311	325	330	352	360
37	Overhead Conductors & Devices	356	235	252	244	242	243	232	301	309	311	320	300	309	322	346
38	Underground Conduit	357	228	233	233	231	229	231	240	253	252	249	246	249	255	256
39	Underground Conductors & Devices	358	254	257	253	244	267	269	281	302	354	397	403	406	410	417
40																
41	Distribution Plant															
42	Total Distribution Plant		232	238	240	241	241	241	253	264	271	275	275	279	289	296
43	Station Equipment	362	231	233	235	237	238	244	265	286	304	305	303	305	317	329
44	Poles, Towers & Fixtures	364	239	241	244	245	245	245	250	258	267	277	288	295	314	323
45	Overhead Conductors & Devices	365	236	248	250	250	249	244	285	294	295	302	290	298	313	331
46	Underground Conduit	366	211	225	228	224	222	224	233	253	252	244	240	243	251	254
47	Underground Conductors & Devices	367	215	217	216	221	230	233	235	249	260	265	266	267	271	279
48	Line Transformers	368	209	212	214	215	216	214	215	223	226	225	229	229	234	230
49	Pad Mounted Transformers	368	190	192	208	209	215	236	258	272	277	286	284	290	292	291
50	Services-Overhead	369	211	215	229	225	223	226	243	256	255	255	249	253	265	275
51	Services-Underground	369	182	201	204	185	178	189	202	218	220	210	205	204	213	218
52	Meters Installed	370	192	205	206	207	212	210	195	185	185	199	197	199	189	285
53	Street Lighting-Overhead	373	264	265	276	284	282	267	268	276	284	294	302	313	329	340
54	Mast Arms & Luminaires Installed	373	264	270	288	298	289	277	277	291	299	311	321	329	350	360
55	Street Lighting-Underground	373	269	270	279	286	284	268	268	275	283	292	299	311	323	335
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L i n e	CONSTRUCTION AND EQUIPMENT	F E R C	COST INDEX NUMBERS												
			1	1	1	1	2	2001		2002		2003		2004	
								Jan.	Jul.	Jan.	Jul.	Jan.	Jul.	Jan.	Jul.
1	Total Plant-All Steam Generation		324	328	334	336	352	360	362	368	370	377	375	381	397
2	Total Plant-All Steam & Nuclear Gen.		324	329	335	337	353	360	362	368	371	377	376	381	398
3	Total Plant-All Steam & Hydro Gen.		323	328	334	336	352	360	361	367	370	376	375	380	397
4															
5	Steam Production Plant														
6	Total Steam Production Plant		339	348	353	359	382	391	389	395	402	412	409	415	425
7	Structures & Improvements-Indoor	311	281	292	298	305	314	318	321	325	328	330	331	351	357
8	Structures & Improvements-Semi-Outdoor	311	281	286	290	296	316	325	328	330	335	339	333	345	362
9	Boiler Plant Equipment-Coal Fired	312	355	364	369	376	398	407	411	415	422	425	420	423	439
10	Boiler Plant Equipment-Gas Fired	312	368	377	384	390	400	406	408	412	416	418	422	431	449
11	Boiler Plant Piping Installed		296	300	303	307	317	324	325	331	335	339	336	343	357
12	Turbogenerator Units	314	341	353	358	362	384	391	380	389	396	418	418	421	424
13	Accessory Electrical Equipment	315	353	359	366	375	407	425	429	440	452	458	455	466	476
14	Misc. Power Plant Equipment	316	359	368	377	387	409	417	420	425	430	433	427	438	454
15															
16	Nuclear Production Plant														
17	Total Nuclear Production Plant		321	329	333	339	357	364	365	370	376	383	382	387	400
18	Structures & Improvements	321	284	292	294	301	318	324	330	330	337	339	335	344	356
19	Reactor Plant Equipment	322	325	331	335	339	353	359	361	366	369	372	374	376	394
20															
21	Hydro Production Plant														
22	Total Hydraulic Production Plant		285	293	296	301	309	313	316	320	322	323	324	343	347
23	Structures & Improvements	331	281	292	298	305	314	318	321	325	328	330	331	351	357
24	Reservoirs, Dams & Waterways	332	275	281	283	288	296	300	306	308	311	311	311	331	338
25	Water Wheels, Turbines & Generators	333	359	369	375	378	387	391	376	387	380	386	392	400	382
26															
27	Other Production Plant														
28	Total Other Production Plant		360	365	376	390	421	434	402	407	417	423	425	417	424
29	Fuel Holders, Producers & Accessories	342	321	328	337	343	354	359	363	365	371	374	373	376	403
30	Gas Turbogenerators	344	367	372	384	399	397	400	407	413	423	429	432	420	426
31															
32	Transmission Plant														
33	Total Transmission Plant		335	339	346	341	360	369	375	379	376	377	375	384	410
34	Station Equipment	353	337	342	351	355	380	390	396	399	400	402	396	400	441
35	Towers & Fixtures	354	296	302	305	314	325	329	336	340	341	343	344	368	376
36	Poles & Fixtures	355	375	382	386	376	379	385	394	400	395	395	397	407	411
37	Overhead Conductors & Devices	356	352	352	363	334	359	372	378	381	368	369	370	376	404
38	Underground Conduit	357	261	261	268	274	278	283	286	293	296	298	297	308	328
39	Underground Conductors & Devices	358	423	422	425	433	434	444	423	428	431	435	436	440	490
40															
41	Distribution Plant														
42	Total Distribution Plant		298	297	303	303	310	316	320	326	326	329	331	335	355
43	Station Equipment	362	327	329	342	345	348	351	352	354	346	348	346	351	395
44	Poles, Towers & Fixtures	364	331	335	337	339	344	349	354	359	363	364	368	368	378
45	Overhead Conductors & Devices	365	338	337	346	335	359	371	376	383	378	384	387	394	413
46	Underground Conduit	366	260	262	266	273	283	288	291	298	307	308	305	316	319
47	Underground Conductors & Devices	367	285	283	288	293	301	309	295	300	299	299	301	303	320
48	Line Transformers	368	225	213	218	218	220	222	228	232	236	235	241	231	251
49	Pad Mounted Transformers	368	304	307	308	310	313	314	333	335	342	336	336	365	435
50	Services-Overhead	369	275	271	276	276	286	292	293	298	293	298	298	308	316
51	Services-Underground	369	217	216	211	209	220	225	220	223	229	229	229	233	234
52	Meters Installed	370	188	200	206	198	195	205	222	243	254	264	264	300	300
53	Street Lighting-Overhead	373	360	365	367	372	380	385	391	398	412	432	436	439	445
54	Mast Arms & Luminaires Installed	373	384	389	386	386	392	398	399	405	406	408	415	417	423
55	Street Lighting-Underground	373	354	359	362	368	377	383	390	397	415	441	444	448	452
56															

SOUTH CENTRAL REGION (1973=100)

