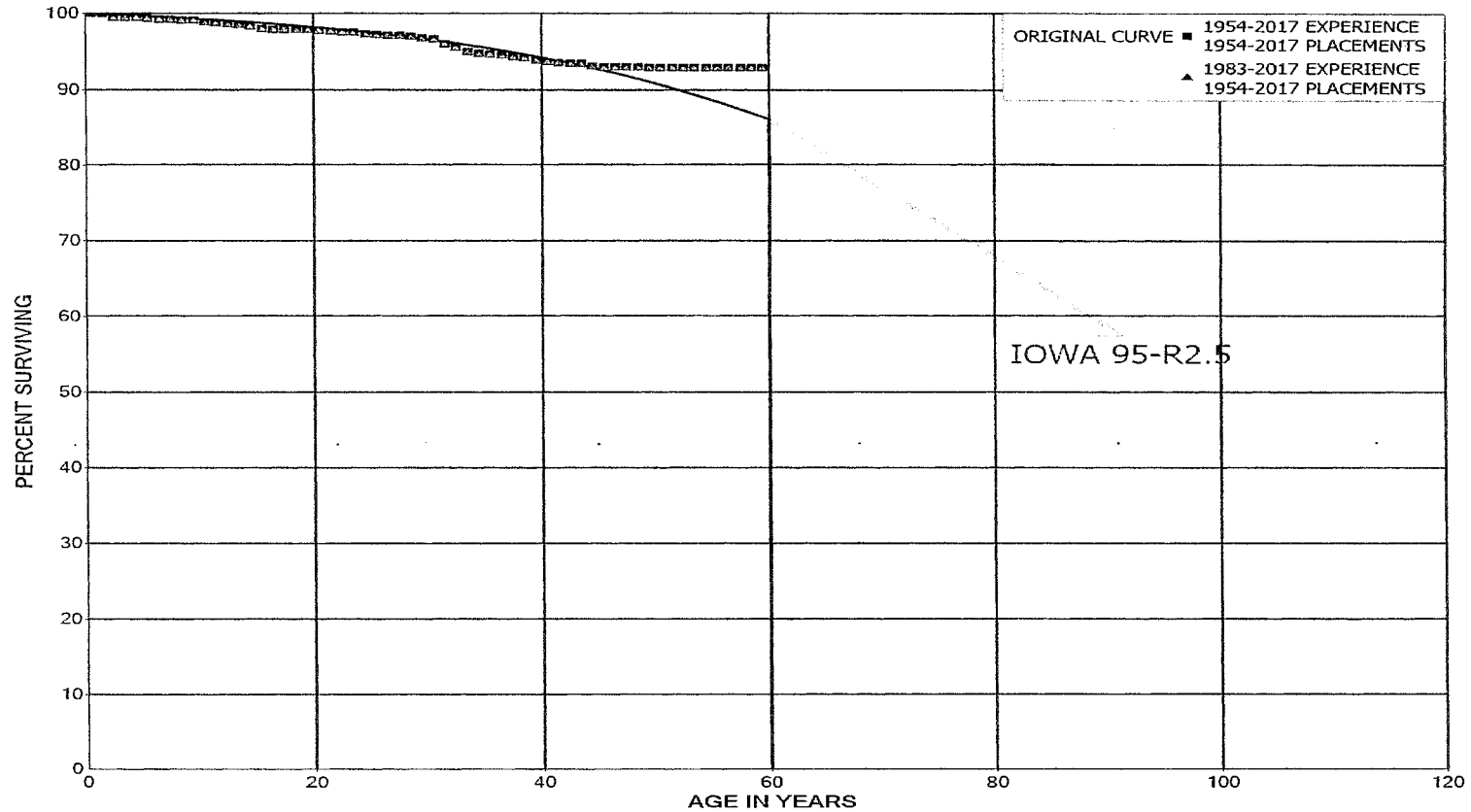


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**PART VII. SERVICE LIFE STATISTICS**

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1954-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	561,872,240		0.0000	1.0000	100.00
0.5	422,004,684	2,378	0.0000	1.0000	100.00
1.5	408,751,837	2,292,428	0.0056	0.9944	100.00
2.5	379,619,440	6,033	0.0000	1.0000	99.44
3.5	367,922,369	343,352	0.0009	0.9991	99.44
4.5	359,583,939	136,120	0.0004	0.9996	99.34
5.5	359,858,260	554,806	0.0015	0.9985	99.31
6.5	340,560,660	25,433	0.0001	0.9999	99.15
7.5	336,864,517	166,303	0.0005	0.9995	99.15
8.5	335,394,024	115,497	0.0003	0.9997	99.10
9.5	334,016,682	890,814	0.0027	0.9973	99.06
10.5	330,702,903	333,179	0.0010	0.9990	98.80
11.5	328,902,985	420,229	0.0013	0.9987	98.70
12.5	325,404,339	349,658	0.0011	0.9989	98.57
13.5	324,781,485	448,080	0.0014	0.9986	98.47
14.5	321,961,072	1,056,291	0.0033	0.9967	98.33
15.5	319,347,512	573,233	0.0018	0.9982	98.01
16.5	317,089,623	28,724	0.0001	0.9999	97.83
17.5	315,646,193	117,644	0.0004	0.9996	97.82
18.5	313,521,448	13,466	0.0000	1.0000	97.79
19.5	266,619,095	104,731	0.0004	0.9996	97.78
20.5	264,809,698	311,383	0.0012	0.9988	97.74
21.5	263,380,701	242,318	0.0009	0.9991	97.63
22.5	261,296,365	209,903	0.0008	0.9992	97.54
23.5	256,979,710	544,897	0.0021	0.9979	97.46
24.5	252,293,444	343,618	0.0014	0.9986	97.26
25.5	256,544,085	47,649	0.0002	0.9998	97.12
26.5	251,319,915	174,456	0.0007	0.9993	97.10
27.5	148,074,202	159,143	0.0011	0.9989	97.04
28.5	147,987,914	355,792	0.0024	0.9976	96.93
29.5	153,951,061	215,544	0.0014	0.9986	96.70
30.5	146,352,264	923,828	0.0063	0.9937	96.56
31.5	165,702,430	804,907	0.0049	0.9951	95.96
32.5	159,968,682	882,501	0.0055	0.9945	95.49
33.5	117,533,376	346,114	0.0029	0.9971	94.96
34.5	101,219,524	22,276	0.0002	0.9998	94.68
35.5	75,123,120	162,904	0.0022	0.9978	94.66
36.5	72,720,653	168,210	0.0023	0.9977	94.46
37.5	52,400,270	48,803	0.0009	0.9991	94.24
38.5	51,760,331	199,737	0.0039	0.9961	94.15

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1954-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	50,759,340	71,655	0.0014	0.9986	93.79
40.5	59,773,651	67,352	0.0011	0.9989	93.65
41.5	48,799,713	52,860	0.0011	0.9989	93.55
42.5	37,753,327	28,313	0.0007	0.9993	93.45
43.5	39,565,374	153,984	0.0039	0.9961	93.38
44.5	38,763,831	34,661	0.0009	0.9991	93.01
45.5	25,049,516	367	0.0000	1.0000	92.93
46.5	19,660,184	4,059	0.0002	0.9998	92.93
47.5	17,350,403		0.0000	1.0000	92.91
48.5	18,884,659	12,026	0.0006	0.9994	92.91
49.5	14,777,933	780	0.0001	0.9999	92.85
50.5	12,572,660		0.0000	1.0000	92.85
51.5	14,387,257	520	0.0000	1.0000	92.85
52.5	14,353,696		0.0000	1.0000	92.84
53.5	9,449,870	742	0.0001	0.9999	92.84
54.5	9,449,128		0.0000	1.0000	92.84
55.5	9,448,869		0.0000	1.0000	92.84
56.5	11,398,967		0.0000	1.0000	92.84
57.5	8,011,280		0.0000	1.0000	92.84
58.5	6,058,719		0.0000	1.0000	92.84
59.5	5,183,043		0.0000	1.0000	92.84
60.5	6,822,233		0.0000	1.0000	92.84
61.5	1,639,190		0.0000	1.0000	92.84
62.5					92.84

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	438,246,112		0.0000	1.0000	100.00
0.5	328,815,313	741	0.0000	1.0000	100.00
1.5	324,715,342	2,278,503	0.0070	0.9930	100.00
2.5	300,599,845	1,815	0.0000	1.0000	99.30
3.5	290,260,002	152,674	0.0005	0.9995	99.30
4.5	303,492,513	83,675	0.0003	0.9997	99.25
5.5	305,467,913	544,210	0.0018	0.9982	99.22
6.5	287,022,532	21,553	0.0001	0.9999	99.04
7.5	284,306,059	151,446	0.0005	0.9995	99.03
8.5	293,801,710	92,107	0.0003	0.9997	98.98
9.5	294,250,650	861,173	0.0029	0.9971	98.95
10.5	306,888,467	328,315	0.0011	0.9989	98.66
11.5	305,172,733	406,622	0.0013	0.9987	98.55
12.5	301,925,789	302,386	0.0010	0.9990	98.42
13.5	306,754,668	442,048	0.0014	0.9986	98.32
14.5	303,966,395	960,937	0.0032	0.9968	98.18
15.5	302,181,613	573,233	0.0019	0.9981	97.87
16.5	304,033,417	26,493	0.0001	0.9999	97.69
17.5	302,599,419	115,644	0.0004	0.9996	97.68
18.5	300,499,401	9,508	0.0000	1.0000	97.64
19.5	253,622,616	104,731	0.0004	0.9996	97.64
20.5	255,122,854	310,892	0.0012	0.9988	97.60
21.5	253,695,700	242,318	0.0010	0.9990	97.48
22.5	251,611,623	205,750	0.0008	0.9992	97.39
23.5	247,301,288	544,897	0.0022	0.9978	97.31
24.5	246,024,690	342,525	0.0014	0.9986	97.09
25.5	250,276,719	47,432	0.0002	0.9998	96.96
26.5	247,131,854	172,456	0.0007	0.9993	96.94
27.5	143,888,141	159,143	0.0011	0.9989	96.87
28.5	147,987,914	355,792	0.0024	0.9976	96.76
29.5	153,951,061	215,544	0.0014	0.9986	96.53
30.5	146,352,264	923,828	0.0063	0.9937	96.40
31.5	165,702,430	804,907	0.0049	0.9951	95.79
32.5	159,968,682	882,501	0.0055	0.9945	95.32
33.5	117,533,376	346,114	0.0029	0.9971	94.80
34.5	101,219,524	22,276	0.0002	0.9998	94.52
35.5	75,123,120	162,904	0.0022	0.9978	94.50
36.5	72,720,653	168,210	0.0023	0.9977	94.29
37.5	52,400,270	48,803	0.0009	0.9991	94.07
38.5	51,760,331	199,737	0.0039	0.9961	93.99

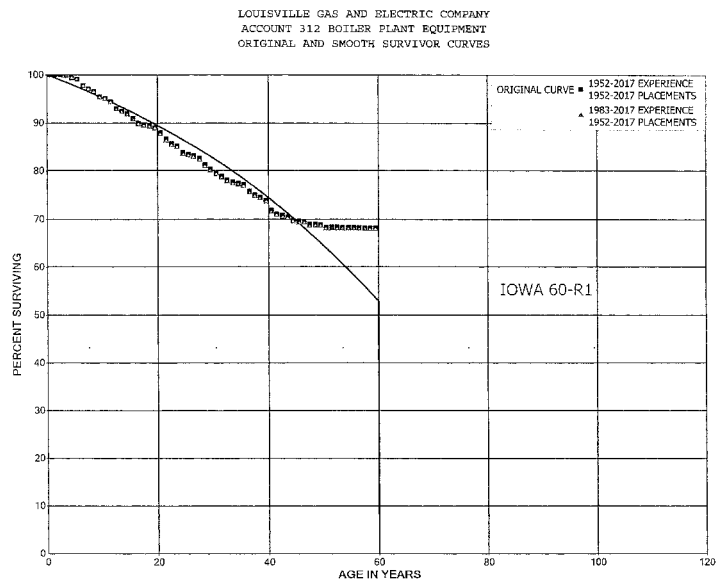
LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	50,759,340	71,655	0.0014	0.9986	93.62
40.5	59,773,651	67,352	0.0011	0.9989	93.49
41.5	48,799,713	52,860	0.0011	0.9989	93.39
42.5	37,753,327	28,313	0.0007	0.9993	93.28
43.5	39,565,374	153,984	0.0039	0.9961	93.21
44.5	38,763,831	34,661	0.0009	0.9991	92.85
45.5	25,049,516	367	0.0000	1.0000	92.77
46.5	19,660,184	4,059	0.0002	0.9998	92.77
47.5	17,350,403		0.0000	1.0000	92.75
48.5	18,884,659	12,026	0.0006	0.9994	92.75
49.5	14,777,933	780	0.0001	0.9999	92.69
50.5	12,572,660		0.0000	1.0000	92.68
51.5	14,387,257	520	0.0000	1.0000	92.68
52.5	14,353,696		0.0000	1.0000	92.68
53.5	9,449,870	742	0.0001	0.9999	92.68
54.5	9,449,128		0.0000	1.0000	92.67
55.5	9,448,869		0.0000	1.0000	92.67
56.5	11,398,967		0.0000	1.0000	92.67
57.5	8,011,280		0.0000	1.0000	92.67
58.5	6,058,719		0.0000	1.0000	92.67
59.5	5,183,043		0.0000	1.0000	92.67
60.5	6,822,233		0.0000	1.0000	92.67
61.5	1,639,190		0.0000	1.0000	92.67
62.5					92.67

Gannett Fleming

VII-7

Louisville Gas and Electric Company  
December 31, 2017



LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1952-2017		EXPERIENCE BAND 1952-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	2,707,403,260		0.0000	1.0000	100.00
0.5	2,786,788,448	480,543	0.0002	0.9998	100.00
1.0	2,496,902,335	459,995	0.0002	0.9998	99.98
1.5	2,034,247,806	2,784,110	0.0014	0.9986	99.96
2.0	1,641,604,797	9,178,033	0.0056	0.9944	99.83
2.5	1,625,713,704	2,461,291	0.0015	0.9985	99.27
3.0	1,597,031,546	23,294,055	0.0146	0.9854	99.12
3.5	1,387,627,088	8,515,928	0.0061	0.9939	97.67
4.0	1,365,575,017	7,947,117	0.0058	0.9942	97.07
4.5	1,346,035,889	15,972,048	0.0119	0.9881	96.51
5.0	1,309,538,234	3,477,128	0.0027	0.9973	95.36
5.5	1,292,455,770	10,006,538	0.0077	0.9923	95.11
6.0	1,141,263,298	17,102,402	0.0150	0.9850	94.37
6.5	1,165,078,871	6,765,447	0.0058	0.9942	92.96
7.0	1,112,424,783	6,108,868	0.0055	0.9945	92.42
7.5	996,543,673	10,532,081	0.0106	0.9894	91.91
8.0	944,208,864	10,067,959	0.0107	0.9893	90.94
8.5	854,087,806	3,264,975	0.0038	0.9962	89.97
9.0	804,655,510	1,806,544	0.0022	0.9978	89.63
9.5	781,911,651	3,020,063	0.0039	0.9961	89.43
10.0	688,102,549	9,050,349	0.0132	0.9868	89.08
10.5	663,038,004	9,839,679	0.0148	0.9852	87.91
11.0	643,227,514	6,834,499	0.0106	0.9894	86.60
11.5	622,421,817	3,445,702	0.0055	0.9945	85.68
12.0	618,425,602	9,729,864	0.0157	0.9843	85.21
12.5	632,438,066	2,383,499	0.0038	0.9962	83.87
13.0	608,517,008	3,113,542	0.0051	0.9949	83.55
13.5	597,073,047	3,745,518	0.0063	0.9937	83.13
14.0	389,549,779	6,354,700	0.0163	0.9837	82.60
14.5	349,643,011	3,670,672	0.0105	0.9895	81.26
15.0	329,365,571	3,059,498	0.0093	0.9907	80.40
15.5	302,955,630	2,466,111	0.0081	0.9919	79.66
16.0	363,863,653	3,964,515	0.0109	0.9891	79.01
16.5	358,028,935	1,764,860	0.0049	0.9951	78.15
17.0	238,534,731	873,288	0.0037	0.9963	77.76
17.5	210,542,217	766,406	0.0036	0.9964	77.48
18.0	145,012,400	2,539,641	0.0175	0.9825	77.20
18.5	131,635,520	1,405,679	0.0107	0.9893	75.84
19.0	77,236,617	453,560	0.0059	0.9941	75.03
19.5	69,454,950	622,220	0.0090	0.9910	74.59



LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 312 BOILER PLANT EQUIPMENT  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1952-2017			EXPERIENCE BAND 1952-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	66,714,895	1,866,440	0.0280	0.9720	73.93
40.5	82,786,523	885,562	0.0107	0.9893	71.86
41.5	64,352,766	238,846	0.0037	0.9963	71.09
42.5	46,664,686	236,847	0.0051	0.9949	70.82
43.5	46,472,660	464,722	0.0100	0.9900	70.47
44.5	45,776,591	91,243	0.0020	0.9980	69.76
45.5	23,628,143	24,448	0.0010	0.9990	69.62
46.5	13,741,476	122,993	0.0090	0.9910	69.55
47.5	13,514,219	5,147	0.0004	0.9996	68.93
48.5	13,045,421	8,777	0.0007	0.9993	68.90
49.5	7,581,647	52,002	0.0069	0.9931	68.85
50.5	7,572,305	279	0.0000	1.0000	68.38
51.5	7,572,026	785	0.0001	0.9999	68.38
52.5	7,571,240	6,004	0.0008	0.9992	68.37
53.5	1,511,128		0.0000	1.0000	68.32
54.5	1,495,372	561	0.0004	0.9996	68.32
55.5	1,494,811		0.0000	1.0000	68.29
56.5	1,494,811	1,471	0.0010	0.9990	68.29
57.5	985,103		0.0000	1.0000	68.23
58.5	985,103		0.0000	1.0000	68.23
59.5	865,017		0.0000	1.0000	68.23
60.5	865,017		0.0000	1.0000	68.23
61.5					68.23

