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Item Number - 193

**SOAH DOCKET NO. 473-24-13232
PUC DOCKET NO. 56211**

**APPLICATION OF CENTERPOINT § BEFORE THE STATE OFFICE
ENERGY HOUSTON ELECTRIC, LLC § OF
FOR AUTHORITY TO CHANGE RATES § ADMINISTRATIVE HEARINGS**

May 10, 2024

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**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 56211
SOAH DOCKET NO. 473-24-13232**

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC-RFI03-01**

QUESTION:

Please provide all calculations of the Monte Carlo Simulation showing how you arrived at your conclusions. Please include statistical distribution used in the simulation. Also, please provide all native Microsoft Excel spreadsheets used in the Monte Carlo Simulation.

ANSWER:

For the simulation spreadsheet showing all calculations, see the attached "PUC0-RFI3-01 GSW Monte Carlo.xlsx", which CenterPoint Houston also filed electronically as "GCCC01-01 Attachment GSW-04.xlsx" as part of the voluminous response to Request No. GCCC01-01. The claim count by year is estimated using a Poisson distribution. The amount of each loss is estimated using a Negative Binomial distribution. The parameters used are included in the simulation spreadsheet.

The attachment is voluminous and will be provided in electronic format only.

SPONSOR:

Greg Wilson

RESPONSIVE DOCUMENTS:

PUC-RFI03-01 GSW Monte Carlo.xlsx

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 56211
SOAH DOCKET NO. 473-24-13232**

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC-RFI03-02**

QUESTION:

Please provide all native Microsoft Excel spreadsheets with formulas intact for the trended losses in Exhibit GSW-3 filed with the testimony of Gregory S. Wilson.

ANSWER:

See the attached "PUC-RFI03-02 GSW Exh-3 Exh-4 WP-1.xlsx", which CenterPoint Houston filed electronically as "GCCC01-01 Attachment GSW-03.xlsx" as part of the voluminous response to Request No. GCCC01-01.

SPONSOR:

Greg Wilson

RESPONSIVE DOCUMENTS:

PUC-RFI03-02 GSW Exh-3 Exh-4 WP-1.xlsx

Date of Storm	Trans. & Dist. Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total	Natural Log
1/1/2014		627						
3/4/2014	242,388		629.398	1.358	329,163			12.704307
5/12/2014	537,846		632.066	1.353	727,706			13.4976524
5/26/2014	134,207		632.608	1.352	181,449			12.1087273
5/27/2014	708,232		632.646	1.351	956,821			13.7713718
5/28/2014	321,687		632.685	1.351	434,600			12.9821806
7/1/2014		634				2,629,739		
7/3/2014	189,557		634.163	1.348	255,523			12.4510666
8/11/2014	1,206,606		637.342	1.342	1,619,266			14.2974834
7/4/2014	318,728		634.245	1.348	429,645			12.9707154
7/31/2014	317,050		636.446	1.343	425,798			12.9617195
10/2/2014	184,496		641.582	1.333	245,933			12.4128141
10/6/2014	442,562		641.908	1.332	589,492			13.2870171
1/1/2015		649				3,565,657	6,195,396	
4/16/2015	360,361		649.000	1.317	474,596			13.0702193
4/17/2015	1,625,432		649.000	1.317	2,140,695			14.5766409
4/25/2015	449,119		649.000	1.317	591,490			13.2903999
4/26/2015	759,939		649.000	1.317	1,000,840			13.8163505
5/14/2015	106,161		649.000	1.317	139,814			11.8480649
5/17/2015	158,581		649.000	1.317	208,852			12.2493801
5/24/2015	348,703		649.000	1.317	459,242			13.0373334
5/25/2015	2,379,446		649.000	1.317	3,133,730			14.9577347
5/30/2015	476,656		649.000	1.317	627,756			13.3499071
6/16/2015	424,278		649.000	1.317	558,774			13.2335005
6/30/2015	237,015		649.000	1.317	312,148			12.651234
7/1/2015		649				9,647,937		
8/11/2015	923,053		651.005	1.313	1,211,969			14.0077566
8/19/2015	126,345		651.397	1.313	165,890			12.0190823
8/25/2015	268,189		651.690	1.312	351,863			12.7709981
10/24/2015	884,101		654.625	1.306	1,154,636			13.959296
10/31/2015	473,567		654.967	1.305	618,005			13.3342525
12/13/2015	268,398		657.071	1.301	349,186			12.7633589
12/27/2015	200,029		657.755	1.300	260,038			12.4685837
1/1/2016		658				4,111,587	13,759,524	
2/23/2016	240,489		658.000	1.299	312,395			12.6520231
3/9/2016	332,326		658.000	1.299	431,691			12.9754661
3/24/2016	116,851		658.000	1.299	151,789			11.9302455
4/13/2016	203,109		658.000	1.299	263,838			12.4830913
4/17/2016	1,899,081		658.000	1.299	2,466,906			14.7184751
4/27/2016	585,133		658.000	1.299	760,087			13.5411886
5/9/2016	376,414		658.000	1.299	488,961			13.1000387
5/14/2016	343,950		658.000	1.299	446,790			13.009845
5/21/2016	385,456		658.000	1.299	500,708			13.1237776
5/25/2016	1,325,646		658.000	1.299	1,722,015			14.3590054
6/1/2016	303,792		658.000	1.299	394,626			12.8856948
6/12/2016	341,194		658.000	1.299	443,211			13.0018009
6/18/2016	163,312		658.000	1.299	212,142			12.2650102
6/28/2016	273,999		658.000	1.299	355,925			12.7824745
7/1/2016		658				8,951,084		
7/25/2016	123,853		659.826	1.296	160,514			11.9861354
8/13/2016	362,280		661.272	1.293	468,428			13.0571369
12/17/2016	177,211		670.859	1.274	225,766			12.3272553
1/1/2017		672				854,708	9,805,792	
1/2/2017	200,332		672.066	1.272	254,822			12.4483208
1/22/2017	510,899		673.392	1.270	648,842			13.382945
2/14/2017	302,014		674.917	1.267	382,651			12.8548796
3/24/2017	312,450		677.436	1.262	394,313			12.8848991
3/29/2017	570,562		677.768	1.261	719,479			13.4862829
5/22/2017	206,892		681.348	1.255	259,649			12.4670868
5/23/2017	424,623		681.414	1.255	532,902			13.1860928
6/4/2017	271,005		682.210	1.253	339,569			12.7354315
7/1/2017		684				3,532,227		
7/9/2017	434,516		684.609	1.249	542,710			13.2043302
7/15/2017	498,900		685.065	1.248	622,627			13.3417033
8/7/2017	337,459		686.815	1.245	420,136			12.9483346
10/20/2017	110,215		692.446	1.235	136,115			11.8212556