L i n e	CONSTRUCTION AND EQUIPMENT	F E R C	COST INDEX NUMBERS											
			2005		2006		2007		2008		2009		2010	
			Jan. 1	Jul. 1	Jan. 1	Jul. 1	Jan. 1	Jul. 1	Jan. 1	Jul. 1	Jan. 1	Jul. 1	Jan. 1	Jul. 1
1	Total Plant-All Steam Generation		415	421	436	452	473	484	516	535	540	519	538	550
2	Total Plant-All Steam & Nuclear Gen.		416	422	437	453	474	484	517	535	540	520	539	551
3	Total Plant-All Steam & Hydro Gen.		415	420	436	452	473	483	516	534	539	519	538	549
4														
5	Steam Production Plant													
6	Total Steam Production Plant		447	447	455	465	480	490	502	537	527	512	525	542
7	Structures & Improvements-Indoor	311	365	369	373	377	382	396	400	405	407	396	406	407
8	Structures & Improvements-Semi-Outdoor	311	382	385	389	398	409	421	434	465	469	454	466	475
9	Boiler Plant Equipment-Coal Fired	312	457	459	468	475	486	498	507	535	544	531	542	552
10	Boiler Plant Equipment-Gas Fired	312	471	481	492	502	512	526	526	549	558	538	545	555
11	Boiler Plant Piping Installed		404	407	415	420	426	424	436	478	501	483	482	496
12	Turbogenerator Units	314	448	443	449	461	475	479	489	536	490	465	478	504
13	Accessory Electrical Equipment	315	514	523	540	562	607	631	667	694	730	753	777	798
14	Misc. Power Plant Equipment	316	486	487	498	505	503	509	517	557	563	555	561	570
15														
16	Nuclear Production Plant													
17	Total Nuclear Production Plant		424	426	434	444	458	463	473	503	497	489	501	515
18	Structures & Improvements	321	370	374	377	386	393	390	396	413	413	406	418	426
19	Reactor Plant Equipment	322	420	421	431	439	451	455	461	492	488	478	488	498
20														
21	Hydro Production Plant													
22	Total Hydraulic Production Plant		356	362	365	371	376	390	393	404	401	391	401	405
23	Structures & Improvements	331	365	369	373	377	382	396	400	405	407	396	406	407
24	Reservoirs, Dams & Waterways	332	347	355	356	363	367	381	383	392	389	380	389	393
25	Water Wheels, Turbines & Generators	333	388	385	392	403	422	429	440	479	466	454	463	481
26														
27	Other Production Plant													
28	Total Other Production Plant		414	421	427	439	498	511	563	585	603	639	659	672
29	Fuel Holders, Producers & Accessories	342	429	435	437	447	460	464	475	514	522	505	508	508
30	Gas Turbogenerators	344	412	419	425	436	501	513	570	591	610	650	671	685
31														
32	Transmission Plant													
33	Total Transmission Plant		424	438	458	475	497	514	539	565	577	527	557	559
34	Station Equipment	353	455	466	484	502	534	553	572	595	610	611	632	641
35	Towers & Fixtures	354	381	385	394	398	405	433	442	446	453	428	439	441
36	Poles & Fixtures	355	427	445	446	460	466	469	499	508	526	530	542	520
37	Overhead Conductors & Devices	356	422	449	497	529	555	570	617	680	686	478	554	561
38	Underground Conduit	357	358	358	367	373	384	378	389	430	441	421	427	433
39	Underground Conductors & Devices	358	495	512	551	555	562	567	746	784	788	799	797	789
40														
41	Distribution Plant													
42	Total Distribution Plant		368	377	401	422	451	459	521	514	535	522	544	553
43	Station Equipment	362	409	415	437	447	476	491	506	525	534	533	552	559
44	Poles, Towers & Fixtures	364	395	399	404	414	424	425	435	450	467	467	481	478
45	Overhead Conductors & Devices	365	432	454	488	513	537	551	596	641	655	543	601	613
46	Underground Conduit	366	339	340	358	361	373	370	378	387	404	403	402	406
47	Underground Conductors & Devices	367	346	358	382	387	463	470	508	540	604	596	554	561
48	Line Transformers	368	262	269	305	345	392	399	585	489	516	539	566	592
49	Pad Mounted Transformers	368	467	516	534	626	659	790	610	727	697	634	639	618
50	Services-Overhead	369	329	337	356	355	373	374	396	406	417	379	403	412
51	Services-Underground	369	242	256	297	336	315	311	306	307	282	283	286	309
52	Meters Installed	370	287	287	288	294	296	302	306	307	311	311	325	325
53	Street Lighting-Overhead	373	461	469	483	549	568	578	591	622	690	702	725	674
54	Mast Arms & Luminaires Installed	373	450	465	488	519	534	545	536	546	669	665	676	690
55	Street Lighting-Underground	373	466	473	485	563	585	595	612	649	708	726	755	682
56														

SOUTH CENTRAL REGION (1973=100)

L i n e	CONSTRUCTION AND EQUIPMENT	F E R C	COST INDEX NUMBERS													
			2011		2012		2013		2014		2015		2016		2017	
			Jan. 1	Jul. 1	Jan. 1	Jul. 1	Jan. 1	Jul. 1	Jan. 1	Jul. 1	Jan. 1	Jul. 1	Jan. 1	Jul. 1	Jan. 1	Jul. 1
1	Total Plant-All Steam Generation		557	568	572	578	602									
2	Total Plant-All Steam & Nuclear Gen.		558	569	573	579	603									
3	Total Plant-All Steam & Hydro Gen.		556	568	571	577	602									
4																
5	Steam Production Plant															
6	Total Steam Production Plant		547	554	561	563	601									
7	Structures & Improvements-Indoor	311	419	420	424	428	441									
8	Structures & Improvements-Semi-Outdoor	311	484	487	497	501	519									
9	Boiler Plant Equipment-Coal Fired	312	559	561	567	571	602									
10	Boiler Plant Equipment-Gas Fired	312	562	572	585	587	604									
11	Boiler Plant Piping Installed		506	514	529	533	547									
12	Turbogenerator Units	314	502	514	516	512	564									
13	Accessory Electrical Equipment	315	823	836	871	894	929									
14	Misc. Power Plant Equipment	316	585	586	606	614	631									
15																
16	Nuclear Production Plant															
17	Total Nuclear Production Plant		521	530	537	540	580									
18	Structures & Improvements	321	429	428	432	435	450									
19	Reactor Plant Equipment	322	505	518	521	522	572									
20																
21	Hydro Production Plant															
22	Total Hydraulic Production Plant		416	418	423	426	438									
23	Structures & Improvements	331	419	420	424	428	441									
24	Reservoirs, Dams & Waterways	332	406	407	412	416	423									
25	Water Wheels, Turbines & Generators	333	476	484	486	479	528									
26																
27	Other Production Plant															
28	Total Other Production Plant		665	681	729	747	769									
29	Fuel Holders, Producers & Accessories	342	520	525	539	545	554									
30	Gas Turbogenerators	344	674	691	743	762	784									
31																
32	Transmission Plant															
33	Total Transmission Plant		565	581	573	579	592									
34	Station Equipment	353	657	663	671	679	699									
35	Towers & Fixtures	354	454	458	470	469	482									
36	Poles & Fixtures	355	521	524	529	532	537									
37	Overhead Conductors & Devices	356	546	599	537	545	556									
38	Underground Conduit	357	445	451	471	472	471									
39	Underground Conductors & Devices	358	851	855	865	896	908									
40																
41	Distribution Plant															
42	Total Distribution Plant		563	578	582	592	607									
43	Station Equipment	362	571	577	583	589	589									
44	Poles, Towers & Fixtures	364	476	480	485	489	494									
45	Overhead Conductors & Devices	365	620	661	630	640	661									
46	Underground Conduit	366	418	420	434	434	436									
47	Underground Conductors & Devices	367	595	609	642	666	653									
48	Line Transformers	368	604	622	642	657	699									
49	Pad Mounted Transformers	368	620	677	679	678	680									
50	Services-Overhead	369	434	454	433	435	440									
51	Services-Underground	369	349	367	390	410	416									
52	Meters Installed	370	316	315	311	314	318									
53	Street Lighting-Overhead	373	684	708	720	734	728									
54	Mast Arms & Luminaires Installed	373	692	707	728	748	732									
55	Street Lighting-Underground	373	697	723	733	746	742									
56																