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

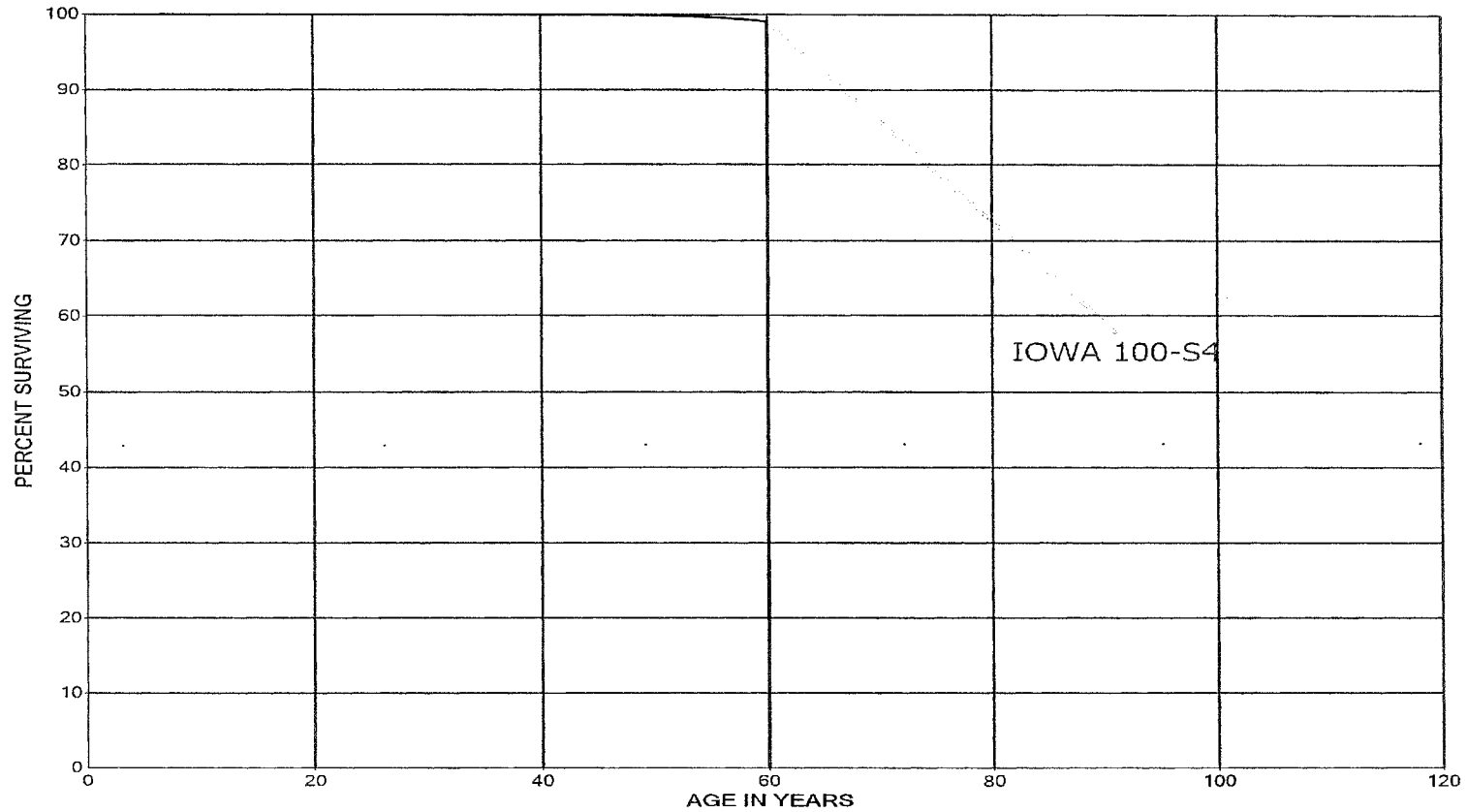
ORIGINAL LIFE TABLE

PLACEMENT BAND 1952-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	2,342,384,105		0.0000	1.0000	100.00
0.5	2,539,836,114	480,091	0.0002	0.9998	100.00
1.5	2,282,939,329	455,315	0.0002	0.9998	99.98
2.5	1,848,098,592	2,763,663	0.0015	0.9985	99.96
3.5	1,457,222,565	7,959,487	0.0055	0.9945	99.81
4.5	1,510,194,596	2,428,865	0.0016	0.9984	99.27
5.5	1,490,372,937	23,108,720	0.0155	0.9845	99.11
6.5	1,288,359,669	8,180,300	0.0063	0.9937	97.57
7.5	1,267,598,995	7,357,353	0.0058	0.9942	96.95
8.5	1,270,068,031	15,869,461	0.0125	0.9875	96.39
9.5	1,234,179,031	3,312,061	0.0027	0.9973	95.18
10.5	1,243,527,076	9,948,030	0.0080	0.9920	94.93
11.5	1,092,532,426	17,011,795	0.0156	0.9844	94.17
12.5	1,117,288,154	6,703,994	0.0060	0.9940	92.70
13.5	1,077,746,565	5,844,741	0.0054	0.9946	92.15
14.5	962,717,703	10,444,170	0.0108	0.9892	91.65
15.5	911,185,667	10,037,467	0.0110	0.9890	90.65
16.5	829,695,245	3,228,593	0.0039	0.9961	89.65
17.5	780,310,791	1,806,544	0.0023	0.9977	89.30
18.5	757,829,447	3,012,855	0.0040	0.9960	89.10
19.5	664,068,002	9,035,445	0.0136	0.9864	88.74
20.5	646,762,999	9,775,743	0.0151	0.9849	87.54
21.5	627,052,202	6,826,696	0.0109	0.9891	86.21
22.5	606,263,511	3,438,644	0.0057	0.9943	85.27
23.5	602,322,517	9,729,864	0.0162	0.9838	84.79
24.5	622,207,323	2,383,499	0.0038	0.9962	83.42
25.5	598,330,614	3,101,829	0.0052	0.9948	83.10
26.5	591,734,975	3,738,271	0.0063	0.9937	82.67
27.5	384,218,954	6,351,743	0.0165	0.9835	82.15
28.5	349,603,011	3,670,672	0.0105	0.9895	80.79
29.5	329,325,571	3,059,498	0.0093	0.9907	79.94
30.5	302,955,630	2,466,111	0.0081	0.9919	79.20
31.5	363,863,653	3,964,515	0.0109	0.9891	78.55
32.5	358,028,935	1,764,860	0.0049	0.9951	77.70
33.5	238,534,731	873,288	0.0037	0.9963	77.32
34.5	210,542,217	766,406	0.0036	0.9964	77.03
35.5	145,012,400	2,539,641	0.0175	0.9825	76.75
36.5	131,635,520	1,405,679	0.0107	0.9893	75.41
37.5	77,236,617	453,560	0.0059	0.9941	74.60
38.5	69,454,950	622,220	0.0090	0.9910	74.16

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 312 BOILER PLANT EQUIPMENT  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1952-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	66,714,895	1,866,440	0.0280	0.9720	73.50
40.5	82,786,523	885,562	0.0107	0.9893	71.44
41.5	64,352,766	238,846	0.0037	0.9963	70.68
42.5	46,664,686	236,847	0.0051	0.9949	70.42
43.5	46,472,660	464,722	0.0100	0.9900	70.06
44.5	45,776,591	91,243	0.0020	0.9980	69.36
45.5	23,628,143	24,448	0.0010	0.9990	69.22
46.5	13,741,476	122,993	0.0090	0.9910	69.15
47.5	13,514,219	5,147	0.0004	0.9996	68.53
48.5	13,045,421	8,777	0.0007	0.9993	68.50
49.5	7,581,647	52,002	0.0069	0.9931	68.46
50.5	7,572,305	279	0.0000	1.0000	67.99
51.5	7,572,026	785	0.0001	0.9999	67.99
52.5	7,571,240	6,004	0.0008	0.9992	67.98
53.5	1,511,128		0.0000	1.0000	67.93
54.5	1,495,372	561	0.0004	0.9996	67.93
55.5	1,494,811		0.0000	1.0000	67.90
56.5	1,494,811	1,471	0.0010	0.9990	67.90
57.5	985,103		0.0000	1.0000	67.83
58.5	985,103		0.0000	1.0000	67.83
59.5	865,017		0.0000	1.0000	67.83
60.5	865,017		0.0000	1.0000	67.83
61.5					67.83

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS  
SMOOTH SURVIVOR CURVE



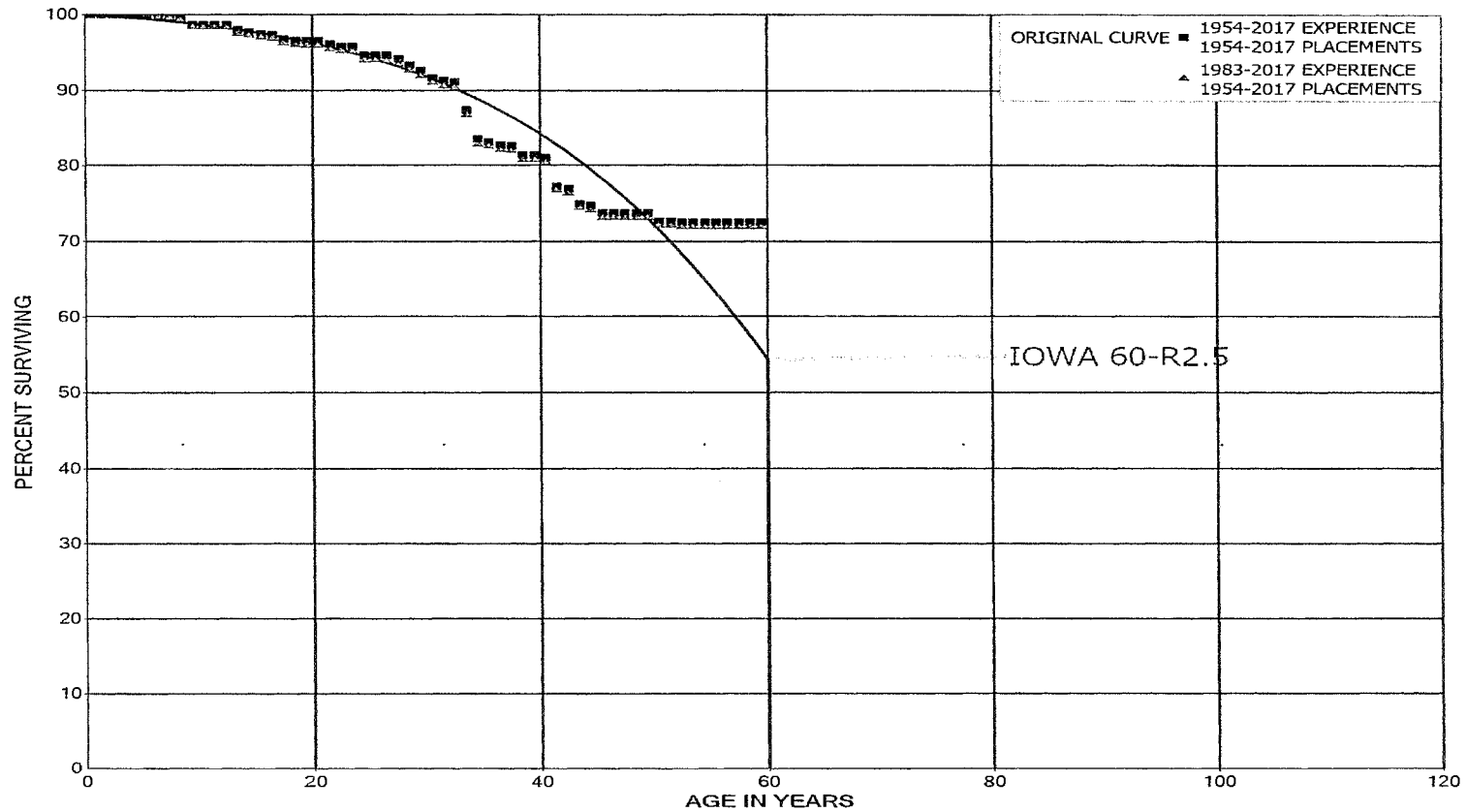


Gannett Fleming

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Louisville Gas and Electric Company  
December 31, 2017

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1954-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	324,465,122		0.0000	1.0000	100.00
0.5	321,442,753		0.0000	1.0000	100.00
1.5	320,172,085	80,613	0.0003	0.9997	100.00
2.5	302,346,521		0.0000	1.0000	99.97
3.5	285,207,567	7,908	0.0000	1.0000	99.97
4.5	275,038,355	81,235	0.0003	0.9997	99.97
5.5	263,816,397	649,485	0.0025	0.9975	99.94
6.5	239,302,171	239,951	0.0010	0.9990	99.70
7.5	225,390,056	276,808	0.0012	0.9988	99.60
8.5	238,942,165	2,084,160	0.0087	0.9913	99.47
9.5	232,416,743	9,300	0.0000	1.0000	98.61
10.5	216,941,493	12,000	0.0001	0.9999	98.60
11.5	214,968,633	26,735	0.0001	0.9999	98.60
12.5	207,738,776	1,447,108	0.0070	0.9930	98.58
13.5	205,143,229	563,930	0.0027	0.9973	97.90
14.5	202,356,885	416,559	0.0021	0.9979	97.63
15.5	199,378,557	376,332	0.0019	0.9981	97.43
16.5	196,906,452	975,050	0.0050	0.9950	97.24
17.5	195,843,641	463,230	0.0024	0.9976	96.76
18.5	173,523,090	77,984	0.0004	0.9996	96.53
19.5	166,929,977	27,206	0.0002	0.9998	96.49
20.5	164,758,392	764,781	0.0046	0.9954	96.47
21.5	166,497,687	429,680	0.0026	0.9974	96.03
22.5	166,234,970	143,253	0.0009	0.9991	95.78
23.5	166,531,081	1,846,543	0.0111	0.9889	95.70
24.5	160,365,696	21,006	0.0001	0.9999	94.64
25.5	159,361,227	74,875	0.0005	0.9995	94.62
26.5	157,013,646	698,722	0.0045	0.9955	94.58
27.5	112,990,044	989,623	0.0088	0.9912	94.16
28.5	111,965,622	925,378	0.0083	0.9917	93.33
29.5	107,064,910	1,044,725	0.0098	0.9902	92.56
30.5	105,922,634	455,230	0.0043	0.9957	91.66
31.5	128,848,366	277,652	0.0022	0.9978	91.26
32.5	128,039,838	5,159,144	0.0403	0.9597	91.07
33.5	89,284,970	4,030,531	0.0451	0.9549	87.40
34.5	85,241,172	253,886	0.0030	0.9970	83.45
35.5	66,460,996	365,931	0.0055	0.9945	83.20
36.5	57,742,285	97,824	0.0017	0.9983	82.75
37.5	44,695,374	667,693	0.0149	0.9851	82.61
38.5	44,027,084		0.0000	1.0000	81.37

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 314 TURBOGENERATOR UNITS  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1954-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	41,730,465	163,243	0.0039	0.9961	81.37
40.5	51,543,789	2,365,992	0.0459	0.9541	81.05
41.5	40,191,354	219,895	0.0055	0.9945	77.33
42.5	29,949,592	758,365	0.0253	0.9747	76.91
43.5	28,052,309	97,844	0.0035	0.9965	74.96
44.5	27,897,125	377,326	.0135	0.9865	74.70
45.5	17,954,759		0.0000	1.0000	73.69
46.5	11,406,916	2,639	0.0002	0.9998	73.69
47.5	11,404,278		0.0000	1.0000	73.67
48.5	11,403,622		0.0000	1.0000	73.67
49.5	6,081,646	84,973	0.0140	0.9860	73.67
50.5	6,039,903		0.0000	1.0000	72.64
51.5	6,038,207	14,204	0.0024	0.9976	72.64
52.5	6,010,646		0.0000	1.0000	72.47
53.5	686,900		0.0000	1.0000	72.47
54.5	686,900		0.0000	1.0000	72.47
55.5	686,900		0.0000	1.0000	72.47
56.5	686,900		0.0000	1.0000	72.47
57.5	119,080		0.0000	1.0000	72.47
58.5	119,080		0.0000	1.0000	72.47
59.5	105,161		0.0000	1.0000	72.47
60.5	105,161		0.0000	1.0000	72.47
61.5					72.47

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

ORIGINAL LIFE TABLE

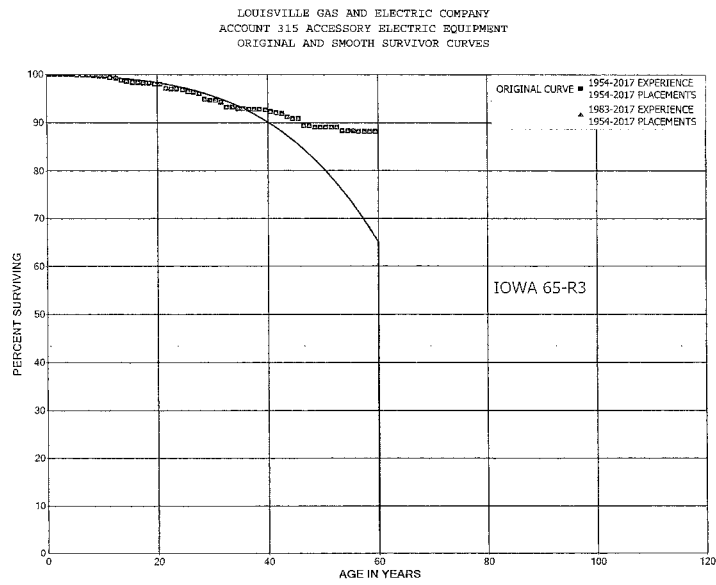
PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1983-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	206,231,210		0.0000	1.0000	100.00
0.5	238,780,231		0.0000	1.0000	100.00
1.5	237,561,182	80,613	0.0003	0.9997	100.00
2.5	219,736,293		0.0000	1.0000	99.97
3.5	212,517,674	7,393	0.0000	1.0000	99.97
4.5	217,298,623	80,885	0.0004	0.9996	99.96
5.5	206,138,930	647,208	0.0031	0.9969	99.93
6.5	181,632,394	236,900	0.0013	0.9987	99.61
7.5	167,886,886	271,634	0.0016	0.9984	99.48
8.5	195,225,857	2,064,160	0.0106	0.9894	99.32
9.5	188,752,140	5,000	0.0000	1.0000	98.27
10.5	184,794,813	12,000	0.0001	0.9999	98.27
11.5	182,879,293	24,908	0.0001	0.9999	98.26
12.5	175,671,545	1,446,525	0.0082	0.9918	98.25
13.5	181,255,481	563,930	0.0031	0.9969	97.44
14.5	178,469,137	403,559	0.0023	0.9977	97.14
15.5	175,510,366	376,332	0.0021	0.9979	96.92
16.5	178,677,070	975,050	0.0055	0.9945	96.71
17.5	177,777,699	463,230	0.0026	0.9974	96.18
18.5	155,459,561	77,984	0.0005	0.9995	95.93
19.5	148,880,109	24,446	0.0002	0.9998	95.88
20.5	152,424,605	764,781	0.0050	0.9950	95.87
21.5	154,163,900	414,680	0.0027	0.9973	95.39
22.5	153,955,417	143,253	0.0009	0.9991	95.13
23.5	154,251,528	1,843,230	0.0119	0.9881	95.04
24.5	152,874,000	21,006	0.0001	0.9999	93.90
25.5	151,869,531	66,171	0.0004	0.9996	93.89
26.5	153,365,215	698,722	0.0046	0.9954	93.85
27.5	109,341,613	989,623	0.0092	0.9909	93.42
28.5	111,965,622	925,378	0.0083	0.9917	92.58
29.5	107,064,910	1,044,725	0.0098	0.9902	91.81
30.5	105,922,634	455,230	0.0043	0.9957	90.92
31.5	128,848,366	277,652	0.0022	0.9978	90.53
32.5	128,039,838	5,159,144	0.0403	0.9597	90.33
33.5	89,284,970	4,030,531	0.0451	0.8549	86.69
34.5	85,241,172	253,886	0.0030	0.9970	82.78
35.5	66,460,996	365,931	0.0055	0.9945	82.53
36.5	57,742,285	97,824	0.0017	0.9983	82.08
37.5	44,695,374	667,693	0.0149	0.9851	81.94
38.5	44,027,084		0.0000	1.0000	80.71



LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 314 TURBOGENERATOR UNITS  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	41,730,465	163,243	0.0039	0.9961	80.71
40.5	51,543,789	2,365,992	0.0459	0.9541	80.40
41.5	40,191,354	219,895	0.0055	0.9945	76.71
42.5	29,949,592	758,365	0.0253	0.9747	76.29
43.5	28,052,309	97,844	0.0035	0.9965	74.36
44.5	27,897,125	377,326	0.0135	0.9865	74.10
45.5	17,954,759		0.0000	1.0000	73.09
46.5	11,406,916	2,639	0.0002	0.9998	73.09
47.5	11,404,278		0.0000	1.0000	73.08
48.5	11,403,622		0.0000	1.0000	73.08
49.5	6,081,646	84,973	0.0140	0.9860	73.08
50.5	6,039,903		0.0000	1.0000	72.06
51.5	6,038,207	14,204	0.0024	0.9976	72.06
52.5	6,010,646		0.0000	1.0000	71.89
53.5	686,900		0.0000	1.0000	71.89
54.5	686,900		0.0000	1.0000	71.89
55.5	686,900		0.0000	1.0000	71.89
56.5	686,900		0.0000	1.0000	71.89
57.5	119,080		0.0000	1.0000	71.89
58.5	119,080		0.0000	1.0000	71.89
59.5	105,161		0.0000	1.0000	71.89
60.5	105,161		0.0000	1.0000	71.89
61.5					71.89