Date of Storm	Trans. & Dist. Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total	Natural Log
10/22/2017	224,574		692.598	1.234	277,124			12.5322206
1/1/2018		698				1,998,712	5,530,939	
1/11/2018	305,585		698.663	1.224	374,036			12.8321063
1/16/2018	657,911		698.994	1.223	804,626			13.5981325
3/28/2018	573,642		703.702	1.215	696,975			13.4545051
4/3/2018	249,113		704.099	1.214	302,423			12.6195822
4/14/2018	272,335		704.829	1.213	330,342			12.707885
4/22/2018	109,190		705.359	1.212	132,339			11.7931208
5/20/2018	538,612		707.215	1.209	651,182			13.386544
5/26/2018	592,357		707.613	1.208	715,567			13.4808304
7/1/2018		710				4,007,490		
6/3/2018	426,015		706.652	1.210	515,478			13.1528498
6/14/2018	108,478		707.967	1.208	131,042			11.7832707
6/20/2018	111,193		708.685	1.206	134,099			11.8063358
7/3/2018	243,765		710.239	1.204	293,493			12.5896075
7/9/2018	628,624		710.957	1.203	756,235			13.5361068
7/12/2018	147,853		711.315	1.202	177,719			12.0879577
8/8/2018	131,589		714.543	1.197	157,512			11.9672571
8/9/2018	140,099		714.663	1.196	167,558			12.0290845
8/10/2018	101,552		714.783	1.196	121,456			11.7073046
8/21/2018	158,913		716.098	1.194	189,742			12.1534216
9/3/2018	183,002		717.652	1.191	217,956			12.2920469
9/9/2018	292,605		718.370	1.190	348,200			12.7605334
9/22/2018	177,718		719.924	1.188	211,129			12.2602238
9/29/2018	158,301		720.761	1.186	187,745			12.1428387
10/15/2018	104,792		722.674	1.183	123,969			11.7277878
10/31/2018	915,454		724.587	1.180	1,080,236			13.8926902
11/12/2018	135,338		726.022	1.178	159,428			11.9793478
12/7/2018	361,919		729.011	1.173	424,530			12.9587391
12/20/2018	247,838		730.565	1.170	289,971			12.5775362
12/26/2018	167,656		731.283	1.169	195,990			12.1858173
1/1/2019		732				5,883,488	9,890,978	
1/19/2019	467,740		732.199	1.168	546,321			13.2109613
1/23/2019	297,177		732.243	1.168	347,103			12.7573761
2/26/2019	111,727		732.619	1.167	130,386			11.7782536
4/4/2019	171,525		733.028	1.166	199,999			12.2060654
4/7/2019	1,132,780		733.061	1.166	1,320,821			14.093764
4/13/2019	250,782		733.127	1.166	292,411			12.5859171
4/18/2019	534,448		733.182	1.166	623,166			13.3425684
5/3/2019	565,751		733.348	1.166	659,666			13.399489
5/7/2019	1,127,092		733.392	1.166	1,314,189			14.0887306
5/9/2019	2,306,758		733.414	1.166	2,689,679			14.8049325
6/5/2019	288,768		733.713	1.165	336,414			12.7260989
6/6/2019	528,225		733.724	1.165	615,382			13.3299984
6/16/2019	513,194		733.834	1.165	597,871			13.3011302
6/24/2019	368,723		733.923	1.165	429,563			12.9705233
6/25/2019	153,559		733.934	1.165	178,896			12.0945602
7/1/2019		734				10,281,867		
7/11/2019	158,006		735.576	1.162	183,603			12.120532
7/15/2019	134,120		736.207	1.161	155,714			11.955775
7/30/2019	399,118		738.571	1.158	462,178			13.0437057
8/14/2019	498,469		740.935	1.154	575,233			13.262531
8/28/2019	343,095		743.141	1.151	394,902			12.6863933
9/10/2019	106,762		745.190	1.147	122,456			11.7155041
9/17/2019	1,674,012		746.293	1.146	1,918,418			14.4670116
1/1/2020		763				3,812,504	14,094,371	
4/9/2020	540,379		770.615	1.110	599,821			13.3043867
4/12/2020	119,118		770.846	1.109	132,102			11.7913284
4/19/2020	196,520		771.385	1.108	217,744			12.2910748
4/28/2020	101,950		772.077	1.107	112,859			11.6338923
4/29/2020	653,830		772.154	1.107	723,790			13.4922568
5/10/2020	468,668		773.000	1.106	518,347			13.1584001
5/15/2020	646,121		773.385	1.106	714,610			13.479492
5/24/2020	293,611		774.077	1.105	324,440			12.6898557
5/27/2020	1,563,129		774.308	1.104	1,725,694			14.36114
6/3/2020	187,834		774.846	1.103	207,181			12.2413459

Date of Storm	Trans. & Dist. Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total	Natural Log
6/21/2020	112,755	777	776.231	1.101	124,143	6,055,236		11.7291902
6/22/2020	594,465		776.308	1.101	654,505			13.3916352
7/1/2020								
7/11/2020	109,793		776.783	1.101	120,882			11.7025725
7/17/2020	106,341		776.652	1.101	117,082			11.670628
7/21/2020	121,368		776.565	1.101	133,626			11.8027996
7/25/2020	297,557		776.478	1.101	327,611			12.6995809
9/6/2020	108,418		775.543	1.102	119,477			11.690875
9/7/2020	131,810		775.522	1.102	145,254			11.8862401
9/20/2020	878,856		775.239	1.103	969,378			13.7844096
12/13/2020	427,573	773	773.413	1.105	472,469	2,531,587	8,586,823	13.0657264
12/24/2020	113,750		773.174	1.106	125,808			11.7425107
1/1/2021								
1/6/2021	205,718		773.635	1.105	227,319			12.3341076
1/10/2021	162,828		774.144	1.104	179,762			12.0993902
3/14/2021	147,825		782.149	1.093	161,573			11.9927098
3/17/2021	116,312		782.530	1.093	127,130			11.7529616
4/14/2021	149,087		786.088	1.088	162,206			11.9966244
4/23/2021	118,126		787.232	1.086	128,285			11.7620072
4/30/2021	219,082		788.122	1.085	237,704			12.3787804
5/1/2021	416,886	796	788.249	1.085	452,322	6,366,466		13.0221491
5/11/2021	101,279		789.519	1.083	109,685			11.6053672
5/16/2021	1,566,721		790.155	1.082	1,695,192			14.3433063
5/17/2021	149,427		790.282	1.082	161,680			11.9933753
5/24/2021	206,661		791.171	1.081	223,401			12.3167229
5/28/2021	551,009		791.680	1.080	595,089			13.2964669
6/2/2021	491,299		792.315	1.079	530,112			13.1808436
6/13/2021	202,067		793.713	1.077	217,626			12.2905325
6/15/2021	595,557		793.967	1.077	641,415			13.3714317
6/21/2021	302,184		794.729	1.076	325,150			12.6920411
6/28/2021	177,502	855	795.619	1.075	190,815	4,807,757	11,174,223	12.1590589
7/1/2021								
7/9/2021	168,045		798.565	1.071	179,976			12.1005797
7/12/2021	232,940		799.527	1.069	249,013			12.4252593
7/13/2021	318,994		799.848	1.069	341,005			12.7396511
7/14/2021	152,548		800.168	1.069	163,074			12.0019566
7/19/2021	349,097		801.772	1.066	372,138			12.8270192
7/30/2021	223,448		805.299	1.062	237,302			12.3770901
8/14/2021	109,506		810.109	1.055	115,528			11.6572715
8/15/2021	819,454		810.429	1.055	864,524			13.6699343
8/18/2021	181,243	855	811.391	1.054	191,031	5,519,862		12.1601889
10/1/2021	167,998		825.500	1.036	174,046			12.0670753
10/27/2021	360,630		833.837	1.025	369,646			12.8203006
10/28/2021	1,381,698		834.158	1.025	1,416,241			14.1635167
12/11/2021	133,168		848.266	1.008	134,233			11.8073331
1/1/2022								
1/2/2022	150,991		855.000	1.000	150,991			11.9249725
1/8/2022	475,099		855.000	1.000	475,099			13.0712786
1/15/2022	235,489		855.000	1.000	235,489			12.3694196
2/3/2022	502,284		855.000	1.000	502,284			13.1269203
2/17/2022	104,926		855.000	1.000	104,926			11.5610076
3/11/2022	122,000		855.000	1.000	122,000			11.7117776
3/21/2022	235,906		855.000	1.000	235,906			12.3711876
3/22/2022	337,861		855.000	1.000	337,861			12.7303886
4/10/2022	110,592		855.000	1.000	110,592			11.6136069
4/11/2022	158,461		855.000	1.000	158,461			11.9732666
4/12/2022	108,772		855.000	1.000	108,772			11.5970062
4/25/2022	457,848		855.000	1.000	457,848			13.034293
5/2/2022	144,966		855.000	1.000	144,966			11.8842562
5/5/2022	404,571		855.000	1.000	404,571			12.9105833
5/21/2022	783,835		855.000	1.000	783,835			13.5719544
5/24/2022	234,842		855.000	1.000	234,842			12.3666664
5/25/2022	614,550		855.000	1.000	614,550			13.3286463
6/19/2022	336,869	855	855.000	1.000	336,869	5,519,862		12.7274479
7/1/2022								
7/1/2022	136,360		855.000	1.000	136,360			11.8230556