Date of Storm/Index	Storm Total	Trans. & Dist. Gross Loss	\$ 500,000 Higher Threshold	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total	Losses > \$50,000	Natural Log
01/01/00				304				512,322	3,261,979		
01/03/00	86,781	5,506	0		304.066	1.996	0				
01/26/00	32,037	27,149	0		304.824	1.991	0				
03/26/00	81,134	36,871	0		306.802	1.978	0				
04/02/00	625,578	165,520	165,520		307.033	1.977	327,233			165,520	12.6984279
04/03/00	91,202	91,202	0		307.066	1.977	0				
04/12/00	110,760	84,977	0		307.363	1.975	0				
05/01/00	934,486	679,867	679,867		307.989	1.971	1,340,018			679,867	14.1081937
05/19/00	565,568	136,189	136,189		308.582	1.967	267,885			136,189	12.4983117
05/22/00	859,565	251,471	251,471		308.681	1.966	494,393			251,471	13.1110854
07/01/00				310				2,429,529			
07/24/00	171,017	26,104	0		310.750	1.953	0				
08/11/00	607,497	229,914	229,914		311.337	1.950	448,333			229,914	13.0132917
08/14/00	111,558	83,291	0		311.435	1.949	0				
08/23/00	1,181,449	694,172	694,172		311.728	1.947	1,351,553			694,172	14.1167646
09/01/00	18,815	6,118	0		312.022	1.945	0				
09/05/00	1,102,598	620,602	620,602		312.152	1.945	1,207,071			620,602	14.0037072
09/22/00	281,104	139,863	0		312.707	1.941	0				
11/06/00	25,417	25,417	0		314.174	1.932	0				
11/25/00	1,436,469	728,593	728,593		314.793	1.928	1,404,727			728,593	14.1553538
12/12/00	15,494	15,494	0		315.348	1.925	0				
01/01/01				316				4,411,684	6,841,213		
03/15/01	740,530	184,870	184,870		317.613	1.911	353,287			184,870	12.7750373
06/05/01	2,166,303	691,102	691,102		319.425	1.900	1,313,093			691,102	14.0878964
07/01/01				320				1,666,380			
08/08/01	885,720	340,048	340,048		321.239	1.890	642,692			340,048	13.3734202
09/01/01	1,393,315	1,007,649	1,007,649		322.022	1.885	1,899,419			1,007,649	14.4570584
10/12/01	5,146	5,146	0		323.359	1.877	0				
10/13/01	21,060	21,060	0		323.391	1.877	0				
10/15/01	434,828	155,344	0		323.457	1.877	0				
11/30/01	777,347	387,722	387,722		324.957	1.868	724,264			387,722	13.4929118
01/01/02				326				3,266,375	4,932,755		
04/01/02	522,397	335,975	335,975		326.000	1.862	625,585			335,975	13.3464423
04/08/02	25,517	25,517	0		326.000	1.862	0				
07/01/02				326				625,585			
07/15/02	288,666	112,573	0		326.228	1.861	0				
08/05/02	756,512	535,618	535,618		326.571	1.859	995,713			535,618	13.8112146
08/27/02	249,597	249,597	0		326.929	1.857	0				
08/28/02	97,794	97,794	0		326.946	1.857	0				
09/24/02	35,365	35,365	0		327.386	1.854	0				
09/30/02	1,156,477	1,156,477	1,156,477		327.484	1.854	2,144,108			1,156,477	14.578234
10/05/02	310,756	148,220	0		327.565	1.853	0				
10/30/02	1,124,310	868,310	868,310		327.973	1.851	1,607,241			868,310	14.2900298
12/23/02	14,059	14,059	0		328.853	1.846	0				
12/30/02	166,174	128,378	0		328.967	1.845	0				
01/01/03				329				4,747,062	5,372,647		
02/26/03	203,949	150,403	0		329.619	1.842	0				
03/19/03	155,379	98,623	0		329.851	1.840	0				
05/05/03	159,664	65,937	0		330.370	1.837	0				
05/13/03	814,059	440,710	440,710		330.459	1.837	809,584			440,710	13.6042761
05/14/03	35,186	35,186	0		330.470	1.837	0				
06/13/03	281,821	205,071	0		330.801	1.835	0				
06/30/03		0	0		330.989	1.834	0				
07/01/03				331				809,584			
07/15/03	363,352	21,084	0		331.304	1.832	0				
08/25/03	272,432	146,142	0		332.196	1.827	0				
09/02/03	811,131	511,872	511,872		332.370	1.826	934,677			511,872	13.7479567
11/17/03	24,366	24,366	0		334.022	1.817	0				
01/01/04				335				934,677	1,744,261		
03/09/04		0	0		342.473	1.772	0				
04/10/04	120,460	69,468	0		345.989	1.754	0				
04/13/04	126	126	0		346.319	1.753	0				
05/01/04	208,195	82,595	0		348.297	1.743	0				
05/11/04	746,796	405,023	405,023		349.396	1.737	703,525			405,023	13.4638586
06/04/04	155,401	64,909	0		352.033	1.724	0				
06/28/04	332,961	245,943	0		354.670	1.711	0				
07/01/04				355				703,525			
08/11/04		0	0		357.897	1.696	0				
09/18/04	98,157	87,864	0		360.582	1.683	0				
10/10/04	1,154,825	831,785	831,785		362.136	1.676	1,394,072			831,785	14.1477396
01/01/05				368				0	703,525		
01/12/05	89,230	30,185	0		368.547	1.647	0				
05/25/05	379,590	203,468	0		375.160	1.618	0				
05/31/05	57,690	50,215	0		375.459	1.617	0				
06/15/05	393,456	299,816	0		376.204	1.613	0				
06/16/05	97,659	76,360	0		376.254	1.613	0				
07/01/05				377				0			
07/11/05	361,045	152,419	0		378.304	1.605	0				
08/01/05	200,062	74,531	0		381.043	1.593	0				
09/24/05	153,014,371	18,580,441	18,580,441		388.087	1.564	29,059,810			18,580,441	17.1848667
10/19/05	5,027	5,027	0		391.348	1.551	0				
01/01/06				401				29,059,810	29,059,810		
03/15/06		0	0		409.470	1.482	0				
04/29/06	335,556	191,439	0		414.691	1.464	0				
05/30/06	169,968	35,711	0		418.287	1.451	0				
07/01/06				422				0			
07/17/06	163,386	58,058	0		424.522	1.430	0				
07/24/06	129,875	123,551	0		425.625	1.426	0				