Gannett Fleming  
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Louisville Gas and Electric Company  
December 31, 2017



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1954-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	244,804,240		0.0000	1.0000	100.00
0.5	242,771,960	298	0.0000	1.0000	100.00
1.5	217,683,499	2,203	0.0000	1.0000	100.00
2.5	191,841,217	45,128	0.0002	0.9998	100.00
3.5	184,708,738	146,910	0.0008	0.9992	99.98
4.5	184,949,470	35,225	0.0002	0.9998	99.90
5.5	182,179,576	110,294	0.0006	0.9994	99.88
6.5	171,553,573	33,426	0.0002	0.9998	99.82
7.5	171,827,575	76,726	0.0004	0.9996	99.80
8.5	171,110,027	155,507	0.0009	0.9991	99.75
9.5	172,040,461	25,524	0.0001	0.9999	99.66
10.5	171,753,134	627,461	0.0037	0.9963	99.65
11.5	170,885,459	142,581	0.0008	0.9992	99.28
12.5	170,486,420	743,699	0.0044	0.9956	99.20
13.5	170,635,690	385,262	0.0023	0.9977	98.77
14.5	170,403,883	403,792	0.0024	0.9976	98.54
15.5	171,152,648	101,392	0.0006	0.9994	98.31
16.5	170,423,057	174,686	0.0010	0.9990	98.25
17.5	159,832,153	31,390	0.0002	0.9998	98.15
18.5	150,234,924	261,684	0.0017	0.9983	98.13
19.5	137,075,168	22,428	0.0002	0.9998	97.96
20.5	134,267,805	1,139,752	0.0085	0.9915	97.95
21.5	133,153,573	160,604	0.0012	0.9988	97.11
22.5	132,157,715	70,910	0.0005	0.9995	97.00
23.5	127,622,354	299,331	0.0023	0.9977	96.94
24.5	126,114,214	463,342	0.0037	0.9963	96.72
25.5	126,648,924	38,689	0.0003	0.9997	96.36
26.5	127,266,160	479,074	0.0038	0.9962	96.33
27.5	80,142,525	922,930	0.0115	0.9885	95.97
28.5	79,408,524	180,618	0.0023	0.9977	94.86
29.5	79,548,168	15,097	0.0002	0.9998	94.65
30.5	79,392,955	350,347	0.0044	0.9956	94.63
31.5	93,392,413	1,030,494	0.0110	0.9890	94.21
32.5	91,838,075	48,886	0.0005	0.9995	93.17
33.5	67,761,230	174,945	0.0026	0.9974	93.12
34.5	60,041,813	49,609	0.0008	0.9992	92.88
35.5	39,249,588	13,132	0.0003	0.9997	92.81
36.5	35,407,211	23,441	0.0007	0.9993	92.78
37.5	21,803,473		0.0000	1.0000	92.71
38.5	20,568,393	19,693	0.0010	0.9990	92.71

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1954-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	19,583,717	67,907	0.0035	0.9965	92.63
40.5	23,157,622	61,581	0.0027	0.9973	92.30
41.5	19,331,225	54,105	0.0028	0.9972	92.06
42.5	13,893,773	91,521	0.0066	0.9934	91.80
43.5	13,197,572	50,739	0.0038	0.9962	91.20
44.5	13,135,696	4,700	0.0004	0.9996	90.85
45.5	8,766,294	142,139	0.0162	0.9838	90.81
46.5	6,853,073		0.0000	1.0000	89.34
47.5	6,826,685	24,111	0.0035	0.9965	89.34
48.5	6,507,783	14	0.0000	1.0000	89.03
49.5	5,361,890	784	0.0001	0.9999	89.03
50.5	5,351,626		0.0000	1.0000	89.01
51.5	5,019,222		0.0000	1.0000	89.01
52.5	5,017,566	39,155	0.0078	0.9922	89.01
53.5	3,779,505		0.0000	1.0000	88.32
54.5	3,778,777		0.0000	1.0000	88.32
55.5	3,777,980	7,356	0.0019	0.9981	88.32
56.5	3,770,124		0.0000	1.0000	88.15
57.5	3,010,822		0.0000	1.0000	88.15
58.5	3,010,307		0.0000	1.0000	88.15
59.5	1,777,553		0.0000	1.0000	88.15
60.5	1,776,132		0.0000	1.0000	88.15
61.5					88.15

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

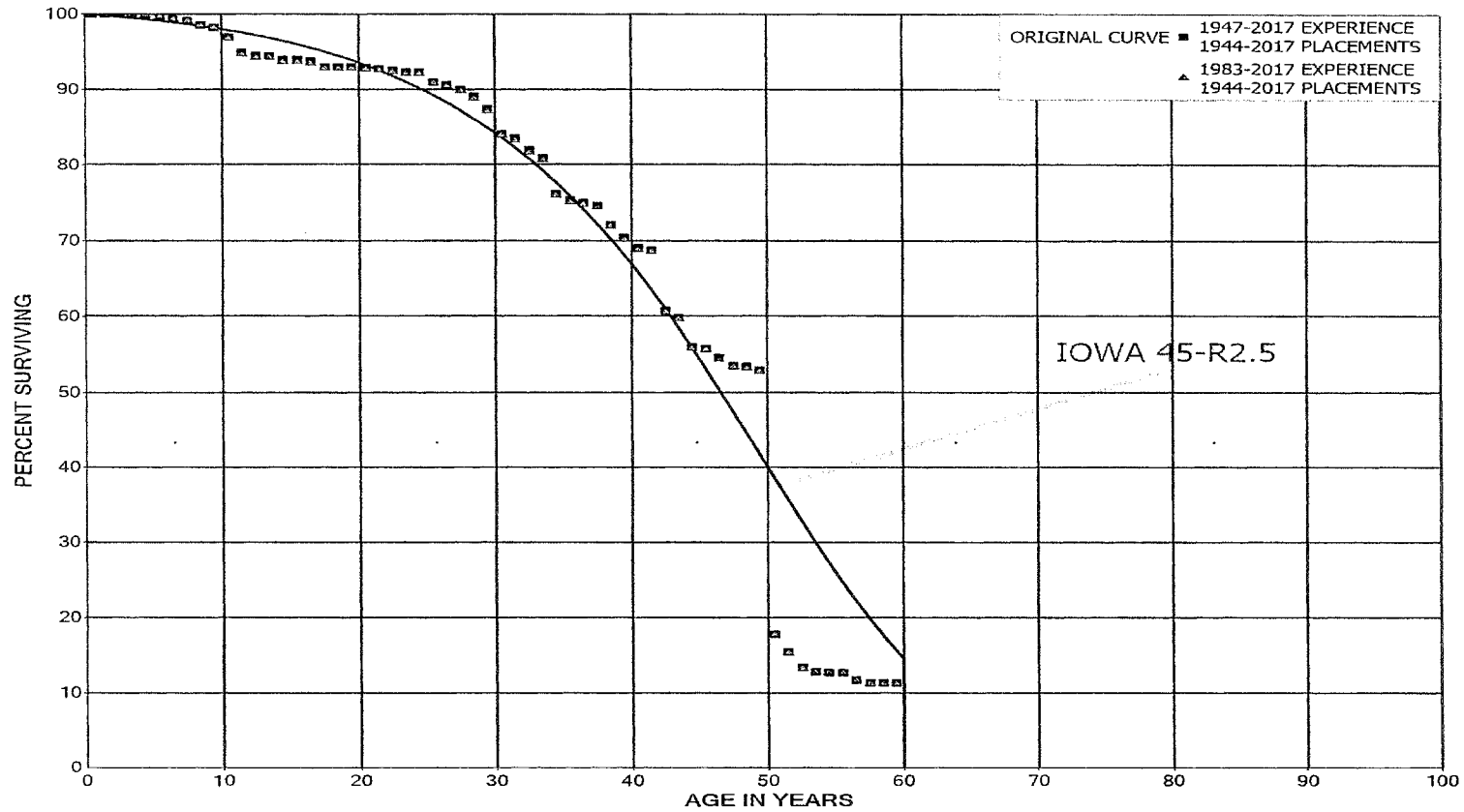
ORIGINAL LIFE TABLE

PLACEMENT BAND 1954-2017		EXPERIENCE BAND 1983-2017			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	REMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	168,711,841		0.0000	1.0000	100.00
0.5	188,887,780		0.0000	1.0000	100.00
1.5	171,029,352		0.0000	1.0000	100.00
2.5	152,292,152	9,990	0.0001	0.9999	100.00
3.5	145,411,691	139,025	0.0010	0.9990	99.99
4.5	159,452,943	26,346	0.0002	0.9998	99.90
5.5	157,948,762	48,969	0.0003	0.9997	99.88
6.5	148,972,884	32,001	0.0002	0.9998	99.85
7.5	149,733,580	8,046	0.0001	0.9999	99.83
8.5	153,989,438	152,241	0.0010	0.9990	99.82
9.5	155,168,564	22,970	0.0001	0.9999	99.72
10.5	160,756,184	623,978	0.0039	0.9961	99.71
11.5	159,903,130	138,751	0.0009	0.9991	99.32
12.5	159,530,922	743,699	0.0047	0.9953	99.24
13.5	162,225,403	385,262	0.0024	0.9976	98.77
14.5	162,067,467	401,852	0.0025	0.9975	98.54
15.5	163,161,950	96,947	0.0006	0.9994	98.30
16.5	164,008,960	172,466	0.0011	0.9989	98.24
17.5	153,431,168	11,418	0.0001	0.9999	98.13
18.5	143,885,967	239,303	0.0017	0.9983	98.13
19.5	130,750,248	17,890	0.0001	0.9999	97.96
20.5	129,182,497	1,129,337	0.0087	0.9913	97.95
21.5	128,085,352	160,604	0.0013	0.9987	97.09
22.5	127,118,785	70,910	0.0005	0.9994	96.97
23.5	122,583,923	299,331	0.0024	0.9976	96.92
24.5	122,064,097	463,342	0.0038	0.9962	96.68
25.5	122,599,321	38,689	0.0003	0.9997	96.31
26.5	125,010,393	479,074	0.0038	0.9962	96.28
27.5	77,888,179	922,686	0.0118	0.9882	95.91
28.5	79,408,524	180,618	0.0023	0.9977	94.78
29.5	79,548,168	15,097	0.0002	0.9998	94.56
30.5	79,392,955	350,347	0.0044	0.9956	94.54
31.5	93,392,413	1,030,494	0.0110	0.9890	94.13
32.5	91,838,075	48,886	0.0005	0.9995	93.09
33.5	67,761,230	174,945	0.0026	0.9974	93.04
34.5	60,041,813	49,609	0.0008	0.9992	92.80
35.5	39,249,588	13,132	0.0003	0.9997	92.72
36.5	35,407,211	23,441	0.0007	0.9993	92.69
37.5	21,803,473		0.0000	1.0000	92.63
38.5	20,568,393	19,693	0.0010	0.9990	92.63

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1954-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	19,583,717	67,907	0.0035	0.9965	92.54
40.5	23,157,622	61,581	0.0027	0.9973	92.22
41.5	19,331,225	54,105	0.0028	0.9972	91.98
42.5	13,893,773	91,521	0.0066	0.9934	91.72
43.5	13,197,572	50,739	0.0038	0.9962	91.11
44.5	13,135,696	4,700	0.0004	0.9996	90.76
45.5	8,766,294	142,139	0.0162	0.9838	90.73
46.5	6,853,073		0.0000	1.0000	89.26
47.5	6,826,685	24,111	0.0035	0.9965	89.26
48.5	6,507,783	14	0.0000	1.0000	88.94
49.5	5,361,890	784	0.0001	0.9999	88.94
50.5	5,351,626		0.0000	1.0000	88.93
51.5	5,019,222		0.0000	1.0000	88.93
52.5	5,017,566	39,155	0.0078	0.9922	88.93
53.5	3,779,505		0.0000	1.0000	88.24
54.5	3,778,777		0.0000	1.0000	88.24
55.5	3,777,980	7,356	0.0019	0.9981	88.24
56.5	3,770,124		0.0000	1.0000	88.07
57.5	3,010,822		0.0000	1.0000	88.07
58.5	3,010,307		0.0000	1.0000	88.07
59.5	1,777,553		0.0000	1.0000	88.07
60.5	1,776,132		0.0000	1.0000	88.07
61.5					88.07

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE

PLACEMENT BAND 1944-2017			EXPERIENCE BAND 1947-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	25,606,433		0.0000	1.0000	100.00
0.5	23,449,651	677	0.0000	1.0000	100.00
1.5	22,742,532	2,120	0.0001	0.9999	100.00
2.5	22,033,998	8,003	0.0004	0.9996	99.99
3.5	19,689,372	16,984	0.0009	0.9991	99.95
4.5	18,199,357	53,501	0.0029	0.9971	99.87
5.5	17,943,293	47,151	0.0026	0.9974	99.57
6.5	15,301,466	36,381	0.0024	0.9976	99.31
7.5	14,236,241	78,162	0.0055	0.9945	99.07
8.5	13,526,831	42,779	0.0032	0.9968	98.53
9.5	13,114,929	171,050	0.0130	0.9870	98.22
10.5	12,199,852	250,426	0.0205	0.9795	96.94
11.5	11,162,508	49,169	0.0044	0.9956	94.95
12.5	11,021,319	10,549	0.0010	0.9990	94.53
13.5	11,033,378	59,572	0.0054	0.9946	94.44
14.5	10,178,590	1,701	0.0002	0.9998	93.93
15.5	9,716,552	21,657	0.0022	0.9978	93.91
16.5	9,220,848	70,908	0.0077	0.9923	93.70
17.5	8,846,541	2,730	0.0003	0.9997	92.98
18.5	8,097,719	1,595	0.0002	0.9998	92.95
19.5	7,805,381	9,507	0.0012	0.9988	92.94
20.5	7,495,233	5,560	0.0007	0.9993	92.82
21.5	7,142,077	21,184	0.0030	0.9970	92.75
22.5	6,669,099	11,649	0.0017	0.9983	92.48
23.5	6,304,898	1	0.0000	1.0000	92.32
24.5	5,950,420	85,520	0.0144	0.9856	92.32
25.5	5,627,219	22,195	0.0039	0.9961	90.99
26.5	4,600,598	31,595	0.0069	0.9931	90.63
27.5	2,785,994	28,437	0.0102	0.9898	90.01
28.5	2,644,496	49,674	0.0188	0.9812	89.09
29.5	2,436,080	92,039	0.0378	0.9622	87.42
30.5	2,199,934	16,848	0.0077	0.9923	84.11
31.5	1,940,772	35,692	0.0184	0.9816	83.47
32.5	1,836,909	22,609	0.0123	0.9877	81.94
33.5	1,648,336	96,562	0.0586	0.9414	80.93
34.5	1,427,499	15,297	0.0107	0.9893	76.19
35.5	1,381,445	5,601	0.0041	0.9959	75.37
36.5	1,309,084	7,097	0.0054	0.9946	75.06
37.5	1,256,915	42,800	0.0341	0.9659	74.66
38.5	1,176,347	28,818	0.0245	0.9755	72.11



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1944-2017			EXPERIENCE BAND 1947-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	898,521	16,823	0.0187	0.9813	70.35
40.5	846,796	3,802	0.0045	0.9955	69.03
41.5	801,188	93,212	0.1163	0.8837	68.72
42.5	679,520	9,738	0.0143	0.9857	60.73
43.5	633,248	40,974	0.0647	0.9353	59.86
44.5	522,935	1,904	0.0036	0.9964	55.98
45.5	195,523	4,501	0.0230	0.9770	55.78
46.5	190,353	3,272	0.0172	0.9828	54.49
47.5	187,081	485	0.0026	0.9974	53.56
48.5	186,596	1,799	0.0096	0.9904	53.42
49.5	184,798	122,826	0.6647	0.3353	52.90
50.5	61,972	8,187	0.1321	0.8679	17.74
51.5	53,784	7,531	0.1400	0.8600	15.40
52.5	46,254	1,724	0.0373	0.9627	13.24
53.5	44,530	323	0.0073	0.9927	12.75
54.5	44,207		0.0000	1.0000	12.66
55.5	43,278	3,518	0.0813	0.9187	12.66
56.5	39,760	1,288	0.0324	0.9676	11.63
57.5	38,472		0.0000	1.0000	11.25
58.5	38,270		0.0000	1.0000	11.25
59.5	37,214		0.0000	1.0000	11.25
60.5	29,806		0.0000	1.0000	11.25
61.5	29,104		0.0000	1.0000	11.25
62.5	28,982		0.0000	1.0000	11.25
63.5	28,982		0.0000	1.0000	11.25
64.5	28,871		0.0000	1.0000	11.25
65.5	20,131		0.0000	1.0000	11.25
66.5	3,223		0.0000	1.0000	11.25
67.5	1,634		0.0000	1.0000	11.25
68.5	277		0.0000	1.0000	11.25
69.5	277		0.0000	1.0000	11.25
70.5	277		0.0000	1.0000	11.25
71.5					11.25

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1944-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	23,110,214		0.0000	1.0000	100.00
0.5	21,401,848		0.0000	1.0000	100.00
1.5	20,889,711		0.0000	1.0000	100.00
2.5	20,273,809	7,218	0.0004	0.9996	100.00
3.5	17,987,979	16,306	0.0009	0.9991	99.96
4.5	16,793,057	51,430	0.0031	0.9969	99.87
5.5	16,588,877	45,894	0.0028	0.9972	99.57
6.5	13,956,939	32,962	0.0024	0.9976	99.29
7.5	12,916,752	75,236	0.0058	0.9942	99.06
8.5	12,282,707	39,234	0.0032	0.9968	98.48
9.5	11,980,818	170,665	0.0142	0.9858	98.17
10.5	11,486,714	250,426	0.0218	0.9782	96.77
11.5	10,492,850	49,169	0.0047	0.9953	94.66
12.5	10,377,627	10,199	0.0010	0.9990	94.21
13.5	10,413,326	53,523	0.0051	0.9949	94.12
14.5	9,584,186	1,701	0.0002	0.9998	93.64
15.5	9,160,044	21,106	0.0023	0.9977	93.62
16.5	8,770,665	64,901	0.0074	0.9926	93.41
17.5	8,404,157		0.0000	1.0000	92.71
18.5	7,674,439	624	0.0001	0.9999	92.71
19.5	7,392,279	9,255	0.0013	0.9987	92.71
20.5	7,154,137	5,560	0.0008	0.9992	92.59
21.5	6,806,689	21,184	0.0031	0.9969	92.52
22.5	6,336,670	11,649	0.0018	0.9982	92.23
23.5	5,972,999	1	0.0000	1.0000	92.06
24.5	5,664,417	78,020	0.0138	0.9862	92.06
25.5	5,348,716	22,195	0.0041	0.9959	90.79
26.5	4,342,198	31,595	0.0073	0.9927	90.42
27.5	2,528,162	28,437	0.0112	0.9888	89.76
28.5	2,644,296	49,674	0.0188	0.9812	88.75
29.5	2,435,880	92,039	0.0378	0.9622	87.08
30.5	2,199,734	16,848	0.0077	0.9923	83.79
31.5	1,940,572	35,692	0.0184	0.9816	83.15
32.5	1,836,709	22,609	0.0123	0.9877	81.62
33.5	1,648,136	96,562	0.0586	0.9414	80.62
34.5	1,427,299	15,297	0.0107	0.9893	75.89
35.5	1,381,445	5,601	0.0041	0.9959	75.08
36.5	1,309,084	7,097	0.0054	0.9946	74.78
37.5	1,256,915	42,800	0.0341	0.9659	74.37
38.5	1,176,347	28,818	0.0245	0.9755	71.84