Date of Storm	Trans. & Dist. Gross Loss	Handy-Whitman Index	Interpolated Index	Trend Factor	Trended Loss	Semi-Annual Total	Annual Total	Natural Log
7/9/2022	797,951		855.000	1.000	797,951			13.5898019
7/14/2022	378,776		855.000	1.000	378,776			12.8447014
8/10/2022	1,118,494		855.000	1.000	1,118,494			13.9274941
8/18/2022	910,969		855.000	1.000	910,969			13.7222642
8/29/2022	294,346		855.000	1.000	294,346			12.5925096
8/31/2022	141,899		855.000	1.000	141,899			11.8628719
9/7/2022	246,656		855.000	1.000	246,656			12.4157492
9/15/2022	129,267		855.000	1.000	129,267			11.7696351
10/24/2022	565,387		855.000	1.000	565,387			13.245266
10/28/2022	218,288		855.000	1.000	218,288			12.2935699
11/4/2022	237,255		855.000	1.000	237,255			12.376891
12/22/2022	860,732		855.000	1.000	860,732			13.6655379
1/1/2023		855				6,036,380	11,556,242	
1/7/2023	173,993		855.000	1.000	173,993			12.0667724
1/24/2023	6,318,512		855.000	1.000	6,318,512			15.6589943
3/16/2023	397,182		855.000	1.000	397,182			12.892149
4/5/2023	582,672		855.000	1.000	582,672			13.2753798
4/20/2023	1,375,170		855.000	1.000	1,375,170			14.1340882
5/8/2023	277,952		855.000	1.000	277,952			12.5352035
5/13/2023	794,012		855.000	1.000	794,012			13.5848539
6/8/2023	2,120,348		855.000	1.000	2,120,348			14.5670906
6/21/2023	8,245,620		855.000	1.000	8,245,620			15.9251927
7/1/2023		855				20,285,461		
8/24/2023	295,409		855.000	1.000	295,409			12.5961157
8/27/2023	519,568		855.000	1.000	519,568			13.1607529
9/8/2023	201,132		855.000	1.000	201,132			12.2117165
9/14/2023	923,713		855.000	1.000	923,713			13.7361569
10/3/2023	551,054		855.000	1.000	551,054			13.2195874
9/25/2023	211,327		855.000	1.000	211,327			12.26116
10/22/2023	528,919		855.000	1.000	528,919			13.1785901
10/29/2023	304,205		855.000	1.000	304,205			12.625456
11/1/2023	287,383		855.000	1.000	287,383			12.5685701
11/8/2023	357,411		855.000	1.000	357,411			12.786643
11/12/2023	419,248		855.000	1.000	419,248			12.9462184
11/16/2023	483,656		855.000	1.000	483,656			13.0891298
11/22/2023	366,592		855.000	1.000	366,592			12.812005
1/1/2024		855				5,449,617	25,735,078	
Total	98,313,411				116,329,366	116,329,366	116,329,366	
Average							25,850,970	
Total Number of Claims						214		
Number of Years						10.0		
Average per year						21.400		

CenterPoint Houston
Major Property Damage
Adjusted to Current Cost Levels
2005-2018

<u>Year</u>	<u>Actual Loss</u>	<u>Trended Loss</u>
2014	4,603,359	6,195,396
2015	10,469,375	13,759,524
2016	7,554,093	9,805,792
2017	4,404,440	5,530,939
2018	8,241,448	9,890,978
2019	12,131,831	14,094,371
2020	7,773,846	8,586,823
2021	10,478,340	11,174,223
2022	11,556,242	11,556,242
2023	25,735,077	25,735,078
Total	102,948,051	116,329,366

CenterPoint Houston
Example of Loss Trending Methodology

1)	Date of Loss	16-May-21
2)	Amount of Loss	\$1,566,721
3)	Handy-Whitman Index - Electric Utility Construction South Central Region - Distribution Plant	
	a) January, 2021	773
	b) July, 2021	796
	c) May 16, 2021	790.155
	d) September, 2023	855
4)	Trend Factor (3d) / (3c)	1.082
5)	Cost-Adjusted Losses (2) x (4)	\$1,695,192

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 56211
SOAH DOCKET NO. 473-24-13232**

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC-RFI03-03**

QUESTION:

Please provide simple descriptions (thunderstorms, lightning, wind & rain, etc.) for the storms listed in WP GSW-1 filed with the testimony of Gregory S. Wilson.

ANSWER:

The items listed in GSW-1 generally include historic losses charges to CenterPoint Houston's property reserve. The losses charged to the reserve are primarily attributed to weather events, but may also include losses covered by non-storm events as allowed under CenterPoint Houston's property reserve.

CenterPoint Houston does not document weather associated with every loss charged to the Property Reserve. See attached file PUC-RFI03-03 reserve weather descriptions.xlsx for weather descriptions for each event listed. Weather descriptions have been taken from outage reports where applicable and supplemented with publicly available weather data.