Date of Storm/Index	Storm Total	Trans. & Dist. Gross Loss	\$ 500,000 Higher Threshold	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total	Losses > \$50,000	Natural Log
07/26/06	131,944	74,526	0		425.940	1.425	0				
08/01/06		0	0		426.886	1.422	0				
08/15/06	75,793	39,712	0		429.092	1.415	0				
09/15/06	824,436	367,271	367,271		433.978	1.399	513,812			367,271	13.1496135
10/15/06		0	0		438.707	1.384	0				
11/10/06	362,775	180,489	0		442.804	1.371	0				
12/31/06	405,394	45,196	0		450.842	1.346	0				
01/01/07				451				513,812	513,812		
01/15/07	482,959	458,834	0		451.619	1.344	0				
02/14/07	59,134	34,941	0		452.945	1.340	0				
04/15/07	245,907	132,402	0		455.597	1.332	0				
05/01/07	427,247	207,525	0		456.304	1.330	0				
05/16/07	63,443	11,941	0		456.967	1.328	0				
06/11/07	104,525	20,896	0		458.116	1.325	0				
07/01/07				459				0			
08/18/07		0	0		475.174	1.277	0				
08/19/07	96,309	51,429	0		475.511	1.277	0				
08/28/07	200,551	150,873	0		478.543	1.268	0				
09/12/07	26,694,825	24,540,246	24,540,246		483.598	1.255	30,798,009			24,540,246	17.2429606
09/20/07	55,333	44,272	0		486.293	1.248	0				
10/16/07	165,843	54,927	0		495.054	1.226	0				
01/01/08				521				30,798,009	30,798,009		
05/11/08	146,723	113,425	0		515.962	1.176	0				
05/15/08	283,385	125,581	0		515.808	1.177	0				
05/27/08	308,320	84,410	0		515.346	1.178	0				
06/17/08	227,282	46,497	0		514.538	1.180	0				
06/24/08	78,078	18,060	0		514.269	1.180	0				
06/25/08	214,443	120,764	0		514.231	1.180	0				
06/26/08	201,419	296,265	0		514.192	1.180	0				
06/29/08	164,399	344	0		514.077	1.181	0				
07/01/08				514				0			
08/03/08	927,227	280,160	280,160		517.766	1.172	328,348			280,160	12.701828
08/04/08	9,657,404	8,926,681	8,926,681		517.880	1.172	10,462,070			8,926,681	16.1632669
01/01/09				535				10,790,418	10,790,418		
03/25/09	817,721	359,299	359,299		529.039	1.147	412,116			359,299	12.9290613
04/17/09	352,183	113,019	0		527.387	1.151	0				
04/27/09	310,301	101,499	0		526.669	1.153	0				
06/29/09	89,276	11,423	0		522.144	1.163	0				
07/01/09				522				412,116			
07/18/09	332,499	146,134	0		524.033	1.158	0				
07/27/09	135,480	12,323	0		525.109	1.156	0				
09/21/09	98,901	33,991	0		531.804	1.141	0				
10/12/09	128,270	46,644	0		534.315	1.136	0				
10/29/09	220,940	143,559	0		536.348	1.132	0				
12/24/09	492,819	96,980	0		543.043	1.118	0				
01/01/10				544				0	412,116		
05/14/10	198,193	65,088	0		550.613	1.102	0				
05/18/10	132,551	39,702	0		550.812	1.102	0				
05/30/10	152,635	41,302	0		551.409	1.101	0				
06/08/10	154,850	68,392	0		551.856	1.100	0				
07/01/10				553				0			
07/24/10	447,882	75,187	0		554.250	1.095	0				
08/16/10	332,057	50,981	0		555.500	1.093	0				
08/17/10	143,924	1,706	0		555.554	1.093	0				
08/23/10	97,278	17,666	0		555.880	1.092	0				
08/31/10	127,265	55,060	0		556.315	1.091	0				
09/12/10	101,437	16,450	0		556.967	1.090	0				
01/01/11				563				0	0		
01/09/11	199,263	153,731	0		563.663	1.077	0				
02/01/11	1,173,242	703,227	703,227		565.569	1.073	754,563			703,227	13.5338941
02/04/11	734,219	547,441	547,441		565.818	1.073	587,404			547,441	13.2834685
04/26/11	560,557	222,618	222,618		572.530	1.060	235,975			222,618	12.3714818
05/21/11	92,239	55,717	0		574.602	1.056	0				
06/06/11	433,273	72,642	0		575.928	1.054	0				
06/19/11	119,833	34,254	0		577.006	1.052	0				
07/01/11				578				1,577,942			
07/02/11	119,966	20,071	0		578.022	1.050	0				
07/05/11	22,298	22,298	0		578.087	1.050	0				
07/06/11	95,061	57,937	0		578.109	1.050	0				
07/14/11	256,619	30,002	0		578.283	1.050	0				
07/25/11	132,346	71,395	0		578.522	1.049	0				
07/26/11	51,278	37,418	0		578.543	1.049	0				
08/14/11	80,784	42,743	0		578.957	1.048	0				
08/18/11	55,541	26,857	0		579.043	1.048	0				
08/24/11	940,722	579,943	579,943		579.174	1.048	607,780			579,943	13.3175685
09/03/11	741,137	619,543	619,543		579.391	1.048	649,281			619,543	13.3836206
09/29/11	490,373	224,385	0		579.957	1.047	0				
10/12/11	152,113	55,781	0		580.239	1.046	0				
12/22/11	114,550	42,902	0		581.783	1.043	0				
01/01/12				582				1,257,061	2,835,003		
01/09/12	177,776	35,609	0		582.440	1.042	0				
01/25/12	1,226,613	315,749	315,749		583.319	1.041	328,695			315,749	12.7028856
02/04/12	169,257	39,006	0		583.868	1.040	0				
02/18/12	799,283	194,165	194,165		584.637	1.038	201,544			194,165	12.2137612
02/24/12	251,585	59,611	0		584.967	1.038	0				
03/19/12	1,058,185	236,049	236,049		586.286	1.035	244,310			236,049	12.4061943
04/02/12	253,215	57,133	0		587.055	1.034	0				
04/20/12	638,011	155,997	155,997		588.044	1.032	160,989			155,997	11.989089

Date of Storm/Index	Storm Total	Trans. & Dist. Gross Loss	\$ 500,000 Higher Threshold	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total	Losses > \$50,000	Natural Log
05/10/12	700,043	162,329	162,329		589.143	1.030	167,199			162,329	12.0269371
05/31/12	517,884	115,757	115,757		590.297	1.028	118,998			115,757	11.6868637
06/06/12	886,605	207,956	207,956		590.626	1.028	213,779			207,956	12.2726992
06/12/12	3,002,904	690,695	690,695		590.956	1.027	709,343			690,695	13.472095
07/01/12				592				2,144,857			
07/13/12	324,613	64,802	0		592.978	1.024	0				
07/17/12	185,431	44,564	0		593.304	1.023	0				
07/21/12	521,997	105,974	105,974		593.630	1.023	108,412			105,974	11.5936908
07/28/12	203,649	42,677	0		594.201	1.022	0				
08/05/12	75,795	15,566	0		594.853	1.020	0				
08/06/12	114,862	25,567	0		594.935	1.020	0				
08/10/12	213,206	45,307	0		595.261	1.020	0				
08/18/12	357,832	74,586	0		595.913	1.019	0				
08/28/12	157,606	41,350	0		596.728	1.017	0				
09/30/12	197,522	45,863	0		599.418	1.013	0				
11/03/12	185,517	33,851	0		602.190	1.008	0				
11/26/12	319,501	71,452	0		604.065	1.005	0				
12/04/12	138,394	32,820	0		604.717	1.004	0				
12/09/12	174,960	33,443	0		605.125	1.003	0				
12/16/12	121,741	27,821	0		605.696	1.002	0				
12/20/12	1,375,283	396,054	396,054		606.022	1.002	396,846			396,054	12.8913048
12/25/12	2,902,928	827,214	827,214		606.429	1.001	828,041			827,214	13.626818
01/01/13				607				1,333,299	3,478,156		
01/09/13	312,225	89,687	0		607.000	1.000	0				
02/25/13	287,236	76,850	0		607.000	1.000	0				
03/10/13	69,395	13,557	0		607.000	1.000	0				
07/01/13				607				0	0		
Total									97,481,725		
Average									7,220,869 13.5		
Total Number of Claims								43	Avg Natural Log of Losses		
Number of Years								14	Std Dev of above		
Average per year								3.185	13.465702 1.210174		

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Gregory S. Wilson
Sponsoring Witness: Gregory S. Wilson
Beginning Sequence No. LC3
Ending Sequence No. LC4

Question No.: OPUC 1-3

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Mr. Gregory S. Wilson, Exhibit GSW-3.