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
 ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1944-2017			EXPERIENCE BAND 1983-2017		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	898,521	16,823	0.0187	0.9813	70.08
40.5	846,796	3,802	0.0045	0.9955	68.77
41.5	801,188	93,212	0.1163	0.8837	68.46
42.5	679,520	9,738	0.0143	0.9857	60.49
43.5	633,248	40,974	0.0647	0.9353	59.63
44.5	522,935	1,904	0.0036	0.9964	55.77
45.5	195,523	4,501	0.0230	0.9770	55.56
46.5	190,353	3,272	0.0172	0.9828	54.29
47.5	187,081	485	0.0026	0.9974	53.35
48.5	186,596	1,799	0.0096	0.9904	53.21
49.5	184,798	122,826	0.6647	0.3353	52.70
50.5	61,972	8,187	0.1321	0.8679	17.67
51.5	53,784	7,531	0.1400	0.8600	15.34
52.5	46,254	1,724	0.0373	0.9627	13.19
53.5	44,530	323	0.0073	0.9927	12.70
54.5	44,207		0.0000	1.0000	12.61
55.5	43,278	3,518	0.0813	0.9187	12.61
56.5	39,760	1,288	0.0324	0.9676	11.58
57.5	38,472		0.0000	1.0000	11.21
58.5	38,270		0.0000	1.0000	11.21
59.5	37,214		0.0000	1.0000	11.21
60.5	29,806		0.0000	1.0000	11.21
61.5	29,104		0.0000	1.0000	11.21
62.5	28,982		0.0000	1.0000	11.21
63.5	28,982		0.0000	1.0000	11.21
64.5	28,871		0.0000	1.0000	11.21
65.5	20,131		0.0000	1.0000	11.21
66.5	3,223		0.0000	1.0000	11.21
67.5	1,634		0.0000	1.0000	11.21
68.5	277		0.0000	1.0000	11.21
69.5	277		0.0000	1.0000	11.21
70.5	277		0.0000	1.0000	11.21
71.5					11.21



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**PART VIII. NET SALVAGE STATISTICS**

LOUISVILLE GAS AND ELECTRIC COMPANY  
 TABLE 2. CALCULATION OF WEIGHTED NET SALVAGE PERCENT FOR GENERATION PLANT AS OF DECEMBER 31, 2017

Account	Total Dispositions			Initial Dispositions			Total Net Salvage (\$)	Total Dispositions (\$)	Estimated Net Salvage (%)
	Net Salvage (\$)	Net Salvage (%)	Net Salvage (%)	Net Salvage (\$)	Net Salvage (%)	Net Salvage (%)			
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	
<b>STEAM PRODUCTION PLANT</b>									
<b>CAKE RUN GENERATING STATION</b>									
311 STRUCTURES AND IMPROVEMENTS	16,811,037	(1,681,106)	(10)	-	(2)	-	(1,681,108)	16,811,037	(10)
312 BOILER PLANT EQUIPMENT	6,946,973	(694,697)	(10)	-	(2)	-	(694,699)	6,946,973	(10)
314 TURBOGENERATOR UNITS	1,182,044	(118,204)	(10)	-	(2)	-	(118,206)	1,182,044	(10)
315 ACCESSORY ELECTRIC EQUIPMENT	1,211	(121)	(10)	-	(2)	-	(123)	1,211	(10)
318 MISCELLANEOUS POWER PLANT EQUIPMENT	688,122	(68,812)	(10)	-	(2)	-	(69,014)	688,122	(10)
TOTAL CAKE RUN GENERATING STATION	24,556,487	(2,454,939)		-		-	(2,454,939)	24,556,487	
<b>MEL CREEK GENERATING STATION</b>									
311 STRUCTURES AND IMPROVEMENTS	141,773,504	(14,177,350)	(10)	6,273,313	(5)	(17,800,120)	(17,800,120)	156,866,637	(10)
312 BOILER PLANT EQUIPMENT	1,378,258,263	(137,825,826)	(10)	239,745,825	(18)	(59,356,450)	(70,236,421)	1,618,243,338	(10)
314 TURBOGENERATOR UNITS	148,163,198	(14,816,319)	(10)	28,907,495	(19)	(3,900,200)	(17,332,114)	166,166,855	(10)
315 ACCESSORY ELECTRIC EQUIPMENT	86,418,822	(8,641,882)	(10)	17,488,281	(20)	(2,161,482)	(9,522,771)	95,939,325	(10)
318 MISCELLANEOUS POWER PLANT EQUIPMENT	3,729,999	(372,999)	(10)	2,316,381	(6)	(30,282)	(30,282)	3,729,999	(10)
TOTAL MEL CREEK GENERATING STATION	1,727,374,687	(172,777,577)		292,724,270	(17)	(80,218,434)	(207,962,624)	2,012,449,940	(10)
<b>TRIMBLE COUNTY GENERATING STATION</b>									
311 STRUCTURES AND IMPROVEMENTS	112,842,118	(11,284,212)	(10)	53,817,241	(5)	(13,783,302)	(13,486,190)	125,615,419	(10)
312 BOILER PLANT EQUIPMENT	248,208,897	(24,820,889)	(10)	211,843,281	(8)	(62,742,115)	(81,488,896)	267,110,841	(10)
314 TURBOGENERATOR UNITS	82,842,362	(8,284,236)	(10)	28,802,033	(3)	(4,744,263)	(4,944,162)	87,898,200	(10)
315 ACCESSORY ELECTRIC EQUIPMENT	62,818,881	(6,281,888)	(10)	25,837,096	(4)	(3,441,697)	(3,944,541)	68,863,330	(10)
318 MISCELLANEOUS POWER PLANT EQUIPMENT	2,111,282	(211,128)	(10)	2,414,284	(1)	(30,282)	(30,282)	2,111,282	(10)
TOTAL TRIMBLE COUNTY GENERATING STATION	501,823,540	(50,194,347)		214,286,735	(4)	(84,318,122)	(71,569,380)	430,254,159	(10)
TOTAL STEAM PRODUCTION PLANT	2,229,209,227	(222,922,413)		677,497,241		(183,112,611)	(183,532,004)	2,046,206,824	

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1972	5,380	162	3		0	162-	3-
1973	9,301		0	775	8	775	8
1974	166,455	30,008	18	552	0	29,456-	18-
1975	4,816	2,201	46		0	2,201-	46-
1976	17,364	2,461	14	148	1	2,313-	13-
1977	9,993	3,390	34		0	3,390-	34-
1978	706		0		0		0
1979	35,088	9,102	26	1,550	4	7,552-	22-
1980	4,245		0		0		0
1981	336,223	1,656	0		0	1,656-	0
1982	3,566	335	9		0	335-	9-
1983	527,107	734	0	11	0	723-	0
1984	7,999,955	139,134	2		0	139,134-	2-
1985	27,301	57,960	212		0	57,960-	212-
1986	83,061	29,750	36	10,787	13	18,963-	23-
1987	125,887	20,183	16	69	0	20,114-	16-
1988	19,638		0		0		0
1989	4,499		0		0		0
1990							
1991	67,462	17,694	26		0	17,694-	26-
1992	141,612	1,588	1		0	1,588-	1-
1993	279,758	44,837	16		0	44,837-	16-
1994	52,490		0		0		0
1995	258,855	21,373	8	1,279	0	20,094-	8-
1996	135,288	54,185	40	6,329	5	47,856-	35-
1997	70,532	8,504	12	8,625	12	121	0
1998	448,015	207,901	46		0	207,901-	46-
1999	110,093	36,068	33	697	1	35,371-	32-
2000	40,964		0		0		0
2001	171,276	990	1		0	990-	1-
2002	111,468		0		0		0
2003	865,133	100,649	12		0	100,649-	12-
2004	629,199	260,812	41		0	260,812-	41-
2005	921,450	114,744	12		0	114,744-	12-
2006	697,724	278,680	40		0	278,680-	40-
2007	78,460	3,894	5		0	3,894-	5-
2008	81,616	16,027	20		0	16,027-	20-
2009	484,516	172,070	36		0	172,070-	36-
2010	176,038	90,160	51		0	90,160-	51-
2011	4,196,980	1,255,579	30		0	1,255,579-	30-
2012	346,525	407,133	117		0	407,133-	117-
2013	524,191	840,164	160	398	0	839,766-	160-
2014	639,283	480,834	75		0	480,834-	75-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 311 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2015	849,133	418,910	49		0	418,910-	49-
2016	533,975	80,996	15		0	80,996-	15-
2017	209,322	68,731	33		0	68,731-	33-
TOTAL	22,501,944	5,279,598	23	31,220	0	5,248,378-	23-

THREE-YEAR MOVING AVERAGES

72-74	60,379	10,057	17	442	1	9,614-	16-
73-75	60,191	10,736	18	442	1	10,294-	17-
74-76	62,878	11,557	18	233	0	11,323-	18-
75-77	10,724	2,684	25	49	0	2,635-	25-
76-78	9,354	1,950	21	49	1	1,901-	20-
77-79	15,262	4,164	27	517	3	3,647-	24-
78-80	13,346	3,034	23	517	4	2,517-	19-
79-81	125,185	3,586	3	517	0	3,069-	2-
80-82	114,678	664	1		0	664-	1-
81-83	288,965	908	0	4	0	905-	0
82-84	2,843,543	46,734	2	4	0	46,731-	2-
83-85	2,851,454	65,943	2	4	0	65,939-	2-
84-86	2,703,439	75,615	3	3,596	0	72,019-	3-
85-87	78,750	35,964	46	3,619	5	32,346-	41-
86-88	76,195	16,644	22	3,619	5	13,026-	17-
87-89	50,008	6,728	13	23	0	6,705-	13-
88-90	8,046		0		0		0
89-91	23,987	5,898	25		0	5,898-	25-
90-92	69,691	6,427	9		0	6,427-	9-
91-93	162,944	21,373	13		0	21,373-	13-
92-94	157,953	15,475	10		0	15,475-	10-
93-95	197,034	22,070	11		0	21,644-	11-
94-96	148,878	25,186	17	426	0	22,650-	15-
95-97	154,892	28,021	18	5,411	3	22,610-	15-
96-98	217,945	90,197	41	4,985	2	85,212-	39-
97-99	209,547	84,158	40	3,107	1	81,050-	39-
98-00	199,691	81,323	41	232	0	81,091-	41-
99-01	107,444	12,353	11	232	0	12,120-	11-
00-02	107,903	330	0		0	330-	0
01-03	382,626	33,880	9		0	33,880-	9-
02-04	535,267	120,487	23		0	120,487-	23-
03-05	805,261	158,735	20		0	158,735-	20-
04-06	749,457	218,078	29		0	218,078-	29-
05-07	565,878	132,439	23		0	132,439-	23-
06-08	285,933	99,533	35		0	99,533-	35-



LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNTS 311 STRUCTURES AND IMPROVEMENTS  
 SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
07-09	214,864	63,997	30		0	63,997-	30-
08-10	247,390	92,752	37		0	92,752-	37-
09-11	1,619,178	505,937	31		0	505,937-	31-
10-12	1,573,181	584,291	37		0	584,291-	37-
11-13	1,689,232	834,292	49	133	0	834,159-	49-
12-14	503,333	576,044	114	133	0	575,911-	114-
13-15	670,869	579,970	86	133	0	579,837-	86-
14-16	674,130	326,914	48		0	326,914-	48-
15-17	530,810	189,546	36		0	189,546-	36-
FIVE-YEAR AVERAGE							
13-17	551,181	377,927	69	80	0	377,847-	69-

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNTS 312 BOILER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1973	62,803	4,171	7	648	1	3,523-	6-
1974	7,673	6,835	89	12	0	6,823-	89-
1975	3,085	402	13	383	12	19-	1-
1976	3,221		0		0		0
1977	326,169	62,640	19	5,757	2	56,883-	17-
1978	194,645	243	0	2,078	1	1,835	1
1979	2,069,174	10,000	0		0	10,000-	0
1980	553,764	39,529	7	5,000	1	34,529-	6-
1981	5,642,246	130,545	2		0	130,545-	2-
1982	1,289,749	35,582	3		0	35,582-	3-
1983	2,872,642	34,486	1	10,535	0	23,951-	1-
1984	19,009,765	1,405,123	7	25,077	0	1,380,046-	7-
1985	11,336,125	1,868,829	16	24,791	0	1,844,038-	16-
1986	4,583,696	2,041,987	45	23,452	1	2,018,535-	44-
1987	5,711,646	882,146	15	7,564	0	874,582-	15-
1988	981,609	220,046	22	84-	0	220,130-	22-
1989	1,150,890	29,619	3		0	29,619-	3-
1990	274,896	45,528	17		0	45,528-	17-
1991	514,723	1,963	0		0	1,963-	0
1992	657,502	37,558-	6-		0	37,558	6
1993	727,737	130,969-	18-	8,692	1	139,661	19
1994	518,558	102,303	20	4,250	1	98,053-	19-
1995	8,391,354	687,291	8	41,471	0	645,820-	8-
1996	2,043,488	614,554	30	95,593	5	518,961-	25-
1997	1,563,889	188,562	12	191,250	12	2,688	0
1998	2,744,038	1,273,372	46		0	1,273,372-	46-
1999	6,407,359	2,121,390	33	41,005	1	2,080,385-	32-
2000	1,939,284	549,421	28	319,613	16	229,808-	12-
2001	8,057,111	330,086	4		0	330,086-	4-
2002	5,505,871	495,797	9		0	495,797-	9-
2003	7,090,285	9,195	0		0	9,195-	0
2004	6,901,489	1,994,239	29		0	1,994,239-	29-
2005	4,197,701	1,079,108	26		0	1,079,108-	26-
2006	27,711,972	10,223,501	37	577,580	2	9,645,921-	35-
2007	3,035,537	815,490	26	281,090	9	534,400-	17-
2008	3,796,631	1,500,760	40	86,662	2	1,414,098-	37-
2009	7,012,615	3,053,175	44	27,191	0	3,025,984-	43-
2010	3,987,134	597,884	15	45,462	1	552,423-	14-
2011	17,737,600	2,541,970	14	34,636	0	2,507,334-	14-
2012	11,636,251	2,473,206	21	199,351	2	2,273,855-	20-
2013	5,121,553	4,060,365	79	76,189	1	3,984,177-	78-
2014	6,768,408	1,151,687	17		0	1,151,687-	17-
2015	18,814,164	5,191,059	28	44,171	0	5,146,888-	27-

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNTS 312 BOILER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2016	8,494,131	1,452,191	17	22,890	0	1,429,301-	17-
2017	8,073,501	10,017,154	124		0	10,017,154-	124-
<b>TOTAL</b>	<b>235,583,683</b>	<b>59,174,907</b>	<b>25</b>	<b>2,202,309</b>	<b>1</b>	<b>56,972,598-</b>	<b>24-</b>

THREE-YEAR MOVING AVERAGES

73-75	24,520	3,803	16	348	1	3,455-	14-
74-76	4,660	2,412	52	132	3	2,281-	49-
75-77	110,825	21,014	19	2,047	2	18,967-	17-
76-78	174,678	20,961	12	2,612	1	18,349-	11-
77-79	863,329	24,294	3	2,612	0	21,683-	3-
78-80	939,194	16,591	2	2,359	0	14,231-	2-
79-81	2,755,061	60,025	2	1,667	0	58,358-	2-
80-82	2,495,253	68,552	3	1,667	0	66,885-	3-
81-83	3,268,212	66,871	2	3,512	0	63,359-	2-
82-84	7,724,052	491,730	6	11,871	0	479,860-	6-
83-85	11,072,844	1,102,813	10	20,134	0	1,082,678-	10-
84-86	11,643,195	1,771,980	15	24,440	0	1,747,540-	15-
85-87	7,210,489	1,597,654	22	18,602	0	1,579,052-	22-
86-88	3,758,984	1,048,060	28	10,311	0	1,037,749-	28-
87-89	2,614,715	377,270	14	2,493	0	374,777-	14-
88-90	802,465	98,398	12	28-	0	98,426-	12-
89-91	646,836	25,703	4		0	25,703-	4-
90-92	482,374	3,311	1		0	3,311-	1-
91-93	633,321	55,521-	9-	2,897	0	58,419	9
92-94	634,599	22,075-	3-	4,314	1	26,389	4
93-95	3,212,550	219,542	7	18,138	1	201,404-	6-
94-96	3,651,133	468,049	13	47,105	1	420,945-	12-
95-97	3,999,577	496,802	12	109,438	3	387,364-	10-
96-98	2,117,138	692,163	33	95,614	5	596,548-	28-
97-99	3,571,762	1,194,441	33	77,418	2	1,117,023-	31-
98-00	3,696,894	1,314,728	36	120,206	3	1,194,522-	32-
99-01	5,467,918	1,000,299	18	120,206	2	880,093-	16-
00-02	5,167,422	458,435	9	106,538	2	351,897-	7-
01-03	6,884,422	278,359	4		0	278,359-	4-
02-04	6,499,215	833,077	13		0	833,077-	13-
03-05	6,063,158	1,027,514	17		0	1,027,514-	17-
04-06	12,937,054	4,432,282	34	192,527	1	4,239,756-	33-
05-07	11,668,403	4,039,366	35	286,223	2	3,753,143-	32-
06-08	11,534,714	4,179,917	36	315,110	3	3,864,806-	34-
07-09	4,634,928	1,789,808	39	131,648	3	1,658,161-	36-
08-10	4,932,127	1,717,273	35	53,105	1	1,664,168-	34-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 312 BOILER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
09-11	9,579,116	2,064,343	22	35,763	0	2,028,580	21-
10-12	11,120,328	1,871,020	17	93,150	1	1,777,870	16-
11-13	11,498,468	3,025,181	26	103,392	1	2,921,788	25-
12-14	7,842,070	2,561,753	33	91,847	1	2,469,906	31-
13-15	10,234,708	3,467,704	34	40,120	0	3,427,584	33-
14-16	11,358,901	2,598,312	23	22,354	0	2,575,959	23-
15-17	11,793,932	5,553,468	47	22,354	0	5,531,114	47-
FIVE-YEAR AVERAGE							
13-17	9,454,351	4,374,491	46	28,650	0	4,345,841	46-

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNTS 314 TURBOGENERATOR UNITS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1974	5,300	3,167	60		0	3,167-	60-
1975	5,583		0		0		0
1976							
1977							
1978	17,277	2,051	12	2,818	16	767	4
1979	1,527,611		0		0		0
1980	8,705		0		0		0
1981	3,710,700		0		0		0
1982	6,074	620	10		0	620-	10-
1983	2,465,234		0		0		0
1984	2,791,319		0		0		0
1985	7,690,532	899	0		0	899-	0
1986	18,073	813	4		0	813-	4-
1987	43,600	2,606	6	17	0	2,589-	6-
1988	122,693		0		0		0
1989							
1990	15,000		0		0		0
1991	1,406,443		0		0		0
1992	15,000		0		0		0
1993	22,000	524	2		0	524-	2-
1994	110,318	22,262	20		0	22,262-	20-
1995	4,566,240	377,019	8	22,567	0	354,452-	8-
1996	1,314,385	530,805	40	61,486	5	469,319-	36-
1997	612,710	73,876	12	74,929	12	1,053	0
1998							
1999	5,000	1,782	36	34	1	1,748-	35-
2000							
2001							
2002	94,480		0		0		0
2003	3,077,538	277,920	9		0	277,920-	9-
2004	1,160,157	373,601	32		0	373,601-	32-
2005	464,123	60,425	13		0	60,425-	13-
2006	2,965,022	532,312	18		0	532,312-	18-
2007	115,565	2,600	2		0	2,600-	2-
2008	33,017	46,464	141		0	46,464-	141-
2009	754,568	465,855	62		0	465,855-	62-
2010	103,475	3,278	3		0	3,278-	3-
2011	3,093,988	109,173	4		0	109,173-	4-
2012	2,675,754	1,278,417	48		0	1,278,417-	48-
2013	998,736	661,894	66		0	661,894-	66-
2014	564,792	500,640	89		0	500,640-	89-
2015	7,699,476	1,289,267	17	923,936	12	365,331-	5-