SPONSOR:

Deryl Tumlinson

RESPONSIVE DOCUMENTS:

PUC-RFI03-03 reserve weather descriptions.xlsx

Weather Descriptions for CEHE Property Insurance Reserve Events

Date of Storm/Index	Trans. & Dist. Gross Loss	Weather Description
3/4/2014	242,388	Rain with pockets of freezing rain and light thunderstorms developed over the CNP area throughout the morning and the afternoon.
5/12/2014	537,846	Showers and thunderstorms moved in from the northwest and traveled across the CNP area throughout the morning bringing heavy rainfall and lightning.
5/26/2014	134,207	A broken line of thunderstorm with lightning, heavy rainfall, and gusty wind moved east across the CNP area through the late evening.
5/27/2014	708,232	Severe thunderstorms moved into the CNP from the northwest and from the east bringing frequent lightning and heavy rainfall throughout the day.
5/28/2014	321,687	A line of showers and thunderstorms moved in from the northeast and swept across the CNP area to the coast throughout the morning.
7/3/2014	189,557	Several outflowing boundaries interfaced with the sea breeze to produce strong thunderstorms throughout the CNP region into the evening.
7/4/2014	318,728	Two clusters of thunderstorms moved through the CNP region throughout the night bringing heavy rainfall and frequent lightning.
7/31/2014	317,050	A line of strong thunderstorms pushed across the CNP region from the northwest bringing frequent lightning.
8/11/2014	1,206,606	A cold front pushed into the Fort Bend County area and across the CNP region which produced strong thunderstorms with frequent lightning, strong wind gusts and heavy downpours.
10/2/2014	184,496	A strong line of thunderstorms associated with a cold front pushed in from the northwest and across the CNP region with frequent lightning and strong wind gusts.
10/6/2014	442,562	One storm front moved south from Montgomery county, while a second line of storms from the south passed northeast through the CNP region with frequent lightning, heavy rainfall and strong wind gusts.
4/16/2015	360,361	The combination of passing disturbances and increasing moisture levels produced numerous scattered thunderstorms across the CNP region with frequent lightning and strong winds.
4/17/2015	1,625,432	An approaching cold front was the focus for development of very severe thunderstorms across the CNP region with frequent lightning, flooding, hail, and strong wind gusts.
4/25/2015	449,119	An upper level disturbance generated strong thunderstorms across the CNP region with frequent lightning and strong winds.
4/26/2015	759,939	Thunderstorms moved across the CNP region with frequent lightning and strong winds.
5/14/2015	106,161	A moist, unstable air mass combined with daytime heating to produce scattered thunderstorms across the CNP region during the afternoon with frequent lightning, strong winds, and heavy rainfall.
5/17/2015	158,581	A line of showers and thunderstorms moved eastward across the CNP throughout the day with frequent lightning and heavy rainfall.
5/24/2015	348,703	A strong storm system interacted with elevated moisture and instability across the area to produce thunderstorms that moved northeastward across the CNP area and produced frequent lightning, strong wind gusts and heavy rainfall.

Weather Descriptions for CEHE Property Insurance Reserve Events

Date of Storm/Index	Trans. & Dist. Gross Loss	Weather Description
5/25/2015	2,379,446	A very strong line of thunderstorms moved into the CNP area from the northwest and slowly moved southeast producing strong wind gust, frequent lightning, flash flooding due to saturated grounds and causing numerous scattered storms to develop ahead of and behind the storm line.
5/30/2015	476,656	A cold front from the north met with a sea breeze from the south causing showers and thunderstorms to develop across the CNP area producing strong wind gust, frequent lightning, and heavy rainfall.
6/16/2015	424,278	As Tropical Storm Bill made landfall and pushed inland it brought heavy rain and thunderstorms across the CNP area throughout the night producing frequent lightning and strong winds.
6/30/2015	237,015	Instability moved into the CNP area causing isolated strong storms to develop with heavy rainfall, frequent lightning and strong wind gusts.
8/11/2015	923,053	A band of showers and storms moved in from the north across the CNP area to meet a sea breeze from the Gulf which combine to cause severe thunderstorms, lightning and strong wind gusts.
8/19/2015	126,345	Daytime heating and moisture streaming in from the western Gulf produced thunderstorms across the CNP area during the afternoon hours with lightning and strong wind gusts.
8/25/2015	268,189	A slow moving cold front moved into the CNP region which caused showers and thunderstorms to develop with lightning and strong wind gusts through the evening.
10/24/2015	884,101	A weak frontal boundary sagged southward and interacted with deep tropical moisture, including remnants of Hurricane Patricia. Then an area of low pressure developed and moved towards the CNP region. This activity caused an extended period of storms to develop across the CNP region with strong winds, heavy rainfall, and flooding.
10/31/2015	473,567	Instability in the area allowed 2 storm fronts to move into the CNP area. Widely scattered strong thunderstorms and showers developed to the southeast and while the second storm moved into the area from the west. These storms caused tornadoes, strong wind gusts, frequent lightning and flooding.
12/13/2015	268,398	A cold front moved into the CNP region causing showers and thunderstorms to develop throughout the day with heavy rain and strong wind gusts.
12/27/2015	200,029	A strong cold front moved into the CNP region causing showers and thunderstorms to develop throughout the day with heavy rain and strong wind gusts.
2/23/2016	240,489	A strong cold front moved into the CNP region causing storms and strong winds to develop throughout the night with heavy rain.
3/9/2016	332,326	An outflow boundary from the north pushed across the CNP region with cooler temperatures causing rain and lightning throughout the morning.
3/24/2016	116,851	Thunderstorms developed as a cold front pushed across the CNP region causing heavy rain, lightning and strong winds throughout the morning.
4/13/2016	203,109	Thunderstorms developed as an upper level trough of low pressure pushed eastward across the CNP region and interacted with a stalled frontal boundary causing heavy rain, lightning, hail, and strong winds throughout the early morning hours.