- a. Please provide the calculation of how the costs related to Hurricanes Rita, Gustav, Ike, Laura, Delta and Harvey were removed from the costs from each of these years of historical data.
- b. Please confirm or deny that the annual costs shown on this exhibit are already net of the costs for each of these hurricanes.

Response:

- a. See the table below for the calculation.

Storm	Date	Original Expense	Expense Removed	Net Remaining	Notes
Rita	9/24/2005	175,621,244	173,608,533	2,012,711	The expenses for Hurricane Rita were removed from the analysis during 2007. At the time of the next analysis, there were additional payments for Rita that were not securitized. These were charged to the Insurance Reserve.
Gustav	9/2/2008	14,908,545	14,908,545	-	
Ike	9/11/2008	340,775,285	340,775,285	-	
Harvey	8/24/2017	21,925,686	20,527,124	1,398,562	All the expenses for Hurricane Harvey were removed from the analysis during 2018. At the time of this analysis, there were additional payments for Harvey that had not been

Question No.: OPUC 1-3

Storm	Date	Original Expense	Expense Removed	Net Remaining	Notes
					included in the regulatory asset filing or securitized. These were charged to the Insurance Reserve.
Laura	8/25/2020	53,139,554	37,355,161	15,784,393	
Delta	10/9/2020	9,222,277	7,158,175	2,064,102	

- b. Confirmed, to the extent that the losses were not otherwise recovered.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Gregory S. Wilson
Sponsoring Witness: Gregory S. Wilson
Beginning Sequence No. LC5
Ending Sequence No. LC5

Question No.: OPUC 1-4

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Mr. Gregory S. Wilson, Exhibit GSW-3. Please confirm or deny that Mr. Wilson has always conducted his Monte Carlo analysis for regulatory proceedings with 25 years of historical storm data. If deny, provide the case numbers for those regulatory proceedings in which Mr. Wilson used less than 25 years.

Response:

Denied. Most companies do not have 25 years of storm data. Mr. Wilson conducted his analysis with less than 25 years of data on all the dockets listed on page 4 of his Direct Testimony except Docket Nos. 39896, 41791, 44704, and 48371. Mr. Wilson has recently conducted a Monte Carlo analysis in Docket No. 53601, also with less than 25 years of historical storm data.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Gregory S. Wilson
Sponsoring Witness: Gregory S. Wilson
Beginning Sequence No. LC9
Ending Sequence No. LC9

Question No.: OPUC 1-5

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Mr. Gregory S. Wilson, Exhibit GSW-3. Given that a Monte Carlo simulation study is used to support Mr. Wilson's recommended storm reserve adjustments, please provide a detailed explanation of how the actual and trended storm costs are used in the Monte Carlo analysis.

Response:

The Monte Carlo simulation starts with the actual losses that are charged to the self-insurance reserve. These are trended to the current cost level as explained in Section IV of Mr. Wilson's testimony. Then, the natural logarithm of the trended costs is used to calculate the mean value and the standard deviation. These values are then used in the Monte Carlo simulation, along with the average number of claims per year.

In the simulation, the first step is to input the historical average number of claims, as well as a random number, into a Poisson distribution to estimate the number of claims in each year of the simulation. The second step is to use the mean and standard deviation of the natural log of the trended losses in an inverse lognormal distribution to estimate each claim for a particular year. This process is repeated for each iteration.

See the Company's response to OPUC 1-1.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Gregory S. Wilson
Sponsoring Witness: Gregory S. Wilson
Beginning Sequence No. LC6
Ending Sequence No. LC7

Question No.: OPUC 1-6

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Mr. Gregory S. Wilson, Exhibit GSW-5. Please reconcile the amounts shown on this exhibit to the annual amounts shown on Exhibit GSW-3. Please also include identification of the line items on this exhibit that are related to Hurricanes Rita, Gustav, Ike, Laura, Delta and Harvey.

Response:

Exhibit GSW-5 to the Direct Testimony of Gregory S. Wilson was used to estimate the percentage of losses that are related to expense versus capital.

The table below reconciles the expense portion of the losses from Exhibit GSW-5 to Exhibit GSW-3 to Mr. Wilson's Direct Testimony.

Storm Reserve Expenses

Year	Exh GSW-5	Exh GSW-3	Difference
2015	5,675,252.54	6,566,180	890,927.56
2016	7,885,269.47	8,273,668	388,398.99
2017	2,565,232.00	3,437,016	871,784.41
2018	2,577,561.21	2,577,561	-
2019	12,090,143.23	12,964,825	874,682.26
2020	2,386,522.33	20,725,177	18,338,654.20
2021	2,674,718.35	7,364,323	4,689,605.10
	35,854,699.13	61,908,751.65	

The table on the next page shows the differences for each year by storm.