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNTS 314 TURBOGENERATOR UNITS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2016	1,079,649	953,014	88		0	953,014-	88-
2017	1,207,097	296,938	25	748,976	62	452,038	37
TOTAL	52,567,234	7,868,222	15	1,834,763	3	6,033,460-	11-

THREE-YEAR MOVING AVERAGES

74-76	3,628	1,056	29		0	1,056-	29-
75-77	1,861		0		0		0
76-78	5,759	684	12	939	16	256	4
77-79	514,963	684	0	939	0	256	0
78-80	517,864	684	0	939	0	256	0
79-81	1,749,005		0		0		0
80-82	1,241,826	207	0		0	207-	0
81-83	2,060,669	207	0		0	207-	0
82-84	1,754,209	207	0		0	207-	0
83-85	4,315,695	300	0		0	300-	0
84-86	3,499,975	571	0		0	571-	0
85-87	2,584,068	1,439	0	6	0	1,434-	0
86-88	61,455	1,140	2	6	0	1,134-	2-
87-89	55,431	869	2	6	0	863-	2-
88-90	45,898		0		0		0
89-91	473,814		0		0		0
90-92	478,814		0		0		0
91-93	481,148	175	0		0	175-	0
92-94	49,106	7,595	15		0	7,595-	15-
93-95	1,566,186	133,268	9	7,522	0	125,746-	8-
94-96	1,996,981	310,029	16	28,018	1	282,011-	14-
95-97	2,164,445	327,233	15	52,994	2	274,239-	13-
96-98	642,365	201,560	31	45,472	7	156,089-	24-
97-99	205,903	25,219	12	24,988	12	232-	0
98-00	1,667	594	36	11	1	583-	35-
99-01	1,667	594	36	11	1	583-	35-
00-02	31,493		0		0		0
01-03	1,057,339	92,640	9		0	92,640-	9-
02-04	1,444,058	217,174	15		0	217,174-	15-
03-05	1,567,273	237,316	15		0	237,316-	15-
04-06	1,529,767	322,113	21		0	322,113-	21-
05-07	1,181,570	198,446	17		0	198,446-	17-
06-08	1,037,868	193,792	19		0	193,792-	19-
07-09	301,050	171,639	57		0	171,639-	57-
08-10	297,020	171,866	58		0	171,866-	58-
09-11	1,317,344	192,769	15		0	192,769-	15-

LOUISVILLE GAS AND ELECTRIC COMPANY  
 ACCOUNTS 314 TURBOGENERATOR UNITS  
 SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
10-12	1,957,739	463,623	24		0	463,623-	24-
11-13	2,256,159	683,161	30		0	683,161-	30-
12-14	1,413,094	813,650	58		0	813,650-	58-
13-15	3,087,668	817,267	26	307,979	10	509,289-	16-
14-16	3,114,639	914,307	29	307,979	10	606,328-	19-
15-17	3,328,741	846,406	25	557,637	17	288,769-	9-
FIVE-YEAR AVERAGE							
13-17	2,309,950	740,351	32	334,582	14	405,768-	18-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 315 ACCESSORY ELECTRIC EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1972	33,729	502	1		0	502-	1-
1973	7,724		0	1,966	25	1,966	25
1974	10,311	417	4		0	417-	4-
1975	11,172	521	5	2,381	21	1,860	17
1976	3,903	38,121	977	2,393	61	35,728-	915-
1977	22,153	794	4		0	794-	4-
1978	23,703	1,238	5	4,573	19	3,335	14
1979	140,861	388	0	123	0	265-	0
1980	127,304	1,849	1		0	1,849-	1-
1981	963,033		0	1,261	0	1,261	0
1982	8,574	993	12	999	12	6	0
1983	302,710	13-	0	688	0	701	0
1984	1,628,052	4,221	0		0	4,221-	0
1985	1,108,851	2,002	0		0	2,002-	0
1986	13,971		0		0		0
1987	807,408	95,681	12	926	0	94,755-	12-
1988	12,928	3,297	26	10-	0	3,307-	26-
1989	97,796		0		0		0
1990	76,484	16,433-	21-	2,100	3	18,533	24
1991	313,936	1,028	0		0	1,028-	0
1992	61,486	10,547	17		0	10,547-	17-
1993	473,682	6,732-	1-		0	6,732	1
1994	22,000		0		0		0
1995	822,779	67,935	8	4,066	0	63,869-	8-
1996	348,770	140,848	40	16,315	5	124,533-	36-
1997	1,032,281	124,452	12	126,227	12	1,775	0
1998							
1999	2,918	1,040	36	21	1	1,019-	35-
2000	671,474	16,128	2		0	16,128-	2-
2001	34,589		0		0		0
2002	102,272		0		0		0
2003	74,452		0		0		0
2004	829,101	26,830	3		0	26,830-	3-
2005							
2006	1,043,304	59,113	6		0	59,113-	6-
2007	106,068	23,111	22	500	0	22,611-	21-
2008	32,633	1,065	3		0	1,065-	3-
2009	197,219	109,483	56		0	109,483-	56-
2010	20,993	18,899	90		0	18,899-	90-
2011	639,407	243,700	38		0	243,700-	38-
2012	282,287	303,914	108	11,875	4	292,039-	103-
2013	671,068	33,992	5		0	33,992-	5-
2014	196,133	211,869	108		0	211,869-	108-



LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 315 ACCESSORY ELECTRIC EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2015	103,922	131,720	127	27,260	26	104,461-	101-
2016	173,708	56,804	33	42,500	24	14,304-	8-
2017	22,054	19,822	90		0	19,822-	90-
<b>TOTAL</b>	<b>13,679,104</b>	<b>1,729,147</b>	<b>13</b>	<b>246,164</b>	<b>2</b>	<b>1,482,983-</b>	<b>11-</b>

THREE-YEAR MOVING AVERAGES

72-74	17,255	306	2	655	4	349	2
73-75	9,736	313	3	1,449	15	1,136	12
74-76	8,462	13,020	154	1,591	19	11,428-	135-
75-77	12,409	13,145	106	1,591	13	11,554-	93-
76-78	16,586	13,384	81	2,322	14	11,062-	67-
77-79	62,239	807	1	1,565	3	759	1
78-80	97,289	1,158	1	1,565	2	407	0
79-81	410,399	746	0	461	0	284-	0
80-82	366,304	947	0	753	0	194-	0
81-83	424,772	327	0	983	0	656	0
82-84	646,445	1,734	0	562	0	1,171-	0
83-85	1,013,204	2,070	0	229	0	1,841-	0
84-86	916,958	2,074	0		0	2,074-	0
85-87	643,410	32,561	5	309	0	32,252-	5-
86-88	278,102	32,993	12	305	0	32,687-	12-
87-89	306,044	32,993	11	305	0	32,687-	11-
88-90	62,403	4,379-	7-	697	1	5,075	8
89-91	162,739	5,135-	3-	700	0	5,835	4
90-92	150,635	1,619-	1-	700	0	2,319	2
91-93	283,035	1,614	1		0	1,614-	1-
92-94	185,723	1,272	1		0	1,272-	1-
93-95	439,487	20,401	5	1,355	0	19,046-	4-
94-96	397,850	69,594	17	6,794	2	62,801-	16-
95-97	734,577	111,078	15	48,869	7	62,209-	8-
96-98	460,317	88,433	19	47,514	10	40,919-	9-
97-99	345,033	41,831	12	42,083	12	252	0
98-00	224,797	5,723	3	7	0	5,716-	3-
99-01	236,327	5,723	2	7	0	5,716-	2-
00-02	269,445	5,376	2		0	5,376-	2-
01-03	70,438		0		0		0
02-04	335,275	8,943	3		0	8,943-	3-
03-05	301,184	8,943	3		0	8,943-	3-
04-06	624,135	28,648	5		0	28,648-	5-
05-07	383,124	27,408	7	167	0	27,241-	7-
06-08	394,002	27,763	7	167	0	27,596-	7-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 315 ACCESSORY ELECTRIC EQUIPMENT  
SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
07-09	111,974	44,553	40	167	0	44,386-	40-
08-10	83,615	43,149	52		0	43,149-	52-
09-11	285,873	124,027	43		0	124,027-	43-
10-12	314,229	188,838	60	3,958	1	184,879-	59-
11-13	530,921	193,869	37	3,958	1	189,910-	36-
12-14	383,163	183,258	48	3,958	1	179,300-	47-
13-15	323,708	125,860	39	9,087	3	116,774-	36-
14-16	157,921	133,464	85	23,253	15	110,211-	70-
15-17	99,895	69,449	70	23,253	23	46,196-	46-
FIVE-YEAR AVERAGE							
13-17	233,377	90,842	39	13,952	6	76,890-	33-

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNTS 316 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1972	985	62	6		0	62-	6-
1973							
1974	2,625		0	2,800	107	2,800	107
1975	2,166		0		0		0
1976	3,217		0		0		0
1977	4,112		0		0		0
1978	2,193		0	48	2	48	2
1979	33,145	43	0		0	43-	0
1980	1,734		0		0		0
1981	15,052		0	7,500	50	7,500	50
1982	350		0		0		0
1983	309		0		0		0
1984	344,269		0		0		0
1985	68,016		0	53	0	53	0
1986	7,808		0		0		0
1987	5,311		0		0		0
1988	1,311		0		0		0
1989	318		0	175	55	175	55
1990	17,214	1,000-	6-		0	1,000	6
1991	15,986		0		0		0
1992	5,162		0		0		0
1993	137,323		0		0		0
1994							
1995	114,896	9,487	8	568	0	8,919-	8-
1996	386,595	156,124	40	18,085	5	138,039-	36-
1997	63,113	7,610	12	7,719	12	109	0
1998							
1999							
2000							
2001							
2002		537				537-	
2003	1,600	437	27		0	437-	27-
2004	159,413	4,944	3		0	4,944-	3-
2005							
2006	85,294	1,237	1		0	1,237-	1-
2007	76,996		0		0		0
2008	37,166		0	103,285	278	103,285	278
2009	31,210	2,109	7		0	2,109-	7-
2010	18,529		0		0		0
2011	66,012		0		0		0
2012	20,219		0		0		0
2013	7,457		0		0		0
2014	94,077		0		0		0

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNTS 316 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2015	79,363	188	0		0	188-	0
2016	123,602	5,116	4	2,650	2	2,466-	2-
2017	207,367		0		0		0
<b>TOTAL</b>	<b>2,241,514</b>	<b>186,894</b>	<b>8</b>	<b>142,883</b>	<b>6</b>	<b>44,011-</b>	<b>2-</b>

THREE-YEAR MOVING AVERAGES

72-74	1,203	21	2	933	78	913	76
73-75	1,597		0	933	58	933	58
74-76	2,669		0	933	35	933	35
75-77	3,165		0		0		0
76-78	3,174		0	16	1	16	1
77-79	13,150	14	0	16	0	2	0
78-80	12,357	14	0	16	0	2	0
79-81	16,644	14	0	2,500	15	2,486	15
80-82	5,712		0	2,500	44	2,500	44
81-83	5,237		0	2,500	48	2,500	48
82-84	114,976		0		0		0
83-85	137,531		0	18	0	18	0
84-86	140,031		0	18	0	18	0
85-87	27,045		0	18	0	18	0
86-88	4,810		0		0		0
87-89	2,313		0	58	3	58	3
88-90	6,281	333-	5-	58	1	392	6
89-91	11,173	333-	3-	58	1	392	4
90-92	12,787	333-	3-		0	333	3
91-93	52,824		0		0		0
92-94	47,495		0		0		0
93-95	84,073	3,162	4	189	0	2,973-	4-
94-96	167,164	55,204	33	6,218	4	48,986-	29-
95-97	188,201	57,740	31	8,791	5	48,950-	26-
96-98	149,903	54,578	36	8,601	6	45,977-	31-
97-99	21,038	2,537	12	2,573	12	36	0
98-00							
99-01							
00-02		179				179-	
01-03	533	325	61		0	325-	61-
02-04	53,671	1,973	4		0	1,973-	4-
03-05	53,671	1,794	3		0	1,794-	3-
04-06	81,569	2,060	3		0	2,060-	3-
05-07	54,097	412	1		0	412-	1-
06-08	66,485	412	1	34,428	52	34,016	51

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNTS 316 MISCELLANEOUS POWER PLANT EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
07-09	48,457	703	1	34,428	71	33,725	70
08-10	28,968	703	2	34,428	119	33,725	116
09-11	38,584	703	2		0	703-	2-
10-12	34,920		0		0		0
11-13	31,229		0		0		0
12-14	40,584		0		0		0
13-15	60,299	63	0		0	63-	0
14-16	99,014	1,768	2	883	1	885-	1-
15-17	136,777	1,768	1	883	1	885-	1-
FIVE-YEAR AVERAGE							
13-17	102,373	1,061	1	530	1	531-	1-



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**PART IX. DETAILED DEPRECIATION  
CALCULATIONS**

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YRAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RIVERPORT DISTRIBUTION CENTER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2063						
NET SALVAGE PERCENT.. -25						
2013	5,123,148.75	578,211	399,761	6,004,175	44.03	136,366
2014	33,726.75	3,018	2,087	40,072	44.09	909
2015	66,384.14	4,347	3,005	79,975	44.14	1,812
2016	49,048.13	1,961	1,356	59,954	44.20	1,356
2017	37,976.87	520	360	47,112	44.25	1,065
	5,310,284.64	588,057	406,568	6,231,288		141,508
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1965	46,093.05	39,534	46,776	3,926	13.91	282
1972	15,820,798.69	13,135,693	15,541,922	1,860,956	14.04	132,547
1975	218,872.61	178,687	211,419	29,341	14.09	2,082
1977	4,197.77	3,385	4,005	612	14.12	43
1980	21,540.90	17,013	20,129	3,566	14.16	252
1981	8,073.16	6,328	7,487	1,393	14.17	98
1987	63,301.24	46,998	55,607	14,024	14.24	985
1991	3,386.36	2,398	2,837	888	14.28	62
1995	24,680.99	16,447	19,460	7,689	14.31	537
1996	38,411.41	25,136	29,740	12,512	14.32	874
1997	9,807.25	6,296	7,449	3,339	14.32	233
1998	289,774.86	182,157	215,525	103,227	14.33	7,204
1999	37,622.65	23,113	27,347	14,038	14.34	979
2001	98,083.06	57,229	67,712	40,179	14.35	2,800
2002	180,486.93	102,186	120,905	77,631	14.36	5,406
2003	741,965.92	406,653	481,145	335,018	14.36	23,330
2004	357,057.23	188,640	223,196	169,567	14.37	11,800
2005	439,217.59	222,916	263,750	219,389	14.37	15,267
2007	22,336.81	10,289	12,174	12,397	14.38	862
2008	272,031.03	118,006	139,623	159,611	14.39	11,092
2009	52,008.41	21,086	24,949	32,261	14.39	2,242
2011	119,120.13	40,448	47,857	83,175	14.40	5,776
2012	103,784.67	31,288	37,019	77,144	14.41	5,354
2015	2,148,138.36	345,558	408,858	1,954,094	14.42	135,513
2016	111,292.14	11,465	13,565	108,856	14.42	7,549
	21,232,083.22	15,238,949	18,030,458	5,324,834		373,169



LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>MILL CREEK UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1975	9,819,205.32	7,746,567	9,111,356	1,689,770	15.95	105,942
1976	96,856.85	75,902	89,274	17,268	15.97	1,081
1977	4,197.78	3,267	3,843	775	15.99	48
1979	3,493.45	2,678	3,150	693	16.03	43
1986	5,995.00	4,310	5,069	1,525	16.14	94
1998	184,368.44	109,464	128,749	74,056	16.27	4,552
2003	120,824.91	61,931	72,842	60,065	16.32	3,680
2005	22,227.29	10,499	12,349	12,101	16.33	741
2006	171,004.69	76,943	90,499	97,606	16.34	5,973
2007	5,838.00	2,489	2,928	3,494	16.34	214
2011	500,905.40	155,216	182,562	368,434	16.37	22,507
2012	313,472.11	86,008	101,161	243,658	16.37	14,884
2015	2,523,154.21	363,503	427,545	2,347,925	16.39	143,254
2016	170,882.49	15,664	18,424	169,547	16.39	10,345
2017	218,586.90	6,975	8,204	232,242	16.40	14,161
	14,161,012.84	8,721,416	10,257,954	5,319,160		327,519
<b>MILL CREEK UNIT 2 SCRUBBER</b>						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1984	818,857.06	600,931	455,437	445,305	16.11	27,642
2015	4,151,771.11	598,133	453,317	4,113,632	16.39	250,984
	4,970,628.17	1,199,064	908,754	4,558,937		278,626
<b>MILL CREEK UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1980	6,510.54	4,613	6,090	1,071	19.76	54
1982	21,290,656.69	14,786,979	19,523,058	3,896,664	19.82	196,603
1984	106,138.64	73,498	97,038	21,914	19.87	1,103
1986	436,730.18	289,909	382,763	97,640	19.91	4,904
1987	164,685.65	107,935	142,505	38,649	19.93	1,939
1988	31,410.69	20,310	26,815	7,737	19.95	388

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1997	7,192.32	3,940	5,202	2,710	20.12	135
2002	21,186.01	9,994	13,195	10,110	20.19	501
2004	249,234.02	108,465	143,205	130,952	20.21	6,480
2006	240,970.16	94,944	125,353	139,714	20.23	6,906
2009	414,775.80	133,112	175,746	280,507	20.27	13,839
2010	229,013.42	67,239	88,775	163,140	20.27	8,048
2016	5,922,786.05	442,112	583,715	5,931,350	20.33	291,754
	29,123,290.17	16,143,050	21,313,461	10,722,158		532,654
MILL CREEK UNIT 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	124,786.75	86,668	30,882	106,384	19.82	5,368
2016	5,359,168.04	400,040	142,543	5,752,542	20.33	282,958
2017	10,561.49	279	99	11,518	20.33	567
	5,494,516.28	486,987	173,524	5,870,444		288,893
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1978	16,235.95	10,997	12,381	5,478	23.31	235
1983	2,920,019.88	1,873,123	2,108,877	1,103,145	23.51	46,922
1984	33,105,032.98	20,971,707	23,611,238	12,804,298	23.55	543,707
1985	16,032.01	10,026	11,288	6,347	23.58	269
1986	10,854,342.52	6,697,140	7,540,052	4,399,724	23.61	186,350
1987	2,747,622.50	1,670,925	1,881,230	1,141,155	23.65	48,252
1988	1,132,027.85	678,178	763,535	481,696	23.68	20,342
1989	420,234.94	247,817	279,008	183,251	23.71	7,729
1990	139,393.92	80,836	91,010	62,323	23.74	2,625
1991	31,466.81	17,928	20,184	14,429	23.77	607
1994	168,295.50	90,337	101,707	83,418	23.85	3,498
1995	1,130,198.34	593,289	667,961	575,257	23.87	24,100
1996	311,789.92	159,755	179,862	163,107	23.90	6,825
1997	227,958.65	113,845	128,174	122,581	23.92	5,125