Weather Descriptions for CEHE Property Insurance Reserve Events

Date of Storm/Index	Trans. & Dist. Gross Loss	Weather Description
4/17/2016	1,899,081	Thunderstorms developed as elevated moisture levels interacted with a potent storm system pushing eastward across the CNP region causing heavy rain, lightning, strong winds, and flooding during the late night of April 17 and throughout the next day. Additional outages and restoration efforts continued until the morning of April 20th.
4/27/2016	585,133	Strong thunderstorms pushed quickly across the CNP region with strong winds, heavy rain, lightning, and isolated tornadoes during the early morning hours.
5/9/2016	376,414	Daytime heating and an approaching trough caused storms to develop and move north across the CNP region bringing strong wind and thunderstorms.
5/14/2016	343,950	Daytime heating interacted with an approaching cold front and caused storms to develop across the CNP region bringing heavy rain and lightning.
5/21/2016	385,456	Increased moisture levels and daytime heating caused widespread showers and thunderstorms to develop across the CNP region bringing frequent lightning and heavy rainfall.
5/25/2016	1,325,646	A combination of storms that were produced by instability to the northwest and a line of storms that moved in from the northeast traveled across the CNP region throughout the day bringing frequent lightning and heavy rainfall.
6/1/2016	303,792	A slow moving upper level low moved into the CNP region and caused instability which produced strong thunderstorms with frequent lightning and heavy rainfall.
6/12/2016	341,194	A sea breeze front and warm temperatures combined to cause storms to develop along the coast and move into the CNP region with frequent lightning and heavy rainfall.
6/18/2016	163,312	Isolated storms developed in the southern CNP region along the sea breeze and produced frequent lightning and heavy rainfall and wind gusts.
6/28/2016	273,999	Daytime heating combined with boundaries in the southern portion of the CNP region to produce thunderstorms which moved across the area with frequent lightning, heavy rainfall, and wind gusts.
7/25/2016	123,853	Thunderstorm
8/13/2016	362,280	A weak frontal boundary stalled in the north of the area and interacted with abundant low level tropical moisture causing showers and thunderstorms to develop across the CNP region with frequent lightning, heavy rainfall and strong wind gusts.
12/17/2016	177,211	A cold front pushed south across the CNP region causing isolated showers and storms with strong gusty winds.
1/2/2017	200,332	A strong disturbance caused severe thunderstorms to develop across the CNP region with heavy rainfall, lightning and strong gusty winds.
1/22/2017	510,899	Strong gusty winds occurred across the CNP area causing significant outages.
2/14/2017	302,014	Scattered thunderstorms developed and pushed east across the CNP area throughout the day causing tornadoes to develop in the Fort Bend area as well as heavy rainfall and frequent lightning across the system.
3/24/2017	312,450	Scattered thunderstorms pushed eastward across the CNP area throughout the night causing heavy rainfall and frequent lightning across the system.
3/29/2017	570,562	Thunderstorms developed along a slow eastward moving outflow boundary and pushed across the CNP area throughout the day causing heavy rainfall, frequent lightning and strong winds.

Weather Descriptions for CEHE Property Insurance Reserve Events

Date of Storm/Index	Trans. & Dist. Gross Loss	Weather Description
5/22/2017	206,892	Numerous showers and thunderstorms developed across the CNP area as a disturbance interacted with a stalled frontal boundary and elevated moisture levels caused frequent lightning and heavy rainfall.
5/23/2017	424,623	Strong heating in the afternoon caused increased instability which combined with favorable winds that formed strong thunderstorms in the southeast portion of the CNP area and developed strong wind gusts, frequent lightning and heavy rainfall.
6/4/2017	271,005	Thunderstorm
7/9/2017	434,516	Showers and thunderstorms developed across the CNP area which produced frequent lightning and heavy showers.
7/15/2017	498,900	Daytime heating interacted with elevated moisture levels and a weak disturbance to cause scattered thunderstorms to develop across the CNP area which produced frequent lightning, strong wind gusts and heavy showers.
8/7/2017	337,459	The combination of daytime heating and an approaching disturbance caused thunderstorms to develop across the CNP area with frequent light and heavy rainfall.
10/20/2017	110,215	Elevated moisture levels interacted with a disturbance causing scattered showers and thunderstorms to develop across the CNP area bringing heavy rain, lightning and strong wind gusts.
10/22/2017	224,574	Showers and thunderstorms pushed southward across the CNP area with strong winds and frequent lightning.
1/11/2018	305,585	An upper-level disturbance and associated cold front pushed across the region bringing showers and thunderstorms. There were strong winds and lightning strikes accompanied with the storm.
1/16/2018	657,911	A strong Arctic cold front pushed across the CNP region Tuesday morning bringing severe cold temperatures, freezing rain, sleet, and snow in the morning and afternoon hours. Many roads iced over and did not thaw until midday Wednesday.
3/28/2018	573,642	Several low-pressure disturbances ahead of an approaching cold front pushed across the region bringing thunderstorms with strong winds, heavy rain, flooding, and lightning
4/3/2018	249,113	A low-pressure disturbance and then a cold front pushed across the region bringing severe thunderstorms with strong winds, heavy rain, and frequent lightning.
4/14/2018	272,335	A cold front pushed across the region combining with ample atmospheric instability to bring severe thunderstorms with strong winds, heavy rain, and frequent lightning.
4/22/2018	109,190	Thunderstorm
5/20/2018	538,612	Scattered showers and storms developed across the northern portions of the CNP region in the afternoon. Then a line of showers and thunderstorms pushed across the entire CNP region. These storms produced frequent lightning, heavy rain, and strong winds
5/26/2018	592,357	Daytime heating interacting with high moisture levels produced a band of strong to severe thunderstorms across the southwest territory. The storm produced strong damaging wind gusts and frequent lightning.
6/3/2018	426,015	A severe thunderstorm tracked across the southwest territory producing strong winds gusts up to 50-60 mph and frequent lightning strikes.

Weather Descriptions for CEHE Property Insurance Reserve Events

Date of Storm/Index	Trans. & Dist. Gross Loss	Weather Description
6/14/2018	108,478	Scattered shower and thunderstorms developed across the region producing frequent lightning and gusty winds
6/20/2018	111,193	Scattered showers and thunderstorms developed across the region as a disturbance slowly tracked southwest of the area producing heavy rain, occasional lightning, and gusty winds
7/3/2018	243,765	An atmospheric disturbance produced thunderstorms with heavy rain, flooding, gusty winds and lightning
7/9/2018	628,624	Scattered showers and thunderstorms moved across the region with heavy rain, gusty winds, and lightning
7/12/2018	147,853	Scattered thunderstorms developed in the CNP area producing strong winds and lightning
8/8/2018	131,589	Scattered thunderstorms developed across northeastward service territory, producing frequent lightning and strong winds.
8/9/2018	140,099	Wind (≥ 20 mph)
8/10/2018	101,552	A stalled frontal boundary combined with daytime heating and ample moisture to produce several thunderstorms with gusty winds and lightning
8/21/2018	158,913	Atmospheric instability in the area produced isolated thunderstorms with wind and lightning
9/3/2018	183,002	A passing disturbance combined with ample moisture to generate afternoon thunderstorms that moved across the CNP area from the east and produced gusty winds, frequent lightning, and heavy rain
9/9/2018	292,605	A stalled front moved slowly into the CNP area and interacted with tropical moisture to produce afternoon showers and thunderstorms with heavy rain and frequent lightning
9/22/2018	177,718	A surge of moisture from the Gulf interacted with a stalled frontal boundary north of the region to produce thunderstorms with heavy rain, gusty winds, and frequent lightning
9/29/2018	158,301	Thunderstorm
10/15/2018	104,792	Moderate instability ahead of an approaching cold front produced a few isolated thunderstorms with wind and lightning
10/31/2018	915,454	Several waves of strong thunderstorms developed as a cold front moved through the CNP area producing gusty winds, frequent lightning, and heavy rain
11/12/2018	135,338	Wind (≥ 30 mph)
12/7/2018	361,919	A disturbance ahead of an approaching cold front generated several waves of strong thunderstorms that moved through the CNP area producing gusty winds, frequent lightning, heavy rain, and flooding
12/20/2018	247,838	Wind (≥ 40 mph)
12/26/2018	167,656	A disturbance and then a cold front pushed across the CNP region bringing severe thunderstorms with strong winds, heavy rain, and frequent lightning.
1/19/2019	467,740	A strong cold front swept through the CNP region producing a line of thunderstorms and then very gusty winds as high pressure moved into the area
1/23/2019	297,177	A strong cold front pushed across the CNP region bringing thunderstorms, rain, lightning, and strong winds
2/26/2019	111,727	Thunderstorm
4/4/2019	171,525	A cold front pushed across the CNP region bringing scattered rain, lightning, and strong winds.