Question No.: OPUC 1-6

Project	Date	Expense	Expense	Capital	Difference
Exh GSW-5	Exh GSW-3	Exh GSW-5	Exh GSW-3	Exh GSW-5	in Expense
C7PPSJ7324	04/27/15	3,112,588	3,112,588	5,927,680	-
C7PPSJ324A	04/27/15	-	7,628	-	7,628
E2PPSJ7285	04/27/15	-	27,086	-	27,086
E2PPWJ0153	05/21/15	-	451,396	-	451,396
C7PPSJ7235	05/25/15	-	394,194	-	394,194
E2PPSJ7235A	05/25/15	-	10,623	-	10,623
Sub Total	2015				890,928
E2PPSJ7326	03/11/16	-	150,013	-	150,013
C7PPSJ7350	04/27/16	1,889,348	1,889,348	4,023,601	-
E2PPSJ7327	04/27/16	-	159,496	-	159,496
E2PPSJ7353	04/27/16	-	9,191	-	9,191
C7PPSJ7353	05/26/16	4,356,151	4,356,151	9,176,648	-
E2PPSJ7354	05/26/16	-	69,699	-	69,699
Sub Total	2016				388,399
C7PPSJ7376	08/24/17	594,625	594,625	566,417	-
E2PPSJ7355	08/24/17	-	633,438	-	633,438
E2PPHARV/TX	08/24/17	-	6,087	-	6,087
E2PPWJ0174	08/24/17	-	164,412	-	164,412
C7PPSJ7377	10/22/17	2,284	2,284	4,678	-
C7PPSJ7377	10/22/17	-	67,848	-	67,848
Sub Total	2017				871,785
C7PPSJ7396	04/13/19	787,551	787,551	1,085,629	-
C7PPJ7396A	04/13/19	3,649	3,649	11,317	-
E2PPSJ7357	04/13/19	-	13,367	-	13,367
C7PPSJ7400	05/09/19	5,144,407	5,144,407	5,500,340	-
E2PPSJ7380	05/09/19	-	594,766	-	594,766
C7PPSJ7406	09/19/19	3,180,377	3,180,377	4,085,988	-
E2PPSJ7381	09/19/19	-	266,550	-	266,550
Sub Total	2019				874,683
E2PPSJ7382	01/10/20	-	58,631	-	58,631
C7PPSJ7413	04/23/20	72,310	72,310	274,783	-
E2PPSJ7383	04/23/20	-	188,934	-	188,934
C7PPSJ7417	05/27/20	172,665	172,665	747,276	-
E2PPSJ7384	05/27/20	-	152,373	-	152,373
E2PPWJ0178	08/27/20	-	946,906	-	946,906
E2PPWJ0179	08/27/20	-	1,608,063	-	1,608,063
C7PPSJ7421	08/27/20	81,734	81,734	280,705	-
C7PPSJ7424	08/27/20	-	11,298,523	-	11,298,523
E2PPOMTXLR	08/27/20	-	3,622	-	3,622
E2PPSJ7385	08/27/20	-	1,845,546	-	1,845,546
E2PPSJ7386	09/21/20	-	171,955	-	171,955
C7PPSJ7425	09/21/20	143,754	143,754	657,270	-
E2PPSJ7388	10/09/20	-	543,147	-	543,147
C7PPSJ7426	10/09/20	-	1,500,377	-	1,500,377
C8PPDELTAT	10/09/20	-	0	-	0
E2PPOMTXDE	10/09/20	-	1,852	-	1,852
E2PPWJ0222	10/09/20	-	18,768	-	18,768
E2PPWJ0223	10/09/20	-	(42)	-	(42)
Sub Total	2020				18,338,654
C7PPSJ7431	02/15/21	-	1,608,282	-	1,608,282
E2PPSJ7389	02/15/21	-	819,700	-	819,700
E2PPOMTXWS	02/15/21	-	84,957	-	84,957
E2PPWJ0227	02/15/21	-	488,512	-	488,512
E2PPWJ0228	02/15/21	-	59,909	-	59,909
C7PPSJ7433	04/23/21	49,748	49,748	168,115	-
E2PPSJ7390	04/23/21	-	50,323	-	50,323
E2PPSJ7391	05/16/21	-	148,737	-	148,737
C7PPSJ7445	08/24/21	62,226	62,226	304,000	-
E2PPSJ7392	08/24/21	-	58,924	-	58,924
E2PPIDAESL	08/29/21	-	4,943	-	4,943
E2PPWJ0234	08/29/21	-	1,264	-	1,264
F3PPSTRMPL	08/29/21	-	240,802	-	240,802
E2PPSJ7393	09/14/21	-	1,123,251	-	1,123,251
C7PPSJ7447	09/14/21	501,353	501,353	-	-
Sub Total	2020				4,689,605
Total					26,054,054

There are no line items on Exhibit GSW-5 that relate to Hurricanes Rita, Gustav, Ike, Laura or Delta. There is one line item for Hurricane Harvey, which was charged after the regulatory asset was approved.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Gregory S. Wilson
Sponsoring Witness: Gregory S. Wilson
Beginning Sequence No. LC8
Ending Sequence No. LC8

Question No.: OPUC 1-7

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Mr. Gregory S. Wilson, Exhibit GSW-6. Please provide a detailed description of this exhibit and the purpose for including data back to 1986 in the analysis. Please also reconcile the information included in this exhibit to the annual amounts shown on Exhibit GSW-3.

Response:

The Direct Testimony of Gregory S. Wilson does not include an Exhibit GSW-6. However, the Company provides the following response assuming that the question intends to reference the workpapers to Exhibit GSW-5.

The workpapers to Mr. Wilson's Direct Testimony include all available data concerning storm losses. While the losses back to 1986 were not used, they were included in the Exhibit GSW-5 and the workpapers to Exhibit GSW-5.

The column headed "Annual Total" in the workpapers to Exhibit GSW-5 matches the column labeled "Trended Total" on Exhibit GSW-3. The "Actual Loss" column on Exhibit GSW-3 can be calculated by adding all the losses for each year in the "Trans & Dist. Gross Loss" column in the workpapers to Exhibit GSW-5.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.

Prepared By: Jessica B. Little, LeAnn Smith

to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Sponsoring Witness: Allison P. Lofton
Beginning Sequence No. LC10
Ending Sequence No. LC11

Question No.: OPUC 1-8

Part No.:

Addendum:

Question:

Please refer to Schedule G-1.1, sponsored by Ms. Allison P. Lofton. Please provide the base payroll, overtime and other pay by employee for the test year. Please include in your response the justification/explanation of the "other pay" issued each month by employee.

Response:

Information included in the response contains confidential ("confidential") materials. Specifically, the responsive materials are protected pursuant to Texas Government Code Sections 552.101 and/or 552.110. Confidential materials will be provided pursuant to the terms of the Protective Order in this docket.

Please see the confidential attachment (TP-53719-00OPC001-X008_CONF) for the Regular Payroll and Overtime Payroll Test Year amounts by Employee ID. The totals may not tie to the amounts reflected in Schedule G-1.1 as only those amounts identified with an Employee ID are included in the attachment. Confidential materials have been included on the secure ShareFile site provided to the parties that have executed protective order certifications in this proceeding.

The amounts reflected as Other in Schedule G-1.1 are related to payroll loaders for payroll accruals, short term incentive compensation accruals, and non-productive time (employee paid time off for vacation, sick leave, etc.) that are recorded monthly. However, the payroll loader transactions cannot be provided by employee, as they are not recorded in the accounting system by employee.

**DESIGNATION OF PROTECTED MATERIALS PURSUANT TO
PARAGRAPH 4 OF DOCKET NO. 53719 PROTECTIVE ORDER**

The Response to this Request for Information includes Protected Materials within the meaning of the Protective Order in force in this Docket. Public Information Act exemptions applicable to this information include Tex. Gov't Code Sections 552.101 and/or 552.110. ETI asserts that this information is exempt from public disclosure under the Public Information Act and subject to treatment as Protected Materials because it concerns competitively sensitive commercial and/or financial information and/or information designated confidential by law.

Counsel for ETI has reviewed this information sufficiently to state in good faith that the information is exempt from public disclosure under the Public Information Act and merits the Protected Materials Designation.

Kristen F. Yates
Entergy Services, LLC.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.

Prepared By: Jessica B. Little, LeAnn Smith

to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Sponsoring Witness: Allison P. Lofton
Beginning Sequence No. LC12
Ending Sequence No. LC12

Question No.: OPUC 1-9

Part No.:

Addendum:

Question:

Please refer to Schedule G-1.1, sponsored by Ms. Lofton. Please provide the overtime payroll for each of the calendar years 2015-2017. Please include in your response an explanation as to why the overtime payroll was greater in 2020 and 2021 than in the other years shown on this schedule.

Response:

Below is the overtime payroll for each of the calendar years 2015-2017, respectively.

Year	Overtime Payroll Amount
2015	9,531,187
2016	9,157,351
2017	10,681,296

The increase in overtime payroll amounts reflected on Schedule G-1.1 for 2020 and 2021, as compared to 2018 and 2019 amounts, is driven primarily by overtime payroll charges related to Montgomery County Power Station commencing operation and Hurricane Laura storm restoration.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.

to the First Set of Data Requests

of Requesting Party: Office of Public Utility
Counsel

Prepared By: Lauren Hayes, Jessica
Little, Lynsi Oster

Sponsoring Witnesses: Jennifer A. Raeder,
Allison P. Lofton

Beginning Sequence No. LR1

Ending Sequence No. LR3

Question No.: OPUC 1-10

Part No.:

Addendum:

Question:

Please refer to Schedule G-1.6, sponsored by Ms. Jennifer A Raeder. With respect to short-term incentive compensation awarded during the test year, please provide the following information:

- a. Date of awards;
 - b. Incentive compensation awarded by employee and plan identification;
 - c. Payroll base on which incentive pay was computed by employee;
 - d. Target percentages for incentive pay by employee or employee position. If provided by employee position, include the position with each employee's information;
 - e. List of each performance measure on which incentive pay can be awarded and the weight of such performance measure in the final award computation for the test year; and
 - f. Detailed computation of incentive pay adjustment included in the filing by employee with explanation of how it complies with prior Commission decisions.
 - g. Please confirm or deny that incentive awards were based on percentages that were greater than 100% of target rates by position.
-

Response:

Information included in the response contains highly sensitive protected ("highly sensitive") materials. Specifically, the responsive materials are protected pursuant to Texas Government Code Sections 552.101 and/or 552.110. Highly sensitive materials will be provided pursuant to the terms of the Protective Order in this docket.