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1998	442,793.64	215,140	242,218	244,855	23.94	10,228
1999	113,470.26	53,527	60,264	64,553	23.96	2,694
2000	74,447.42	34,019	38,301	43,591	23.98	1,818
2001	687,863.94	303,379	341,563	415,088	24.01	17,288
2002	586,204.16	249,102	280,454	364,370	24.02	15,169
2003	1,368,701.79	557,845	628,056	877,516	24.04	36,502
2004	292,312.92	113,856	128,186	193,358	24.06	8,036
2005	525,643.99	194,648	219,147	359,062	24.08	14,911
2006	166,238.65	58,196	65,521	117,342	24.10	4,869
2007	19,894.23	6,541	7,364	14,519	24.11	602
2008	25,127.93	7,695	8,664	18,977	24.13	786
2009	956,448.27	270,146	304,147	747,946	24.14	30,984
2010	483,570.90	124,205	139,838	392,090	24.16	16,229
2011	1,236,829.35	284,483	320,288	1,040,224	24.17	43,038
2012	252,495.83	50,686	57,065	220,680	24.19	9,123
2013	479,312.70	81,428	91,677	435,567	24.20	17,999
2014	9,500,493.24	1,300,152	1,463,791	8,986,751	24.21	371,200
2015	879,677.92	89,217	100,446	867,200	24.22	35,805
2016	340,734.69	21,578	24,294	350,514	24.23	14,466
2017	1,627,997.79	35,476	39,941	1,750,857	24.25	72,200
	73,280,911.39	37,267,222	41,957,732	38,651,271		1,620,533
MILL CREEK UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1983	1,812,836.17	1,162,891	1,474,208	519,912	23.51	22,115
1984	320,219.90	202,856	257,162	95,079	23.55	4,037
2001	58,236.12	25,685	32,561	31,499	24.01	1,312
2004	212,084.02	82,607	104,722	128,571	24.06	5,344
2005	14,020.31	5,192	6,582	8,840	24.08	367
2006	12,043.50	4,216	5,345	7,903	24.10	328
2013	7,305.53	1,241	1,573	6,463	24.20	267
2014	3,337,266.72	456,708	578,973	3,092,020	24.21	127,717
2017	18,363.52	400	507	19,693	24.25	812
	5,792,375.79	1,941,796	2,461,633	3,909,980		162,299

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	103,453,966.09	54,067,277	64,520,573	53,416,949	31.01	1,722,572
1993	261,010.60	127,840	152,556	144,996	31.17	4,652
1994	362,457.24	173,363	206,881	206,320	31.21	6,611
1995	520,162.37	242,507	289,393	303,592	31.26	9,712
1996	124,393.22	56,423	67,332	74,477	31.31	2,379
1997	540,527.91	238,236	284,296	331,906	31.35	10,587
1998	291,947.64	124,684	148,790	184,030	31.40	5,861
1999	20,033.30	8,276	9,876	12,962	31.44	412
2000	112,766.78	44,941	53,630	74,924	31.48	2,380
2001	60,760.43	23,293	27,796	41,470	31.52	1,316
2002	259,907.60	95,543	114,015	182,280	31.56	5,776
2003	446,282.16	156,775	187,086	321,676	31.59	10,183
2004	80,252.62	26,809	31,992	59,496	31.63	1,881
2006	5,878.80	1,747	2,085	4,617	31.70	146
2007	3,126.83	868	1,036	2,529	31.73	80
2008	510,515.04	131,378	156,778	425,209	31.76	13,388
2009	150,166.01	35,409	42,255	128,934	31.79	4,056
2010	85,397.39	18,207	21,727	75,626	31.82	2,377
2011	33,353.80	6,322	7,544	30,479	31.84	957
2013	43,040.44	5,947	7,097	41,969	31.90	1,316
2017	116,477.02	2,004	2,391	130,392	31.99	4,076
	107,482,423.29	55,587,849	66,335,130	56,194,833		1,810,718
TRIMBLE COUNTY UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	101,916.70	53,264	1,970	114,215	31.01	3,683
1996	20,052.22	9,095	336	22,523	31.31	719
2004	61,254.94	20,462	757	69,074	31.63	2,184
2013	705,791.36	97,526	3,607	800,995	31.90	25,110
	889,015.22	180,347	6,671	1,006,806		31,696

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
1990	22,344.25	9,383	10,043	15,430	44.36	348
2011	15,149,274.41	2,053,942	2,198,375	15,071,798	46.60	323,429
2012	409,666.94	47,781	51,141	415,879	46.68	8,909
2013	86,118.30	8,375	8,964	89,211	46.75	1,908
2014	154,925.17	11,960	12,801	163,814	46.81	3,500
2015	176,813.39	9,933	10,631	190,936	46.88	4,073
2016	404,264.65	13,904	14,882	445,980	46.94	9,501
2017	999,973.89	11,764	12,591	1,127,379	47.00	23,987
	17,403,381.00	2,167,042	2,319,428	17,520,426		375,655
TRIMBLE COUNTY UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	69,521.69	9,426	7,436	71,819	46.60	1,541
2012	411.79	48	38	432	46.68	9
2017	14,666.45	173	136	16,583	47.00	353
	84,599.93	9,647	7,610	88,834		1,903
	285,224,521.94	139,531,426	164,178,923	155,398,971		5,945,173
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 26.1 2.08						

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1955	1,639,190.12	1,803,109	1,803,109			
1986	0.40		0			
1997	39,193.77	43,113	43,113			
1998	41,520.99	45,673	45,673			
2000	10.83	12	12			
2014	33,589.49	36,948	36,948			
2015	32,299.10	35,529	35,529			
2016	373.59	411	411			
	1,786,178.29	1,964,795	1,964,796			
CANE RUN UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1956	1,184,900.77	1,303,391	1,303,391			
1997	43,063.97	47,370	47,370			
2016	373.59	411	411			
	1,228,338.33	1,351,172	1,351,172			
CANE RUN UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1959	1,952,265.06	2,147,492	2,147,492			
1975	44.28	49	49			
1997	82,878.31	91,166	91,166			
2016	373.68	411	411			
	2,035,561.33	2,239,118	2,239,117			

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1964	1,814,704.93	1,996,175	1,996,175			
1966	107.89	119	119			
1969	301.74	332	332			
1994	19,409.75	21,351	21,351			
1997	97,687.75	107,457	107,457			
2009	99,942.00	109,936	109,936			
2012	80,618.11	88,680	88,680			
2013	1,018,709.71	1,120,581	1,120,581			
2016	373.61	411	411			
	3,131,855.49	3,445,042	3,445,041			
CANE RUN UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
2014	17,192.20	18,911	18,911			
2016	373.59	411	411			
	17,565.79	19,322	19,322			
CANE RUN UNIT 5						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1967	2,209,914.99	2,430,906	2,430,906			
1997	460,252.28	506,278	506,278			
1998	77,110.41	84,821	84,821			
2012	213,621.33	234,983	234,983			
2014	155,851.67	171,437	171,437			
2015	28,789.01	31,668	31,668			
2016	124.53	137	137			
	3,145,664.22	3,460,230	3,460,231			

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 5 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1979	5.68	6	6			
1980	5.63	6	6			
2015	9,932.90	10,926	10,926			
2016	249.06	274	274			
	10,193.27	11,212	11,213			
CANE RUN UNIT 6						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
1968	25,970.52	28,568	28,568			
1970	2,318,410.10	2,550,251	2,550,251			
1973	157,004.65	172,705	172,705			
1977	65,482.34	72,031	72,031			
1978	104,011.35	114,412	114,412			
1983	1,000,000.00	1,100,000	1,100,000			
1984	147,868.83	162,656	162,656			
1987	240,188.77	264,208	264,208			
1997	67,252.33	73,978	73,978			
1998	6,924.37	7,617	7,617			
1999	0.21		0			
2001	583,023.78	641,326	641,326			
2002	675,474.89	743,022	743,022			
2003	74,876.34	82,364	82,364			
2004	181,731.32	199,904	199,904			
2006	46,381.08	51,019	51,019			
2007	1,124,191.86	1,236,611	1,236,611			
2009	1,407,414.03	1,548,155	1,548,155			
2010	143,677.89	158,046	158,046			
2011	762,918.87	839,211	839,211			
2013	70,027.02	77,030	77,030			
2014	3,870,067.88	4,257,075	4,257,075			
2015	31,265.63	34,392	34,392			
2016	249.06	274	274			
	13,104,413.12	14,414,855	14,414,854			



LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
CANE RUN UNIT 6 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 95-R2.5						
PROBABLE RETIREMENT YEAR.. 12-2015						
NET SALVAGE PERCENT.. -10						
2014	85,553.36	94,109	94,109			
2016	373.59	411	411			
	85,926.95	94,520	94,520			
	24,545,696.79	27,000,266	27,000,266			
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00						

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1972	21,414,326.49	17,293,932	14,223,253	9,332,506	12.85	726,265
1973	7,875.43	6,326	5,203	3,460	12.90	268
1975	265,320.08	210,671	173,265	118,587	12.99	9,129
1976	1,821.92	1,438	1,183	821	13.04	63
1977	35,816.91	28,085	23,098	16,300	13.08	1,246
1978	121,581.83	94,704	77,889	55,851	13.12	4,257
1979	5,258.44	4,068	3,346	2,439	13.16	185
1980	40,473.88	31,083	25,564	18,957	13.20	1,436
1981	68,546.02	52,238	42,963	32,438	13.24	2,450
1982	350,502.00	264,967	217,920	167,632	13.28	12,623
1983	208,728.99	156,510	128,720	100,882	13.31	7,579
1984	13,324.05	9,902	8,144	6,513	13.35	488
1986	373,158.68	272,173	223,846	186,628	13.41	13,917
1987	186,502.84	134,636	110,730	94,423	13.44	7,026
1988	1,185.12	846	696	608	13.47	45
1989	64,563.44	45,581	37,488	33,532	13.50	2,484
1992	48,372.08	32,855	27,021	26,188	13.58	1,928
1993	23,285.15	15,582	12,815	12,798	13.61	940
1994	330,734.56	217,921	179,227	184,581	13.63	13,542
1995	272,815.11	176,787	145,397	154,700	13.65	11,333
1996	449,017.28	285,851	235,096	258,823	13.67	18,934
1997	775,321.29	484,190	398,218	454,635	13.69	33,209
1998	5,657,245.57	3,459,225	2,845,011	3,377,959	13.71	246,387
1999	3,906,667.89	2,335,172	1,920,543	2,376,792	13.73	173,109
2000	203,312.67	118,585	97,529	126,115	13.75	9,172
2001	962,802.63	546,476	449,445	609,638	13.77	44,273
2002	496,398.14	273,712	225,112	320,926	13.78	23,289
2003	2,979,926.02	1,590,020	1,307,699	1,970,220	13.80	142,770
2004	2,902,846.86	1,494,481	1,229,124	1,964,008	13.81	142,216
2005	298,953.89	147,798	121,555	207,294	13.83	14,989
2006	1,876,339.42	886,497	729,092	1,334,881	13.84	96,451
2007	141,819.17	63,600	52,307	103,694	13.86	7,482
2008	3,673,504.84	1,554,315	1,278,334	2,762,522	13.87	199,172
2009	101,933.21	40,256	33,108	79,018	13.89	5,689
2010	11,986.69	4,370	3,594	9,591	13.90	690
2011	3,542,654.92	1,173,012	964,734	2,932,186	13.91	210,797
2012	162,731.37	47,835	39,342	139,663	13.93	10,026
2013	6,800,891.07	1,722,570	1,416,714	6,064,267	13.94	435,026
2014	448,194.73	93,387	76,805	416,209	13.95	29,836

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
2015	121,894,793.03	19,166,006	15,762,925	118,321,347	13.97	8,469,674
2016	383,790.87	38,430	31,606	390,564	13.98	27,937
2017	630,818.53	22,552	18,548	675,353	13.99	48,274
	182,136,143.11	54,598,645	44,904,210	155,445,547		11,206,606
MILL CREEK UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1991	5,546,971.24	3,818,607	3,803,553	2,298,116	13.56	169,478
1997	2,685,050.95	1,676,822	1,670,211	1,283,345	13.69	93,743
1998	39.61	24	24	20	13.71	1
2001	9,599.04	5,448	5,427	5,132	13.77	373
2002	2,876,370.68	1,586,022	1,579,769	1,584,238	13.78	114,966
2003	5,225,116.30	2,788,002	2,777,011	2,970,617	13.80	215,262
2004	100,971.20	51,983	51,778	59,290	13.81	4,293
2005	54,427.99	26,908	26,802	33,069	13.83	2,391
2008	430,882.82	182,313	181,594	292,377	13.87	21,080
	16,929,429.83	10,136,129	10,096,169	8,526,204		621,587
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1975	17,054,608.27	13,058,696	6,248,152	12,511,917	14.53	861,109
1979	327,798.84	243,816	116,658	243,921	14.75	16,537
1980	2,634.46	1,944	930	1,968	14.80	133
1981	148,305.42	108,512	51,919	111,217	14.85	7,489
1982	70,679.74	51,257	24,525	53,223	14.90	3,572
1983	83,301.87	59,869	28,645	62,987	14.94	4,216
1984	80,377.49	57,201	27,369	61,046	14.99	4,072
1986	231,601.12	161,463	77,255	177,507	15.07	11,779
1987	20,698.83	14,270	6,828	15,941	15.11	1,055
1988	963.59	656	314	746	15.15	49
1989	64,563.44	43,429	20,779	50,240	15.19	3,307
1992	52,695.31	33,992	16,264	41,701	15.29	2,727

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1993	4,287.61	2,721	1,302	3,414	15.33	223
1995	154,316.73	94,570	45,249	124,500	15.39	8,090
1996	46,271.80	27,823	13,312	37,587	15.41	2,439
1997	648,626.26	381,874	182,714	530,775	15.44	34,377
1998	3,474,151.24	1,999,711	956,795	2,864,771	15.47	185,182
1999	1,444,123.25	811,567	388,308	1,200,228	15.49	77,484
2001	2,429,671.48	1,291,446	617,914	2,054,725	15.54	132,222
2002	5,996,535.49	3,089,655	1,478,297	5,117,892	15.56	328,913
2003	2,880,639.68	1,433,426	685,847	2,482,857	15.58	159,362
2004	1,373,435.07	657,793	314,732	1,196,046	15.60	76,670
2005	1,683,302.66	772,427	369,581	1,482,052	15.62	94,882
2006	352,406.11	154,101	73,732	313,915	15.64	20,071
2008	1,251,577.09	486,910	232,970	1,143,765	15.68	72,944
2009	412,257.46	149,223	71,398	382,085	15.70	24,337
2010	4,479,120.12	1,492,989	714,346	4,212,687	15.71	268,153
2011	410,920.22	123,901	59,283	392,730	15.73	24,967
2012	4,552,070.67	1,213,864	580,794	4,426,484	15.75	281,047
2014	2,660,793.03	497,305	237,944	2,688,928	15.78	170,401
2015	141,800,521.60	19,895,322	9,519,250	146,461,323	15.80	9,269,704
2016	3,688,099.88	327,677	156,783	3,900,127	15.82	246,531
2017	620,928.88	19,692	9,422	673,600	15.83	42,552
	198,502,284.71	48,759,102	23,329,610	195,022,903		12,436,596
MILL CREEK UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
2002	203,535.72	104,870	21,603	202,286	15.56	13,000
2005	6,998.17	3,211	661	7,037	15.62	451
2008	332,266.71	129,264	26,628	338,865	15.68	21,611
2015	111,645,216.21	15,664,382	3,226,865	119,582,873	15.80	7,568,536
2016	34,447.60	3,061	631	37,262	15.82	2,355
2017	2,599,527.05	82,439	16,982	2,842,497	15.83	179,564
	114,821,991.46	15,987,227	3,293,371	123,010,820		7,785,517

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1979	4,767.06	3,299	2,734	2,510	17.73	142
1980	3,428,357.32	2,350,019	1,947,582	1,823,612	17.81	102,393
1981	11,318.35	7,681	6,366	6,085	17.89	340
1982	44,978,625.60	30,213,807	25,039,735	24,436,753	17.96	1,360,621
1984	1,957,212.86	1,286,012	1,065,784	1,087,150	18.10	60,064
1985	1,704.37	1,107	917	957	18.17	53
1986	608,706.59	390,297	323,459	346,118	18.24	18,976
1987	123,117.61	77,927	64,582	70,847	18.30	3,871
1988	401,560.78	250,714	207,780	233,937	18.36	12,742
1990	65,980.65	39,984	33,137	39,442	18.48	2,134
1992	63,366.14	37,145	30,784	38,919	18.59	2,094
1993	72,295.22	41,613	34,487	45,038	18.64	2,416
1994	175,632.11	99,163	82,181	111,014	18.69	5,940
1995	2,177,981.40	1,205,197	998,809	1,396,971	18.73	74,585
1996	261,791.90	141,688	117,424	170,547	18.78	9,081
1997	641,399.71	339,139	281,062	424,478	18.82	22,555
1998	186,673.04	96,249	79,766	125,574	18.86	6,658
1999	499,059.76	250,394	207,514	341,451	18.90	18,066
2000	9,899.82	4,822	3,996	6,894	18.94	364
2001	321,317.64	151,510	125,564	227,885	18.98	12,007
2002	1,558,350.90	709,982	588,399	1,125,787	19.01	59,221
2003	18,848,257.17	8,261,719	6,846,911	13,886,172	19.05	728,933
2004	52,849,370.86	22,202,655	18,400,481	39,733,826	19.08	2,082,486
2005	107,671.37	43,168	35,776	82,663	19.11	4,326
2006	958,853.85	365,035	302,523	752,216	19.14	39,301
2007	1,996,474.13	716,353	593,679	1,602,443	19.17	83,591
2008	46,235.80	15,517	12,860	38,000	19.20	1,979
2009	1,282,542.79	398,494	330,252	1,080,545	19.23	56,191
2010	98,917.56	28,083	23,274	85,535	19.26	4,441
2011	2,020,997.52	515,959	427,602	1,795,496	19.29	93,079
2012	1,346,461.45	302,205	250,453	1,230,655	19.31	63,731
2013	11,697,943.12	2,232,552	1,850,231	11,017,507	19.34	569,675
2014	190,039.04	29,400	24,365	184,678	19.37	9,534
2015	864,249.38	100,020	82,892	867,783	19.39	44,754
2016	126,466,623.40	9,167,566	7,597,633	131,515,653	19.42	6,772,176
2017	1,189,192.61	29,576	24,511	1,283,601	19.45	65,995
	277,512,948.88	82,106,051	68,045,505	237,218,739		12,394,515

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>MILL CREEK UNIT 3 SCRUBBER</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	612,880.78	411,695	120,512	553,657	17.96	30,827
1996	185,176.23	100,221	29,337	174,357	18.78	9,284
2001	1,482,747.00	699,154	204,657	1,426,365	18.98	75,151
2003	765,122.16	335,374	98,171	743,463	19.05	39,027
2004	1,973,751.17	829,197	242,723	1,928,403	19.08	101,069
2007	72,067.10	25,858	7,569	71,705	19.17	3,740
2016	144,698,844.87	10,489,219	3,070,416	156,098,314	19.42	8,038,018
2017	546,111.42	13,582	3,976	596,747	19.45	30,681
	150,336,700.73	12,904,300	3,777,361	161,593,010		8,327,797
<b>MILL CREEK UNIT 4</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1980	440,249.54	282,540	272,557	211,718	20.57	10,293
1981	227,438.94	144,315	139,216	110,967	20.68	5,366
1982	333,336.91	208,973	201,589	165,081	20.79	7,940
1984	75,257,757.35	46,016,055	44,390,163	38,393,370	20.99	1,829,127
1985	332,766.67	200,735	193,642	172,401	21.09	8,175
1986	8,768,653.94	5,216,876	5,032,547	4,612,972	21.18	217,798
1987	376,721.61	220,797	212,996	201,398	21.28	9,464
1988	462,429.35	266,956	257,524	251,149	21.36	11,758
1989	811,031.27	460,654	444,378	447,757	21.45	20,874
1990	1,327,667.49	741,404	715,208	745,226	21.53	34,613
1991	5,021,081.98	2,753,918	2,656,613	2,866,577	21.61	132,650
1992	844,777.73	454,564	438,503	490,753	21.69	22,626
1993	114,757.39	60,505	58,367	67,866	21.77	3,117
1994	250,426.34	129,267	124,700	150,769	21.84	6,903
1995	797,416.49	402,396	388,178	488,980	21.91	22,318
1996	3,239,846.39	1,596,561	1,540,149	2,023,682	21.97	92,111
1997	876,303.85	420,584	405,723	558,211	22.04	25,327
1998	3,656,385.26	1,707,269	1,646,946	2,375,078	22.10	107,470
1999	1,833,933.14	831,239	801,869	1,215,458	22.16	54,849
2000	5,871,514.94	2,578,558	2,487,449	3,971,217	22.21	178,803
2001	25,318,630.11	10,736,087	10,356,747	17,493,746	22.27	785,530
2002	4,879,231.04	1,992,663	1,922,256	3,444,898	22.32	154,341
2003	62,520,901.01	24,501,066	23,635,366	45,137,625	22.37	2,017,775
2004	1,326,226.15	496,578	479,032	979,816	22.42	43,703