Weather Descriptions for CEHE Property Insurance Reserve Events

Date of Storm/Index	Trans. & Dist. Gross Loss	Weather Description
4/7/2019	1,132,780	A strong, fast-moving disturbance pushed across the CNP area from the southwest producing dangerous thunderstorms with tornados, strong damaging winds, lightning, and heavy rain
4/13/2019	250,782	A cold front pushed across the CNP region and produced strong, gusty winds during the evening and overnight hours
4/18/2019	534,448	An upper-level disturbance generated a line of showers and thunderstorms that moved across the CNP area in the early morning producing lightning, strong winds, and rain
5/3/2019	565,751	Daytime heating, several disturbances, multiple outflow boundaries, and a cold front combined to produce two waves of severe thunderstorms in the afternoon and overnight hours with lightning, strong winds, and heavy rains.
5/7/2019	1,127,092	A series of disturbances combined with a very moist and moderately unstable atmosphere to produce scattered strong thunderstorms with torrential rainfall, flooding, strong winds, and frequent intense lightning
5/9/2019	2,306,758	A stalled cold front combined with high instability, deep tropical moisture, and several disturbances producing strong thunderstorms that trained across the CNP area with damaging wind gusts, frequent cloud-to-ground lightning, heavy rainfall, and flooding
6/5/2019	288,768	Remnants of a tropical disturbance moved across the CNP region during the daytime hours producing thunderstorms with locally heavy rain, occasional lightning, strong wind gusts, and flooding
6/6/2019	528,225	A cluster of storms tracked southeastward over the southern part of the CNP region during the early evening hours with isolated damaging winds, frequent lightning, and heavy rain
6/16/2019	513,194	Daytime heating, atmospheric disturbances, and instability combined to produce two waves of showers and thunderstorms in the afternoon and overnight hours with lightning, strong winds, and heavy rains
6/24/2019	368,723	Widespread showers and thunderstorms tracked across the CNP region during the morning hours with heavy rain, gusty winds, and severe lightning
6/25/2019	153,559	Showers and thunderstorms pushed northward along the coast affecting mainly the southeast portion of the CNP region during the morning hours with rain, winds, and lightning.
7/11/2019	158,006	Wind (≥ 20 mph)
7/15/2019	134,120	Wind (≥ 30 mph)
7/30/2019	399,118	An upper-level disturbance interacting with high moisture levels and daytime heating pushed southwestward across the CNP region during the afternoon and evening hours bringing strong thunderstorms with rain, lightning, and gusty winds
8/14/2019	498,469	A frontal boundary interacting with extreme daytime heating moved south-southwestward across the CNP region during the late afternoon and evening hours bringing strong scattered thunderstorms with heavy rain, frequent lightning, and gusty winds.
8/28/2019	343,095	A frontal system interacting with daytime heating moved across the CNP region during late afternoon bringing scattered thunderstorms, heavy rain and frequent lightning.
9/10/2019	106,762	Thunderstorm

Weather Descriptions for CEHE Property Insurance Reserve Events

Date of Storm/Index	Trans. & Dist. Gross Loss	Weather Description
9/17/2019	1,674,012	Tropical Storm Imelda formed quickly off the upper Texas coast on Tuesday and initially moved slowly northward over the CNP area with torrential rain, flooding, strong winds, and lightning. An outer band of severe rain developed on Thursday with additional torrential rain, severe flooding, strong winds and intense cloud-to-ground lightning
4/9/2020	540,379	A strong disturbance moved across northern portions of the CNP area producing thunderstorms with strong winds, lightning, and heavy rain during the evening hours
4/12/2020	119,118	Wind (≥ 30 mph)
4/19/2020	196,520	A disturbance moved across the northern portions of the CNP area producing strong thunderstorms with lightning, strong winds, and rain
4/28/2020	101,950	Thunderstorm
4/29/2020	653,830	A strong squall line and its associated cold front pushed through the CNP region with very strong, gusty winds, frequent lightning, and heavy rain during the early morning hours
5/10/2020	468,668	Wind (≥ 20 mph)
5/15/2020	646,121	Daytime heating, elevated moisture levels, and instability combined to produce scattered showers and thunderstorms Friday afternoon and evening with frequent lightning, strong gusty winds, and heavy rainfall. The storms tracked from the east and were heaviest south and west of downtown Houston. Then a strong upper-level disturbance from the west pushed a line of severe thunderstorms into the area early Saturday morning with frequent lightning, strong damaging winds gusting up to 60 mph, and heavy downpours
5/24/2020	293,611	Daytime heating interacted with an approaching disturbance to produce showers and thunderstorms Sunday afternoon and evening with gusty winds, frequent lightning and locally heavy rainfall. Activity was primarily located in the northern and northwestern parts of the CNP area. Then a complex of showers and thunderstorms developed over central Texas and pushed into the western portions of the CNP footprint early Monday morning with rain, gusty winds and frequent lightning.
5/27/2020	1,563,129	An upper-level disturbance combined with daytime heating and an unstable environment to produce severe thunderstorms that pushed southeastward through the CNP area Wednesday afternoon with severe wind gusts, frequent lightning, and heavy rainfall
6/3/2020	187,834	Daytime heating and high moisture levels combined to produce scattered showers and thunderstorms during the afternoon of June 3rd with lightning, winds, and rain. Activity pushed inland from the Gulf and primarily hit the southwest and north regions of the CNP area.
6/21/2020	112,755	Thunderstorm
6/22/2020	594,465	Elevated moisture levels combined with a passing disturbance to produce a slow moving line of severe thunderstorms Monday morning and afternoon with frequent lightning, strong gusty winds, and heavy rainfall. Activity sagged southeastward across the region with the central and southern parts of the CNP area being hit the hardest.
7/11/2020	109,793	Wind (≥ 20 mph)