- a.-e. Please see the highly sensitive attachment (TP-53719-00OPC001-X010_HSPM_A-E). Highly sensitive materials have been included on the secure ShareFile site provided to the parties that have executed protective order certifications in this proceeding.
- f. Entergy Texas, Inc. (“ETI”) does not record incentive compensation amounts by employee in its accounting system and, therefore, cannot provide the adjustment by employee as requested.

As discussed on pages 28-29 (Q44) of the Direct Testimony of Jennifer A. Raeder, ETI has removed Test Year costs associated with incentive compensation awards to Entergy employees based on the achievement of financial metrics. This is consistent with the methodology utilized by the Commission in ETI’s last fully litigated base-rate case, Docket No. 39896. Exhibit JAR-2 to Dr. Raeder’s testimony shows the annual incentive payouts based on performance in the Test Year by dollars and percent allocations.

ETI has not removed any additional annual incentive compensation expense based on the incorporation of a financially based funding metric in the formula used to determine the annual incentive compensation pool. Please see pages 29-34 (Q45-Q50) of Dr. Raeder’s testimony for a discussion of, including ETI’s position on, the Commission’s incentive compensation precedent.

For additional discussion of and supporting calculations for the incentive compensation pay adjustments made by ETI in its application, please refer to: (1) the Direct Testimony of Allison P. Lofton at page 22 (Q45), and page 23 (Q46); and (2) AJ22A and AJ22B in the Schedule P workpapers, Vol. 2- Adjustments.

- g. Please refer to ETI’s response to OPUC 1-10(a)-(e) for actual employee awards. Employees in the team share incentive plans (TSIP, TSPB) may receive awards that are above or below their incentive target based on performance on operational goals. Employees in other incentive plans (e.g., EXIP, SMIP, OSIP, EAIP) may receive awards that are above or below their incentive target based on factors like the achievement of business unit goals, company performance, and individual performance.

**DESIGNATION OF PROTECTED MATERIALS PURSUANT TO
PARAGRAPH 4 OF DOCKET NO. 53719 PROTECTIVE ORDER**

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Counsel for ETI has reviewed this information sufficiently to state in good faith that the information is exempt from public disclosure under the Public Information Act and merits the Protected Materials Designation.

Kristen F. Yates
Entergy Services, LLC.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Lauren Hayes
Sponsoring Witness: Jennifer A. Raeder
Beginning Sequence No. LR4
Ending Sequence No. LR5

Question No.: OPUC 1-11

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Ms. Raeder, pages 7-8. Please provide copies of each of Entergy's Annual Incentive Programs for each of the years 2018, 2019, 2020 and 2021.

Response:

Information included in the response contains highly sensitive protected ("highly sensitive") materials. Specifically, the responsive materials are protected pursuant to Texas Government Code Sections 552.101 and/or 552.110. Highly sensitive materials will be provided pursuant to the terms of the Protective Order in this docket.

Please refer to highly sensitive Exhibit JAR-1 to the Direct Testimony of Jennifer A Raeder for the 2021 annual incentive plan summaries. Please see highly sensitive attachment (TP-53917-00OPC001-X011_HSPM) for the annual incentive plan summaries for years 2018, 2019, and 2020.

Highly sensitive materials have been included on the secure ShareFile site provided to the parties that have executed the protective order certifications in this proceeding.

**DESIGNATION OF PROTECTED MATERIALS PURSUANT TO
PARAGRAPH 4 OF DOCKET NO. 53719 PROTECTIVE ORDER**

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Kristen F. Yates
Entergy Services, LLC.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Lauren Hayes
Sponsoring Witness: Jennifer A. Raeder
Beginning Sequence No. LR112
Ending Sequence No. LR113

Question No.: OPUC 1-12

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Ms. Raeder, page 3. Please provide copies of each of Entergy's Long-Term Incentive Programs for each of the years 2018, 2019, 2020 and 2021.

Response:

Information included in the response contains highly sensitive protected ("highly sensitive") materials. Specifically, the responsive materials are protected pursuant to Texas Government Code Sections 552.101 and/or 552.110. Highly sensitive materials will be provided pursuant to the terms of the Protective Order in this docket.

Please see the highly sensitive attachments (TP-53719-00OPC001-X012-001_HSPM through TP-53719-00OPC001-X012-012_HSPM). Highly sensitive materials have been included on the secure ShareFile site provided to the parties that have executed protective order certifications in this proceeding.

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Counsel for ETI has reviewed this information sufficiently to state in good faith that the information is exempt from public disclosure under the Public Information Act and merits the Protected Materials Designation.

Kristen F. Yates
Entergy Services, LLC.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests

Prepared By: Jessica B. Little
Sponsoring Witnesses: Allison P. Lofton,
Jennifer A. Raeder

of Requesting Party: Office of Public Utility
Counsel

Beginning Sequence No. LR229
Ending Sequence No. LR229

Question No.: OPUC 1-13

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Ms. Lofton, pages 22-23. Please confirm or deny that Ms. Lofton took into consideration the performance metrics required to fund the annual incentive compensation plans when developing her recommended adjustment to remove financially based incentive compensation costs. If deny, please provide a detailed explanation of why such consideration was not given to the performance metrics required for funding any annual incentive compensation plan. If confirm, please provide the detailed computations that demonstrate removal of such financially based incentive compensation awards.

Response:

Deny. See the Direct Testimony of Jennifer A. Raeder page 14 (Q24), and pages 31-34 (Q47-Q50), for a discussion of the Company's position on the disallowance of annual incentive compensation expense based on the incorporation of a financially based funding metric in the formula used to determine the annual incentive compensation pool.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Brad Fleming
Sponsoring Witness: Allison P. Lofton
Beginning Sequence No. LR230
Ending Sequence No. LR230

Question No.: OPUC 1-14

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Ms. Lofton, pages 22-23. Please provide a schedule that shows the adjustment to plant in service to remove all financially based incentive compensation by year for each of the years since Docket No. 39896. Please provide this information by FERC account. Also, please provide all underlying workpapers which show the calculation of the adjustment by year.

Response:

Entergy Texas, Inc. ("ETI") has filed an objection to this request.

However, subject to and without waiving its objection, please see attachment (TP-53719-00OPC001-X014) which provides the requested information for the period January 1, 2018 through December 31, 2021. The portion of incentive compensation that is deemed financially based is removed from plant in service and is reflected in the plant in service balance as of December 31, 2021 in Schedule P.