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
2005	2,556,930.89	910,165	878,006	1,934,618	22.47	86,098
2006	9,814,897.13	3,307,149	3,190,297	7,606,090	22.51	337,898
2007	928,271.54	293,719	283,341	737,758	22.56	32,702
2008	3,687,741.26	1,086,740	1,048,342	3,008,173	22.60	133,105
2009	2,114,686.17	574,770	554,462	1,771,693	22.64	78,255
2010	3,987,749.56	987,626	952,730	3,433,794	22.68	151,402
2011	6,739,165.81	1,490,400	1,437,739	5,975,343	22.73	262,884
2012	4,910,365.62	952,051	918,412	4,482,990	22.76	196,968
2013	749,585.26	123,063	118,715	705,829	22.80	30,957
2014	207,447,357.68	27,424,126	26,455,145	201,736,948	22.84	8,832,616
2015	5,063,304.43	496,644	479,096	5,090,539	22.88	222,489
2016	6,021,634.43	365,832	352,906	6,270,892	22.92	273,599
2017	12,545,463.90	265,374	255,998	13,544,013	22.95	590,153
	471,456,638.57	140,698,219	135,726,909	382,875,393		17,032,057

MILL CREEK UNIT 4 SCRUBBER  
 INTERIM SURVIVOR CURVE.. IOWA 60-R1  
 PROBABLE RETIREMENT YEAR.. 6-2042  
 NET SALVAGE PERCENT.. -10

1983	4,903,950.91	3,037,340	1,365,103	4,029,243	20.89	192,879
1988	230,585.19	133,115	59,827	193,816	21.36	9,074
1989	7,208.39	4,094	1,840	6,089	21.45	284
1996	3,808,915.50	1,876,992	843,596	3,346,211	21.97	152,308
1997	68,399.24	32,828	14,754	60,485	22.04	2,744
2000	21,635,151.15	9,501,380	4,270,302	19,528,365	22.21	879,260
2001	1,393,120.25	590,737	265,501	1,266,931	22.27	56,890
2002	5,020,125.34	2,050,204	921,444	4,600,694	22.32	206,124
2003	527,503.85	206,721	92,909	487,346	22.37	21,786
2004	43,152.01	16,157	7,262	40,206	22.42	1,793
2005	198,430.50	70,633	31,745	186,528	22.47	8,301
2006	419,388.57	141,314	63,512	397,815	22.51	17,673
2007	383,959.54	121,491	54,603	367,753	22.56	16,301
2008	7,529.57	2,219	997	7,285	22.60	322
2009	100,088.52	27,204	12,227	97,871	22.64	4,323
2010	55,099.59	13,646	6,133	54,476	22.68	2,402
2011	2,128,403.02	470,707	211,555	2,129,689	22.73	93,695
2012	10,357,724.83	2,008,218	902,574	10,490,923	22.76	460,937
2013	108,472.50	17,808	8,004	111,316	22.80	4,882

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
2014	141,385,875.63	18,690,930	8,400,455	147,124,009	22.84	6,441,507
2015	12,158.39	1,193	536	12,838	22.88	561
2016	226,721.31	13,774	6,191	243,203	22.92	10,611
2017	13,327,284.78	281,912	126,703	14,533,311	22.95	633,260
	206,349,248.58	39,310,617	17,667,770	209,316,403		9,217,917
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	128,938,346.70	64,890,080	60,308,416	86,681,299	27.00	3,210,418
1992	38,267.84	18,443	17,141	26,485	27.28	971
1994	196,865.96	90,393	84,011	140,417	27.55	5,097
1995	12,880.29	5,761	5,354	9,329	27.68	337
1996	434,526.73	189,000	175,655	319,705	27.80	11,500
1997	1,429,634.78	603,770	561,140	1,068,644	27.92	38,275
1998	5,164,667.09	2,113,809	1,964,560	3,923,160	28.03	139,963
1999	300,546.33	118,924	110,527	232,096	28.14	8,248
2000	82,881.85	31,621	29,388	65,097	28.25	2,304
2001	475,951.02	174,674	162,341	380,243	28.35	13,412
2002	36,738,757.54	12,926,098	12,013,431	29,868,753	28.45	1,049,868
2003	5,176,645.95	1,739,195	1,616,396	4,284,980	28.55	150,087
2004	426,942.12	136,475	126,839	359,875	28.64	12,565
2005	3,353,308.40	1,013,875	942,289	2,880,483	28.73	100,260
2006	283,707.42	80,698	74,991	248,436	28.82	8,620
2007	272,649.64	72,490	67,372	243,449	28.90	8,424
2008	4,413,630.64	1,087,416	1,010,637	4,020,902	28.98	138,747
2009	2,660,534.52	600,900	558,473	2,474,537	29.06	85,153
2010	9,483,989.61	1,936,925	1,800,165	9,011,583	29.14	309,251
2011	10,795,021.22	1,958,428	1,820,150	10,486,174	29.22	358,870
2012	588,820.22	92,821	86,267	584,988	29.29	19,972
2013	3,422,355.95	453,353	421,343	3,480,142	29.36	118,533
2014	404,146.80	42,880	39,852	420,875	29.43	14,301
2015	85,910,747.57	6,710,729	6,236,908	91,701,345	29.50	3,108,520
2016	2,569,112.46	123,331	114,623	2,814,165	29.57	95,170
2017	19,342,589.55	315,323	293,059	21,757,493	29.64	734,058
	322,917,528.20	97,527,402	90,641,330	277,484,652		9,742,924



LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	50,010,558.20	25,168,534	28,728,586	28,283,450	27.00	1,047,535
1994	253,366.21	116,335	132,790	156,047	27.55	5,664
1996	7,760.87	3,376	3,854	4,994	27.80	180
1997	146,964.06	62,067	70,846	96,693	27.92	3,463
1998	546,174.12	223,540	255,159	367,479	28.03	13,110
1999	139,582.70	55,232	63,044	96,080	28.14	3,414
2002	1,958,503.95	689,077	786,546	1,446,149	28.45	50,831
2004	3,912.29	1,251	1,428	3,032	28.64	106
2005	4,281,077.44	1,294,387	1,477,476	3,402,952	28.73	118,446
2006	4,579,814.50	1,302,532	1,486,773	3,734,215	28.82	129,570
2007	850,100.00	226,017	257,987	711,127	28.90	24,606
2010	33,337.92	6,809	7,772	30,233	29.14	1,038
2012	552,605.79	87,112	99,434	530,537	29.29	18,113
2015	89,147.45	6,964	7,949	93,679	29.50	3,176
2016	3,384,658.53	162,482	185,465	3,673,046	29.57	124,215
	66,837,564.03	29,405,715	33,565,110	42,629,713		1,543,467
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	127,801,331.09	16,632,372	23,884,489	121,809,030	40.35	3,018,811
2012	3,547,408.00	396,761	569,758	3,474,287	40.54	85,700
2013	749,362.16	69,922	100,410	753,863	40.72	18,513
2014	3,433,135.22	254,160	364,980	3,548,794	40.89	86,789
2015	4,526,898.46	243,067	349,050	4,811,614	41.07	117,156
2016	2,526,423.25	82,746	118,825	2,761,297	41.24	66,957
2017	3,863,446.73	43,206	62,045	4,342,284	41.40	104,886
	146,448,004.91	17,722,234	25,449,556	141,501,170		3,498,812

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 60-R1						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	14,418,804.49	1,876,498	2,930,696	13,506,741	40.35	334,740
2012	298,031.71	33,333	52,059	287,697	40.54	7,097
2013	141,070.30	13,163	20,558	140,262	40.72	3,445
2014	275,467.84	20,393	31,850	282,184	40.89	6,901
2016	18,889.14	619	967	20,567	41.24	499
	15,152,263.48	1,944,006	3,036,129	14,237,451		352,682
	2,169,400,746.49	551,099,647	459,533,030	1,948,862,005		94,160,477
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 20.7						4.34

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2021						
NET SALVAGE PERCENT.. 0						
1972	411,750.29	378,477	231,546	180,204	4.00	45,051
	411,750.29	378,477	231,546	180,204		45,051
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 6-2019						
NET SALVAGE PERCENT.. 0						
1982	947,826.39	909,402	635,948	311,878	1.50	207,919
	947,826.39	909,402	635,948	311,878		207,919
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2023						
NET SALVAGE PERCENT.. 0						
1990	4,867,827.96	3,996,000	1,858,074	3,009,754	6.00	501,626
	4,867,827.96	3,996,000	1,858,074	3,009,754		501,626
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 100-S4						
PROBABLE RETIREMENT YEAR.. 12-2021						
NET SALVAGE PERCENT.. 0						
2011	5,057,242.50	3,130,686	614,262	4,442,980	4.00	1,110,745
	5,057,242.50	3,130,686	614,262	4,442,980		1,110,745
	11,284,647.14	8,414,565	3,339,830	7,944,816		1,865,341
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 4.3						16.53

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1972	9,558,559.29	8,000,629	7,216,155	3,298,260	12.48	264,284
1975	33,622.25	27,621	24,913	12,072	12.78	945
1988	9,480.76	6,975	6,291	4,138	13.66	303
1992	27,075.30	18,932	17,076	12,707	13.83	919
1993	971,441.12	669,202	603,586	465,000	13.87	33,526
1994	185,064.18	125,477	113,174	90,397	13.91	6,499
1995	28,446.40	18,965	17,105	14,186	13.94	1,018
1996	254,031.63	166,350	150,039	129,396	13.97	9,262
1999	18,356.35	11,278	10,172	10,020	14.06	713
2002	180,996.96	102,521	92,469	106,628	14.13	7,546
2003	271,428.49	148,808	134,217	164,354	14.15	11,615
2004	691,281.91	365,430	329,599	430,811	14.17	30,403
2007	200,644.13	92,360	83,304	137,405	14.23	9,656
2008	175,609.64	76,185	68,715	124,456	14.25	8,734
2012	326,557.97	98,281	88,644	270,569	14.31	18,908
2013	6,506,511.77	1,688,088	1,522,568	5,634,595	14.32	393,477
2015	6,242,518.01	1,005,501	906,910	5,959,860	14.34	415,611
2017	289,718.68	10,517	9,486	309,205	14.36	21,532
	25,971,344.84	12,633,120	11,394,423	17,174,056		1,234,951
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1975	10,010,798.61	7,982,290	7,471,761	3,540,118	14.21	249,129
1977	32,117.17	25,216	23,603	11,726	14.45	811
1986	8,428.02	6,083	5,694	3,577	15.25	235
1988	95,857.98	67,580	63,258	42,186	15.38	2,743
1995	666,220.77	422,015	395,024	337,819	15.74	21,462
1996	37,365.50	23,203	21,719	19,383	15.79	1,228
1997	333,008.13	202,459	189,510	176,799	15.83	11,169
1999	7,342.02	4,259	3,987	4,090	15.90	257
2002	1,065,664.45	566,234	530,019	642,212	16.00	40,138
2003	1,519,049.93	779,300	729,458	941,497	16.03	58,733
2005	196,319.25	92,779	86,845	129,106	16.09	8,024
2007	109,533.51	46,732	43,743	76,744	16.13	4,758
2008	56,103.77	22,466	21,029	40,685	16.16	2,518
2010	57,422.60	19,677	18,419	44,746	16.20	2,762

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>MILL CREEK UNIT 2</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
2011	266,698.44	82,633	77,348	216,020	16.22	13,318
2012	5,789,721.97	1,587,779	1,486,228	4,882,466	16.23	300,830
2013	75,226.48	17,664	16,534	66,215	16.25	4,075
2014	350,971.22	67,218	62,919	323,149	16.27	19,862
2015	7,505,834.09	1,083,820	1,014,501	7,241,916	16.28	444,835
2016	23,846.81	2,170	2,031	24,200	16.30	1,485
2017	53,605.89	1,720	1,610	57,356	16.31	3,517
	28,261,136.61	13,103,297	12,265,240	18,822,010		1,191,889
<b>MILL CREEK UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1978	2,296,618.42	1,688,540	1,863,054	663,227	17.31	38,315
1982	18,526,289.24	13,056,162	14,405,541	5,973,377	17.92	333,336
1989	2,208.14	1,420	1,567	862	18.73	46
1993	27,779.22	16,681	18,405	12,152	19.09	637
1994	904,453.22	532,788	587,853	407,046	19.16	21,245
1995	96,282.76	55,522	61,260	44,651	19.24	2,321
1996	1,108,386.56	625,146	689,756	529,469	19.31	27,419
1997	174,257.56	95,989	105,910	85,774	19.37	4,428
1999	7,342.02	3,832	4,228	3,848	19.50	197
2003	93,997.54	42,816	47,241	56,156	19.71	2,849
2004	1,744,925.53	761,913	840,658	1,078,760	19.75	54,621
2006	107,652.56	42,508	46,901	71,517	19.84	3,605
2007	23,053.86	8,577	9,463	15,896	19.88	800
2008	1,168,159.07	406,271	448,260	836,715	19.92	42,004
2009	159,202.21	51,276	56,575	118,547	19.95	5,942
2010	260,400.84	76,546	84,457	201,984	19.99	10,104
2011	380,117.96	100,447	110,828	307,301	20.02	15,350
2012	3,017,515.58	700,166	772,529	2,546,738	20.05	127,019
2013	1,093,522.18	215,796	238,099	964,775	20.08	48,047
2014	78,875.74	12,647	13,954	72,809	20.10	3,622
2015	2,986,643.68	356,456	393,296	2,892,012	20.13	143,667
2016	475,678.68	35,576	39,253	483,994	20.15	24,020
2017	140,774.32	3,673	4,053	150,799	20.17	7,476
	34,874,136.89	18,890,748	20,843,142	17,518,409		917,070

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1984	26,543,252.72	17,216,644	17,293,775	11,903,803	20.96	567,930
1989	2,208.14	1,325	1,331	1,098	21.78	50
1990	10,208.27	6,016	6,043	5,186	21.93	236
1991	2,277,121.66	1,317,543	1,323,446	1,181,388	22.06	53,553
1992	1,626,712.57	923,000	927,135	862,249	22.19	38,858
1993	30,320.47	16,854	16,930	16,423	22.31	736
1994	51,864.99	28,198	28,324	28,727	22.43	1,281
1996	209,000.84	108,322	108,807	121,094	22.65	5,346
1997	474,920.55	239,709	240,783	281,630	22.75	12,379
1998	63,359.58	31,088	31,227	38,468	22.85	1,684
1999	7,342.02	3,495	3,511	4,566	22.94	199
2000	2,816.43	1,298	1,304	1,794	23.02	78
2001	732,712.71	325,924	327,384	478,600	23.11	20,710
2003	253,031.34	103,877	104,342	173,992	23.26	7,480
2005	1,800,731.23	671,097	674,104	1,306,701	23.40	55,842
2006	906,191.19	319,368	320,799	676,012	23.46	28,816
2008	560,545.24	172,648	173,421	443,178	23.58	18,795
2009	25,026.43	7,096	7,128	20,401	23.64	863
2011	3,696,430.48	852,737	856,557	3,209,516	23.74	135,194
2012	2,267,042.35	457,154	459,202	2,034,545	23.79	85,521
2013	139,939.53	23,900	24,007	129,926	23.83	5,452
2014	12,071,479.73	1,659,828	1,667,264	11,611,364	23.87	486,442
2015	873,461.09	88,971	89,370	871,438	23.91	36,447
2016	17,756.85	1,122	1,127	18,406	23.95	769
2017	414,559.92	9,129	9,170	446,846	23.98	18,634
	55,058,036.33	24,586,343	24,696,491	35,867,349		1,583,295

TRIMBLE COUNTY UNIT 1  
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5  
PROBABLE RETIREMENT YEAR.. 6-2050  
NET SALVAGE PERCENT.. -14

1990	39,208,203.86	21,355,501	24,629,889	20,067,463	27.26	736,151
1994	38,695.05	19,133	22,067	22,046	28.24	781
1996	35,401.53	16,545	19,082	21,276	28.67	742
1997	231,629.41	104,973	121,068	142,989	28.87	4,953
1998	17,799.41	7,809	9,006	11,285	29.06	388
2000	61,094.28	24,938	28,762	40,886	29.42	1,390

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
2001	172,557.22	67,694	78,073	118,642	29.58	4,011
2002	1,635,647.75	614,268	708,452	1,156,186	29.74	38,876
2003	257,463.44	92,294	106,445	187,063	29.89	6,258
2005	65,186.67	20,982	24,199	50,114	30.17	1,661
2007	14,260,066.39	4,023,965	4,640,950	11,615,526	30.43	381,713
2008	40,206.06	10,513	12,125	33,710	30.54	1,104
2009	57,074.38	13,650	15,743	49,322	30.66	1,609
2010	670,352.58	144,946	167,170	597,032	30.76	19,409
2011	481,291.72	92,407	106,576	442,097	30.86	14,326
2012	38,994.69	6,498	7,494	36,960	30.96	1,194
2013	52,600.67	7,353	8,480	51,484	31.05	1,658
2014	195,870.01	21,863	25,215	198,077	31.14	6,361
2016	198,565.22	10,091	11,638	214,726	31.29	6,862
2017	1,818,876.48	31,248	36,039	2,037,480	31.37	64,950
	59,537,576.82	26,686,671	30,778,475	37,094,363		1,294,397
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 60-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
1990	4,145,218.19	1,991,110	2,173,456	2,552,093	33.66	75,820
2011	16,253,511.69	2,317,978	2,530,258	15,998,745	43.08	371,373
2012	15,127.01	1,853	2,023	15,222	43.37	351
2014	557,510.81	44,934	49,049	586,513	43.90	13,360
2015	136,494.28	7,990	8,722	146,882	44.15	3,327
2016	554,322.02	19,855	21,673	610,254	44.39	13,748
2017	304,834.06	3,698	4,037	343,474	44.62	7,698
	21,967,018.06	4,387,418	4,789,217	20,253,184		485,677
	225,669,249.55	100,287,597	104,766,988	146,729,371		6,707,279
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 21.9 2.97						