Weather Descriptions for CEHE Property Insurance Reserve Events

Date of Storm/Index	Trans. & Dist. Gross Loss	Weather Description
7/17/2020	106,341	Showers and thunderstorms associated with a surge of tropical moisture pushed inland Friday morning producing a few storms and gusty winds throughout the CNP service area. Activity became more isolated and widely scattered as the system moved north.
7/21/2020	121,368	Widespread showers and a few thunderstorms persist over the southern portions of the CNP service area Tuesday morning, bringing some heavy rainfall and occasional lightning
7/25/2020	297,557	On Saturday afternoon showers and thunderstorms associated with the outer bands of Hurricane Hanna impacted mostly the southern portions of the service area producing heavy rainfall, occasional lightning, and wind gusts up to 30 mph
9/6/2020	108,418	The combination of daytime heating and elevated moisture levels brought isolated showers and thunderstorms across the service area Sunday evening
9/7/2020	131,810	An approaching cold front brought widely scattered showers and thunderstorms across the CNP service footprint Monday afternoon with some of the stronger cells producing frequent lightning
9/20/2020	878,856	Rain and a few thunderstorms pushed through the southern portion of the CNP service area on Tuesday as Tropical Storm Beta passed through the area.
12/13/2020	427,573	A strong cold front and upper level storm system pushed through the CNP area bringing severe thunderstorms, strong winds and occasional lightning
12/24/2020	113,750	Wind (≥ 30 mph)
1/6/2021	205,718	A line of thunderstorms developed ahead of a cold front from the northwest on Sunday afternoon. With it came widespread wind gusts, heavy rainfall and occasional lightning
1/10/2021	162,828	Wind (≥ 30 mph)
3/14/2021	147,825	Wind (≥ 30 mph)
3/17/2021	116,312	Thunderstorm
4/14/2021	149,087	Thunderstorm
4/23/2021	118,126	Thunderstorm
4/30/2021	219,082	A slow-moving frontal system brought showers & thunderstorms throughout the service area on Friday morning through the afternoon
5/1/2021	416,886	A slow-moving frontal system brought showers & thunderstorms throughout the service area on Friday morning through the afternoon
5/11/2021	101,279	Showers and thunderstorms developed along a stalled frontal boundary to the northwest of Houston. Storms gradually moved toward the coast bringing strong winds and frequent lightning across the CNP footprint
5/16/2021	1,566,721	Thunderstorm
5/17/2021	149,427	A series of disturbances moved across the CNP service area throughout the afternoon bringing storms that produced lightning, strong wind gusts and heavy rainfall.
5/24/2021	206,661	Showers with a few embedded thunderstorms streamed northward out of the Gulf of Mexico in the morning & afternoon bringing occasional lightning and brief heavy rainfall to the already saturated CNP service area.
5/28/2021	551,009	Thunderstorms developed in the evening of May 28 as several disturbances pushed through the CNP region from the northwest causing strong winds, frequent lightning, hail and locally heavy rainfall that continued through the next day

Weather Descriptions for CEHE Property Insurance Reserve Events

Date of Storm/Index	Trans. & Dist. Gross Loss	Weather Description
6/2/2021	491,299	A combination of daytime heating, elevated moisture levels and a weak frontal boundary brought scattered showers and thunderstorms with strong wind gusts and frequent cloud-to-ground lightning across the region Wednesday evening. During restoration efforts on Thursday a disturbance interacted with daytime heating and elevated moisture levels to produce a few stronger storms in the afternoon
6/13/2021	202,067	Wind (≥ 20 mph)
6/15/2021	595,557	Daytime heating interacted with slightly elevated moisture levels creating widely scattered showers and thunderstorms throughout the CNP footprint
6/21/2021	302,184	Scattered showers and thunderstorms developed and moved southward on Tuesday morning ahead of a weak cold front. The storms brought frequent cloud-to-ground lightning and gusty winds
6/28/2021	177,502	Thunderstorm
7/9/2021	168,045	Tropical moisture interacted with a slow-moving disturbance early Friday morning bringing scattered showers and occasional lightning. The pattern continued throughout the day
7/12/2021	232,940	A line of storms passed through the CNP territory on Monday afternoon producing high winds and frequent lightning
7/13/2021	318,994	The combination of daytime heating and elevated moisture levels led to scattered showers and thunderstorms in the afternoon. These storms produced occasional lightning, high winds and heavy rainfall
7/14/2021	152,548	Thunderstorm
7/19/2021	349,097	Daytime heating interacted with increased moisture levels which produced thunderstorms that pushed through the service area in the evening of the 19th and brought lightning and heavy downpours.
7/30/2021	223,448	A weak front met with warm and humid conditions which produced showers and storms with occasional to frequent lightning, gusty winds, and brief heavy rainfall.
8/14/2021	109,506	Not Severe
8/15/2021	819,454	Daytime heating interacted with elevated moisture levels producing scattered showers and storms across the territory. A few stronger storms produced frequent lightning, strong wind gusts and heavy rainfall
8/18/2021	181,243	Once again daytime heating interacted with elevated moisture levels producing more scattered showers and thunderstorms some of which were strong. These storms again produced frequent lightning, brief strong wind gusts, and locally heavy rainfall across the service territory
10/1/2021	167,998	A line of showers with some embedded thunderstorms pushed eastward across the CNP footprint and brought moderate rain and gusty winds.
10/27/2021	360,630	A cold front pushed through the CNP footprint on Wednesday which brought a line of thunderstorms with some strong storms, damaging wind gusts and frequent lightning.
10/28/2021	1,381,698	Beginning mid-morning on Thursday, October 28th, CEHE began experiencing high winds sustained at 30-35mph with gusts up to 50mph impacting the distribution system in the Houston area. The winds began to subside slightly around 6:00PM Thursday evening, but picked back up again Friday morning, however at somewhat a lower speed.
12/11/2021	133,168	Wind (≥ 30 mph)

Weather Descriptions for CEHE Property Insurance Reserve Events

Date of Storm/Index	Trans. & Dist. Gross Loss	Weather Description
1/2/2022	150,991	Wind (≥ 40 mph)
1/8/2022	475,099	A warm front pushed across the CNP region bringing strong gusty winds, tornados, lightning and locally heavy downpours on Saturday & Sunday
1/15/2022	235,489	On Saturday, a cold front pushed through which brought high winds to mostly the western portion of the CNP territory
2/3/2022	502,284	Thunderstorm
2/17/2022	104,926	Wind (≥ 40 mph)
3/11/2022	122,000	Wind (≥ 40 mph)
3/21/2022	235,906	Wind (≥ 40 mph)
3/22/2022	337,861	Strong thunderstorms pushed through the CNP service territory on Tuesday morning bringing with them locally heavy rainfall, frequent lightning and wind gusts nearing 40 mph
4/10/2022	110,592	Wind (≥ 40 mph)
4/11/2022	158,461	Wind (≥ 30 mph)
4/12/2022	108,772	Wind (≥ 40 mph)
4/25/2022	457,848	A cold front pushed through the service territory on Monday afternoon. The resulting isolated thunderstorms brought high wind, small hail, and occasional lightning.
5/2/2022	144,966	Wind (≥ 30 mph)
5/5/2022	404,571	Thunderstorm
5/21/2022	783,835	A cold front pushed through the CNP service territory Sunday morning bringing high winds and frequent lightning.
5/24/2022	234,842	A cold front moved through the service area on Tuesday which brought showers, strong winds and thunderstorms with frequent lightning.
5/25/2022	614,550	A cold front pushed through the CNP footprint on Wednesday morning. The front brought high winds, frequent lightning and heavy rainfall.
6/19/2022	336,869	Wind (≥ 20 mph)
7/1/2022	136,360	A weak front moved across the service area on Monday and daytime heating interacted with the sea breeze which brought scattered showers and thunderstorms with frequent lightning, heavy winds and brief heavy rainfall
7/9/2022	797,951	A weak cold front stalled just north of the service area on Sunday combined with excessive heat resulted in severe storms in the afternoon through the evening
7/14/2022	378,776	Thunderstorm
8/10/2022	1,118,494	The sea breeze boundary moved inland and interacted with a boundary that moved down from the north and with the aid of daytime heating several storms popped up which produced occasional lightning and windy conditions
8/18/2022	910,969	Moisture levels were high on Thursday when a frontal boundary pushed southward across the CNP service territory. Thunderstorms developed as a result bringing rain and some heavy downpours, gusty winds and occasional lightning
8/29/2022	294,346	Thunderstorm
8/31/2022	141,899	Wind (≥ 20 mph)
9/7/2022	246,656	Isolated rain was scattered around the CNP footprint on Wednesday which caused occasional lightning, heavy downpours and windy conditions
9/15/2022	129,267	Thunderstorm
10/24/2022	565,387	A cold front pushed through the area on Monday night, bringing scattered showers and breezy conditions, with occasional strong storms.