Year	General Ledger Account ¹	Financially based Incentive Compensation removed from ETI's books
2018	253101	(1,005,875)
2018	253106	(677,746)
2019	1010AM	(1,123,262)
2019	106000	(582,946)
2020	1010AM	(830,752)
2020	106ECC	(111)
2021	1010AM	(849,793)
2021	1010CC	(124)
2021	106000	(142,584)
2021	106ECC	(81)

¹Prior to 2019, the disallowed portion of financially-based incentive compensation in plant in service was recorded to a specific resource code within the General Ledger. Beginning in 2019, the disallowed portion in plant in service is recorded to a specific resource code within the General Ledger.

recorded to contra accounts 253101, 253106.

Disallowed Incentive Calculation 2018-2021

Period	ESL Total Incentive Compensation Amount	ESL Financially Based Incentive Amount	ESL Percentage Disallowed (Financially Based/Total)
1/2018-4/2018	58,480,870.81	6,241,855.62	10.67%
5/2018-3/2019	68,840,363.36	5,130,202.00	7.45%
4/2019-3/2020	70,462,858.76	3,299,154.00	4.68%
4/2020-3/2021	89,531,656.86	3,928,981.00	4.39%
4/1/2021-12/2021	86,334,463.31	6,327,594.00	7.33%

Note:

ESL Incentive Compensation is calculated on ESL payroll and billed to affiliates based on the billing method on the project code associated with the payroll transactions. The portion that is billed to ETI is then adjusted based on the calculated percentage disallowed. The result of that calculation is the portion that is removed from ETI's plant in service amount.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: David C. Batten
Sponsoring Witness: David C. Batten
Beginning Sequence No. LR231
Ending Sequence No. LR231

Question No.: OPUC 1-15

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Mr. David C. Batten, page 4. Please confirm or deny that the requested reserve for pension and Other Post-Employment Benefits ("OPEB") expense includes non-qualified pension expense. If confirm, provide a detailed explanation of how the request complies with recent Commission decisions concerning the regulatory treatment of non-qualified pension expense. Also, please provide the detailed computation of the requested reserve by each type of qualified pension expense, non- qualified pension expense and OPEB expense.

Response:

Confirm. Entergy Texas, Inc.'s ("ETI") reserve for pension and other post-employment benefits ("OPEB") expenses excludes the non-qualified supplemental benefit plan expense, consistent with the Commission's final order issued in Docket No. 39896. All other types of non-qualified pension expense are included in the reserve for pension and OPEB. Please refer to pages 35-36 of the Direct Testimony of Jennifer A. Raeder for an explanation of the different types of Non-Tax-Qualified retirement benefits plans offered by ETI.

Please see the attachment (TP-53719-00OPC001-X015) for the computation of the reserve for each expense type.

[illegible]

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Jessica Little, Lori Toncrey
Sponsoring Witness: Allison P. Lofton
Beginning Sequence No. LR232
Ending Sequence No. LR233

Question No.: OPUC 1-16

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Ms. Lofton, pages 20-21. Please provide copies of the most recent actuarial reports concerning pension, OPEBs, and non-qualified pension plans.

Response:

Information included in the response contains protected (“confidential”) materials. Specifically, the responsive materials are protected pursuant to Texas Government Code Sections 552.101 and/or 552.110. Confidential materials will be provided pursuant to the terms of the Protective Order in this docket.

Please see the confidential attachments (TP-53719-00OPC001-X016-001_CONF through TP-53719-00OPC001-X016-004_CONF) for the 2021 Qualified Pension plan valuations for the plans in which Entergy Texas, Inc. (“ETI”) participates redacted to provide only information specific to ETI.

The 2021 OPEB Valuation Report was provided in Schedule G-2.2.

Please see the confidential attachment (TP-53719-00OPC001-X016-005_CONF) for the 2021 Non-Qualified Valuation Report.

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PARAGRAPH 4 OF DOCKET NO. 53719 PROTECTIVE ORDER**

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Counsel for ETI has reviewed this information sufficiently to state in good faith that the information is exempt from public disclosure under the Public Information Act and merits the Protected Materials Designation.

Kristen F. Yates
Entergy Services, LLC.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Jessica B. Little
Sponsoring Witness: Allison P. Lofton
Beginning Sequence No. LR564
Ending Sequence No. LR565

Question No.: OPUC 1-17

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Ms. Lofton, page 20. With respect to Adjustment 17, please provide all underlying workpapers that show the calculation of this adjustment, the underlying actuarial amounts that were used in the adjustment and a detailed description of why the Company chose to treat OPEBs in this manner. Please include any presentations, emails, and/or other communications concerning this adjustment.

Response:

Information included in the response contains highly sensitive protected (“highly sensitive”) materials. Specifically, the responsive materials are protected pursuant to Texas Government Code Sections 552.101 and/or 552.110. Highly sensitive materials will be provided pursuant to the terms of the Protective Order in this docket.

Please see the highly sensitive attachment (TP-53719-00OPC001-X017-001_HSPM) for all underlying workpapers that show the calculation of adjustment AJ17 ASC 715-60 Defined Benefit Plans—Other Postretirement.

Please see the highly sensitive attachment (TP-53719-00OPC001-X017-002_HSPM) for the underlying AON actuarial amounts that were used in the adjustment.

For an explanation of the Company’s proposed treatment of the other post-employment benefits (“OPEB”) reserve balance, see the Direct Testimony of David C. Batten at page 7 (Q21).

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Kristen F. Yates
Entergy Services, LLC.

ENTERGY TEXAS, INC.
PUBLIC UTILITY COMMISSION OF TEXAS
DOCKET NO. 53719

Response of: Entergy Texas, Inc.
to the First Set of Data Requests
of Requesting Party: Office of Public Utility
Counsel

Prepared By: Jessica B. Little, Lori
Toncrey
Sponsoring Witness: Allison P. Lofton
Beginning Sequence No. LR566
Ending Sequence No. LR567

Question No.: OPUC 1-18

Part No.:

Addendum:

Question:

Please refer to the Direct Testimony of Ms. Lofton, page 13. Please provide a listing of all non-qualified pension plans and the associated expense that was included in the requested test year cost of service. Also, please provide a copy of the most recent actuarial reports associated with each of these non-qualified pension plans.

Response:

Information included in the response contains protected ("confidential") materials. Specifically, the responsive materials are protected pursuant to Texas Government Code Sections 552.101 and/or 552.110. Confidential materials will be provided pursuant to the terms of the Protective Order in this docket.

The following is a description of the non-qualified pension/supplemental retirement plans that ETI participates in:

Pension Equalization Plan – a non-qualified pension restoration plan for a select group of management or highly compensated employees who participate in the Entergy Retirement Plan.

Cash Balance Equalization Plan – a non-qualified restoration plan for a select group of management or highly compensated employees who participate in the Cash Balance Plan.

System Executive Retirement Plan – a non-qualified supplemental retirement plan for individuals who became executive officers before July 1, 2014.

See below for the non-qualified pension plan expenses included in the Company's request. There were no capitalized amounts included.

FERC Account	ETI Direct	Allocated to ETI
926000 - Employee Pension & Benefits	(\$18,020)	\$87,241
926NS1 - ASC 715 NSC - Emp Pens & Ben	\$543,940	\$716,260

Please see the confidential attachment (TP-53719-00OPC001-X018_CONF) for the 2021 Non-Qualified Valuation Report.

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Kristen F. Yates
Entergy Services, LLC.

The following files are not convertible:

2022.xlsx	TP-53719-00OPC001-X001 Simulation
	TP-53719-00OPC001-X014.xlsx
	TP-53719-00OPC011-X015 .xlsx

Please see the ZIP file for this Filing on the PUC Interchange in order to access these files.

Contact centralrecords@puc.texas.gov if you have any questions.