Weather Descriptions for CEHE Property Insurance Reserve Events

Date of Storm/Index	Trans. & Dist. Gross Loss	Weather Description
10/28/2022	218,288	Thunderstorm
11/4/2022	237,255	Scattered thunderstorms swept through the service area Friday night through Saturday morning which brought occasional lightning, brief strong wind gusts and brief heavy downpours
12/22/2022	860,732	A strong cold front pushed through the service area on Thursday which brought high sustained winds and higher wind gusts
1/7/2023	173,993	Thunderstorm
1/24/2023	6,318,512	A strong disturbance pushed through the region on Tuesday which brought severe thunderstorms with frequent lightning, hail, damaging wind gusts and tornadoes along with locally heavy rain
3/16/2023	397,182	A cold front came through the service area which brought heavy winds and lightning
4/5/2023	582,672	Thunderstorm
4/20/2023	1,375,170	Thunderstorm
5/8/2023	277,952	The combination of daytime heating, a weak disturbance and elevated moisture brought scattered showers and thunderstorms on Monday
5/13/2023	794,012	Showers and thunderstorms developed along a weak boundary on Sunday night which brought periods of frequent lightning and heavy rainfall
6/8/2023	2,120,348	On Thursday afternoon there was enough instability in the atmosphere that allowed for the development of scattered thunderstorms across the CNP footprint. The storms brought strong wind gusts, small hail and frequent lightning strikes for several hours
6/21/2023	8,245,620	Showers and thunderstorms developed north of the CNP area which quickly pushed through and brought frequent lightning, hail and damaging winds
8/24/2023	295,409	Although hot and dry weather prevailed in the CNP service area on Thursday a late afternoon storm popped up bringing scattered rain with strong winds and occasional lightning
8/27/2023	519,568	A cold front pushed through the area on Sunday which brought high winds and a few lightning strikes
9/8/2023	201,132	Showers, thunderstorms and an associated outflow boundary entered the northern portions of the service territory pushed across the area on Saturday.
9/14/2023	923,713	A broken line of thunderstorms pushed eastward across the region in the afternoon and continued into the early evening.
9/25/2023	211,327	weak front approached the area and stalled with scattered showers and storms ending in the evening.
10/3/2023	551,054	Thunderstorm
10/22/2023	528,919	Wind (>=20mph)
10/29/2023	304,205	Wind (>=20mph)
11/1/2023	287,383	Wind (>=20mph)
11/8/2023	357,411	Wind (>=20mph)
11/12/2023	419,248	Wind (>=20mph)
11/16/2023	483,656	Wind (>=20mph)
11/22/2023	366,592	Wind (>=30mph)

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 56211
SOAH DOCKET NO. 473-24-13232**

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC-RF103-04**

QUESTION:

What is the maximum cap amount that CEHE can use from the self-insurance reserve fund for a single storm event?

ANSWER:

The Company is not aware of a mandated maximum cap amount that can be used from the self-insurance reserve for a single storm event. However, PURA Section 36.403(j) permits an electric utility to securitize system restoration costs of \$100 million or more in a calendar year under certain conditions. Please refer to Ms. Colvin's direct testimony at bates pages 793-795 for more information regarding the Company's use of the self-insurance reserve.

SPONSOR:

Kristie Colvin

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 56211
SOAH DOCKET NO. 473-24-13232**

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC-RF103-05**

QUESTION:

What is the minimum cap amount above which CEHE can use the self-insurance reserve fund for a single storm event?

ANSWER:

Please refer to Ms. Colvin's direct testimony at bates page 793 for discussion of self-insurance reserve for single storm events with an expected loss of \$100,000.

SPONSOR:

Kristie Colvin

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 56211
SOAH DOCKET NO. 473-24-13232**

**PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC-RF103-06**

QUESTION:

Does CEHE have any commercial insurance for storm events? If so, please explain how it works.

ANSWER:

CEHE has an all risk property insurance policy that covers all risk except risk that is specifically excluded under the policy. Also, CEHE's poles and conductors are excluded from coverage under the all risk property insurance policy. Certain weather events like fire, windstorm, convective storm, floods, named windstorms, flooding from named windstorm, storm surge and flooding associated with a named windstorm are not excluded from coverage in CEHE's all risk property insurance policy. Losses from events associated with a named windstorm are subject to a higher deductible and lower limits of liability.

Please also see WP MSK-1 as sponsored by Shane Kimzey, which demonstrates the lack of availability of property insurance to cover T&D assets.

SPONSOR:

Shane Kimzey

RESPONSIVE DOCUMENTS:

None

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
PUC DOCKET NO. 56211
SOAH DOCKET NO. 473-24-13232

PUBLIC UTILITY COMMISSION OF TEXAS
REQUEST NO.: PUC-RF103-07

QUESTION:

Please provide the amount of damages that was debited to the catastrophe reserve fund for the test year, and for the four calendar years before the test year.

ANSWER:

Amount of damages that were debited to the self-insurance reserve for the test year, and for the four calendar years before the test year can be found on WP II-B-7.1a. See amounts in table below:

Balances at December 31	2023	2022	2021	2020	2019
Self-Insurance Reserve	\$ 25,464,362	\$ 11,750,224	\$ 10,429,238	\$ 7,902,009	\$ 11,601,259

SPONSOR:

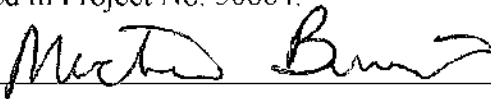
Kristie Colvin

RESPONSIVE DOCUMENTS:

None

CERTIFICATE OF SERVICE

I certify that on May 10, 2024, this document was filed with the Public Utility Commission of Texas in Docket No. 56211, and a true and correct copy of it was served by electronic mail on all parties of record in this proceeding in accordance with the Second Order Suspending Rules issued in Project No. 50664.



The following files are not convertible:

PUC-RFI03-01 GSW Monte Carlo.xlsx
PUC-RFI03-02 GSW Exh-3 Exh-4 WP-1.xlsx
PUC-RFI03-03 reserve weather

descriptions.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.