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1972	4,720,222.42	3,964,746	4,276,341	915,903	12.96	70,672
1974	782,485.11	649,251	700,277	160,457	13.14	12,211
1975	176,219.38	145,298	156,717	37,124	13.22	2,808
1985	6,939.48	5,293	5,709	1,924	13.80	139
1986	10,096.51	7,623	8,222	2,884	13.85	208
1987	44,680.97	33,386	36,010	13,139	13.89	946
1988	88,192.17	65,199	70,323	26,688	13.92	1,917
1989	96,763.03	70,695	76,251	30,188	13.96	2,162
1993	23,071.28	15,968	17,223	8,155	14.09	579
1994	178,344.24	121,493	131,041	65,137	14.12	4,613
1996	0.30		0			
1997	1,313,417.99	847,409	914,008	530,752	14.19	37,403
1998	147,043.85	92,892	100,193	61,556	14.21	4,332
2000	6,796,392.22	4,094,024	4,415,779	3,060,252	14.25	214,755
2001	216,842.59	127,111	137,101	101,426	14.27	7,108
2004	12,633.27	6,707	7,234	6,662	14.32	465
2008	4,667.04	2,032	2,192	2,942	14.38	205
2011	261,938.32	89,188	96,197	191,935	14.41	13,320
2013	19,456.75	5,073	5,472	15,931	14.42	1,105
2015	3,149,356.34	509,528	549,573	2,914,719	14.44	201,850
2017	533,319.71	19,618	21,160	565,492	14.45	39,134
	18,582,082.97	10,872,534	11,727,023	8,713,268		615,932
MILL CREEK UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1983	202,167.22	157,056	220,362	2,022	13.71	147
	202,167.22	157,056	220,362	2,022		147
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1975	4,594,976.40	3,676,068	3,972,831	1,081,643	14.77	73,232
1981	19,704.77	15,021	16,234	5,442	15.30	356



LOUISVILLE GAS AND ELECTRIC COMPANY

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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1983	8,343.81	6,245	6,749	2,429	15.43	157
1984	66,767.91	49,469	53,463	19,982	15.50	1,289
1986	19,863.78	14,405	15,568	6,282	15.62	402
1987	1,136.02	815	881	369	15.67	24
1988	82,230.58	58,254	62,957	27,497	15.72	1,749
1989	99,084.22	69,306	74,901	34,092	15.77	2,162
1990	46,374.58	32,001	34,584	16,428	15.82	1,038
1991	78,172.89	53,182	57,475	28,515	15.86	1,798
1993	74,345.76	49,027	52,985	28,795	15.94	1,806
1994	137,636.61	89,205	96,406	54,994	15.98	3,441
1997	1,229,516.67	751,201	811,844	540,624	16.08	33,621
1998	497,415.48	297,095	321,079	226,078	16.11	14,033
2001	318,180.75	175,321	189,474	160,524	16.19	9,915
2002	32,290.53	17,241	18,633	16,887	16.21	1,042
2005	3,582.67	1,701	1,838	2,103	16.28	129
2008	12,413.17	4,995	5,398	8,256	16.33	506
2012	195,890.66	53,943	58,298	157,182	16.38	9,596
2013	74,934.03	17,694	19,122	63,305	16.39	3,862
2014	46,004.41	8,880	9,597	41,008	16.40	2,500
2015	943,364.81	136,717	147,754	889,947	16.41	54,232
2016	4,342,229.81	399,837	432,115	4,344,338	16.42	264,576
2017	222,731.66	7,235	7,819	237,186	16.43	14,436
	13,147,191.98	5,984,858	6,468,006	7,993,905		495,902

MILL CREEK UNIT 2 SCRUBBER  
INTERIM SURVIVOR CURVE.. IOWA 65-R3  
PROBABLE RETIREMENT YEAR.. 6-2034  
NET SALVAGE PERCENT.. -10

2015	2,694,916.35	390,561	765,601	2,198,807	16.41	133,992
	2,694,916.35	390,561	765,601	2,198,807		133,992

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 3						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	13,739,330.10	9,714,654	12,091,486	3,021,777	18.60	162,461
1987	9,969.82	6,628	8,250	2,717	19.10	142
1988	3,231.24	2,119	2,637	917	19.18	48
1989	392,292.18	253,441	315,449	116,072	19.26	6,027
1990	150,092.97	95,446	118,798	46,304	19.34	2,394
1991	60,001.02	37,539	46,723	19,278	19.41	993
1993	94,815.20	57,217	71,216	33,081	19.55	1,692
1994	6,239.17	3,693	4,597	2,267	19.61	116
1997	151,399.17	83,814	104,320	62,219	19.77	3,147
2007	7,967.19	2,978	3,707	5,057	20.17	251
2009	173,735.34	56,184	69,930	121,179	20.22	5,993
2012	84,503.54	19,710	24,532	68,422	20.29	3,372
2013	10,937.97	2,166	2,696	9,336	20.31	460
2014	39,504.05	6,354	7,909	35,546	20.32	1,749
2015	142,860.84	17,140	21,334	135,813	20.34	6,677
2016	11,667,104.04	875,138	1,089,253	11,744,561	20.36	576,845
2017	57,028.30	1,503	1,871	60,860	20.37	2,988
	26,791,012.14	11,235,724	13,984,708	15,485,405		775,355
MILL CREEK UNIT 3 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1982	1,013,024.76	716,278	683,415	430,912	18.60	23,167
1993	75,852.16	45,774	43,674	39,763	19.55	2,034
2016	8,703,304.86	652,826	622,874	8,950,761	20.36	439,625
	9,792,181.78	1,414,878	1,349,963	9,421,437		464,826
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1975	610,264.79	441,864	516,606	154,685	20.12	7,688
1981	2,134,007.29	1,442,482	1,686,479	660,929	21.38	30,913
1983	429,885.94	283,238	331,148	141,727	21.72	6,525
1984	16,995,052.01	11,046,240	12,914,724	5,779,834	21.88	264,161

LOUISVILLE GAS AND ELECTRIC COMPANY  
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YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1985	68,296.45	43,775	51,180	23,947	22.03	1,087
1986	1,536,512.19	970,205	1,134,316	555,847	22.18	25,061
1987	30,412.62	18,916	22,116	11,338	22.31	508
1988	429,640.93	263,014	307,503	165,102	22.44	7,357
1989	432,858.98	260,523	304,591	171,554	22.57	7,601
1991	89,579.56	52,024	60,824	37,714	22.79	1,655
1994	6,239.17	3,406	3,982	2,881	23.09	125
1996	14,195.63	7,387	8,637	6,979	23.27	300
1997	46,174.62	23,408	27,367	23,425	23.35	1,003
2000	70,461.55	32,630	38,149	39,358	23.56	1,671
2001	24,217.50	10,823	12,654	13,986	23.63	592
2002	106,974.51	46,010	53,793	63,879	23.69	2,696
2005	5,395.13	2,020	2,362	3,573	23.86	150
2007	8,334.63	2,770	3,239	5,930	23.95	248
2008	492,580.23	152,262	178,017	363,821	24.00	15,159
2009	58,526.04	16,670	19,490	44,889	24.04	1,867
2011	70,789.13	16,415	19,192	58,676	24.11	2,434
2012	1,135,269.23	230,003	268,908	979,888	24.14	40,592
2013	54,373.95	9,335	10,914	48,697	24.17	2,023
2014	2,354,305.36	325,582	380,655	2,209,081	24.20	91,284
2015	2,913,999.33	297,621	347,964	2,857,435	24.23	117,930
2016	23,297.30	1,493	1,746	23,881	24.25	985
2017	860,990.24	18,733	21,902	925,188	24.28	38,105
	31,002,634.31	16,018,849	18,728,455	15,374,443		669,720

MILL CREEK UNIT 4 SCRUBBER  
INTERIM SURVIVOR CURVE.. IOWA 65-R3  
PROBABLE RETIREMENT YEAR.. 6-2042  
NET SALVAGE PERCENT.. -10

2003	53,899.52	22,234	51,127	8,162	23.75	344
2014	1,613,417.17	223,123	513,074	1,261,685	24.20	52,136
	1,667,316.69	245,357	564,201	1,269,847		52,480

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	44,621,984.19	24,283,873	26,683,021	24,186,041	28.65	844,190
1992	7,925.03	4,122	4,529	4,505	29.08	155
1993	36,015.56	18,285	20,091	20,966	29.28	716
1994	3,105,541.63	1,536,604	1,688,414	1,851,903	29.47	62,840
1996	16,791.24	7,857	8,633	10,509	29.83	352
1997	11,557.40	5,247	5,765	7,410	29.99	247
1998	51,241.29	22,523	24,748	33,667	30.15	1,117
2000	79,034.14	32,336	35,531	54,568	30.44	1,793
2001	17,727.44	6,972	7,661	12,548	30.57	410
2003	31,908.05	11,468	12,601	23,774	30.82	771
2005	22,378.23	7,228	7,942	17,569	31.04	566
2009	249,300.73	59,839	65,751	218,452	31.42	6,953
2010	119,663.51	25,950	28,534	107,903	31.50	3,425
2011	694,741.82	133,809	147,029	644,977	31.58	20,424
2013	33,727.78	4,730	5,197	33,252	31.72	1,048
2015	15,555,328.27	1,281,392	1,407,988	16,325,086	31.84	512,723
2016	145,099.43	7,384	8,114	157,300	31.89	4,933
2017	298,835.86	5,144	5,652	335,021	31.95	10,486
	65,098,801.60	27,454,763	30,167,182	44,045,452		1,473,149
TRIMBLE COUNTY UNIT 1 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1979	71,999.18	47,727	76,325	5,754	25.40	227
1990	2,664,921.03	1,450,285	2,319,289	718,721	28.65	25,086
	2,736,920.21	1,498,012	2,395,614	724,475		25,313
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2010	34,379.96	5,540	5,989	33,204	44.71	743
2011	8,882,476.37	1,260,285	1,362,360	8,763,663	44.95	194,965
2012	1,130,271.18	138,012	149,190	1,139,319	45.18	25,217
2013	11,211.95	1,136	1,228	11,554	45.41	254

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2014	108,078.94	8,688	9,392	113,818	45.61	2,495
2015	247,338.42	14,425	15,593	266,372	45.81	5,815
2016	206,007.20	7,320	7,913	226,935	46.00	4,933
2017	59,374.14	725	784	66,903	46.17	1,449
	10,679,138.16	1,436,131	1,552,448	10,621,770		235,871
	182,394,363.41	76,708,723	87,923,563	115,850,831		4,942,687
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 23.4						2.71

LOUISVILLE GAS AND ELECTRIC COMPANY						
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT						
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AT DECEMBER 31, 2017						
YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
RIVERPORT DISTRIBUTION CENTER						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2063						
NET SALVAGE PERCENT.. -2						
2013	487,938.91	50,825	61,731	435,967	37.28	11,694
2016	21,052.85	759	922	20,552	38.76	530
2017	73,926.20	893	1,085	74,320	39.21	1,895
	582,917.96	52,477	63,737	530,839		14,119
MILL CREEK UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2032						
NET SALVAGE PERCENT.. -10						
1972	325,508.28	285,570	301,827	56,232	6.94	6,290
1973	69,337.68	60,324	63,758	12,513	9.20	1,360
1981	14,471.42	11,682	12,347	3,572	11.15	320
2001	186,981.08	109,541	115,777	89,902	13.70	6,562
2003	50,572.50	27,815	29,398	26,231	13.81	1,899
2010	44,349.97	16,604	17,549	31,236	14.11	2,214
2012	17,602.50	5,314	5,617	13,746	14.17	970
2015	15,511.04	2,494	2,636	14,426	14.25	1,012
2017	312,423.29	11,393	12,042	331,624	14.29	23,207
	1,036,757.76	530,737	560,951	579,483		43,834
MILL CREEK UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2034						
NET SALVAGE PERCENT.. -10						
1974	30,534.16	25,959	28,044	5,544	10.03	553
1977	12,631.04	10,413	11,249	2,645	10.93	242
1978	3,514.49	2,866	3,096	770	11.23	69
1979	4,222.33	3,405	3,678	966	11.52	84
1991	31,738.22	21,833	23,587	11,325	14.24	795
1998	6,708.80	4,024	4,347	3,032	15.13	200
2005	3,862.94	1,835	1,982	2,267	15.69	144
2010	9,949.34	3,419	3,694	7,251	15.96	454
2012	33,862.98	9,317	10,065	27,184	16.04	1,695
2015	4,291.92	620	670	4,051	16.15	251
	141,316.22	83,691	90,413	65,035		4,487

LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
<b>MILL CREEK UNIT 3</b>						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2038						
NET SALVAGE PERCENT.. -10						
1978	245,660.68	194,777	265,635	4,592	12.33	372
1980	13,104.31	10,106	13,782	632	13.10	48
1981	3,413.80	2,595	3,539	216	13.48	16
1982	3,099.18	2,321	3,165	244	13.85	18
1987	4,218.63	2,916	3,977	664	15.57	43
1991	33,921.67	21,805	29,737	7,576	16.70	454
2000	3,356.42	1,728	2,357	1,335	18.48	72
2010	9,949.34	2,945	4,016	6,928	19.56	354
2013	30,822.45	6,117	8,342	25,562	19.76	1,294
	347,546.48	245,310	334,551	47,750		2,671
<b>MILL CREEK UNIT 4</b>						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
1976	25,108.31	20,164	20,141	7,478	12.08	619
1977	6,974.10	5,520	5,514	2,158	12.53	172
1983	49,937.51	35,830	35,790	19,141	15.30	1,251
1984	135,989.65	95,801	95,694	53,895	15.76	3,420
1985	82,073.54	56,739	56,675	33,605	16.21	2,073
1986	176,507.31	119,733	119,599	74,559	16.64	4,481
1987	121,720.07	80,936	80,845	53,047	17.07	3,108
1988	136,481.52	88,908	88,808	61,321	17.49	3,506
1989	78,089.43	49,817	49,761	36,137	17.89	2,020
1990	32,896.89	20,542	20,519	15,668	18.27	858
1991	809,076.77	493,843	493,290	396,695	18.65	21,271
1992	96,062.66	57,314	57,250	48,419	19.00	2,548
1993	68,683.45	39,982	39,937	35,615	19.35	1,841
1994	235,578.67	133,774	133,624	125,512	19.67	6,381
1995	358,477.53	198,243	198,021	196,304	19.98	9,825
1996	322,994.73	173,796	173,601	181,693	20.27	8,964
1997	199,906.14	104,473	104,356	115,541	20.55	5,622
1998	49,525.85	25,108	25,080	29,399	20.81	1,413
1999	514,957.55	252,604	252,321	314,132	21.06	14,916
2000	77,551.12	36,746	36,705	48,601	21.29	2,283
2001	228,291.05	104,217	104,100	147,020	21.51	6,835
2002	157,965.40	69,293	69,215	104,547	21.71	4,816

LOUISVILLE GAS AND ELECTRIC COMPANY  
ACCOUNT 316 MISCELLANEOUS POWER, PLANT EQUIPMENT  
CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
MILL CREEK UNIT 4						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
2003	701,409.79	294,424	294,094	477,457	21.91	21,792
2004	124,948.53	50,023	49,967	87,476	22.09	3,960
2005	108,210.13	41,124	41,078	77,953	22.26	3,502
2006	136,639.60	49,017	48,962	101,341	22.42	4,520
2007	122,140.23	41,079	41,033	93,321	22.57	4,135
2008	352,355.19	110,180	110,057	277,534	22.71	12,221
2009	270,140.46	77,795	77,708	219,447	22.84	9,608
2010	728,879.93	190,532	190,319	611,449	22.97	26,619
2011	506,134.20	118,342	118,209	438,538	23.08	19,001
2012	335,858.22	68,517	68,440	301,004	23.19	12,980
2013	345,692.57	59,614	59,547	320,715	23.29	13,771
2014	1,557,767.13	216,438	216,196	1,497,348	23.38	64,044
2015	216,662.05	22,277	22,252	216,076	23.47	9,206
2016	551,880.80	35,441	35,401	571,668	23.55	24,275
2017	911,778.27	19,969	19,947	983,009	23.63	41,600
	10,935,346.35	3,658,155	3,654,057	8,374,824		379,457
MILL CREEK UNIT 4 SCRUBBER						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2042						
NET SALVAGE PERCENT.. -10						
2005	11,565.66	4,395	12,722			
2008	9,333.18	2,918	10,266			
2009	22,312.73	6,426	24,112	432	22.84	19
	43,211.57	13,739	47,101	432		19
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1990	1,636,998.57	1,001,970	1,070,731	795,447	20.45	38,897
1991	123,124.08	73,276	78,305	62,057	21.03	2,951
1992	11,512.41	6,656	7,113	6,011	21.60	278
1993	4,548.23	2,553	2,728	2,457	22.15	111
1994	64,029.36	34,841	37,232	35,761	22.69	1,576
1995	84,609.07	44,562	47,620	48,834	23.22	2,103



LOUISVILLE GAS AND ELECTRIC COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
RELATED TO ORIGINAL COST AT DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
TRIMBLE COUNTY UNIT 1						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2050						
NET SALVAGE PERCENT.. -14						
1996	130,300.78	66,323	70,874	77,668	23.74	3,272
1997	41,301.53	20,297	21,690	25,394	24.23	1,048
1998	29,577.96	14,003	14,964	18,755	24.71	759
1999	23,726.57	10,794	11,535	15,514	25.18	616
2000	32,185.43	14,051	15,015	21,676	25.62	846
2001	17,686.90	7,388	7,895	12,268	26.04	471
2002	139,323.17	55,507	59,316	99,512	26.45	3,762
2003	149,646.14	56,640	60,527	110,070	26.84	4,101
2004	70,762.03	25,372	27,113	53,556	27.20	1,969
2005	32,621.18	11,019	11,775	25,413	27.55	922
2006	44,964.11	14,236	15,213	36,046	27.88	1,293
2008	93,628.50	25,429	27,174	79,562	28.49	2,793
2009	35,260.57	8,746	9,346	30,851	28.77	1,072
2010	143,979.41	32,182	34,391	129,746	29.03	4,469
2013	8,704.40	1,252	1,338	8,585	29.72	289
2017	175,362.80	3,101	3,314	196,600	30.46	6,454
	3,093,853.20	1,530,198	1,635,209	1,891,784		80,052
TRIMBLE COUNTY UNIT 2						
INTERIM SURVIVOR CURVE.. IOWA 45-R2.5						
PROBABLE RETIREMENT YEAR.. 6-2066						
NET SALVAGE PERCENT.. -14						
2011	1,783,663.47	285,974	279,179	1,754,198	37.09	47,296
2012	181,270.34	24,862	24,271	182,377	37.73	4,834
2013	274,940.16	31,130	30,390	283,042	38.36	7,379
2014	319,319.69	28,427	27,752	336,273	38.96	8,631
2015	149,819.76	9,619	9,390	161,404	39.54	4,082
2016	136,297.87	5,314	5,188	150,192	40.10	3,745
2017	683,291.74	8,911	8,699	770,253	40.63	18,958
	3,528,603.03	394,237	384,869	3,637,738		94,925
	19,709,552.57	6,508,544	6,770,888	15,127,885		619,564
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 24.4 3.14						

**Heichelbech, Nicholas**

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**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Wednesday, September 05, 2018 9:45 PM  
**To:** Wiseman, Sara; Riggs, Eric; Sturgeon, Allyson; kendrick.riggs@skofirm.com  
**Subject:** RE: reports  
**Attachments:** 2018 Direct Testimony JJSpanos.docx; Exhibit JJS-1.docx

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Here is my testimony and Exhibit JJS-1

**From:** Spanos, John J.  
**Sent:** Tuesday, September 4, 2018 8:26 PM  
**To:** 'Wiseman, Sara'; 'Riggs, Eric'; 'Sturgeon, Allyson'; 'kendrick.riggs@skofirm.com'  
**Subject:** RE: reports

Here is the LG&E study

**From:** Spanos, John J.  
**Sent:** Tuesday, September 4, 2018 8:24 PM  
**To:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>; Riggs, Eric <Eric.Riggs@lge-ku.com>; 'Sturgeon, Allyson' <Allyson.Sturgeon@lge-ku.com>; kendrick.riggs@skofirm.com  
**Subject:** reports

Attached is the final depreciation study for KU.

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF KENTUCKY UTILITIES )  
COMPANY FOR AN ADJUSTMENT OF ITS ) CASE NO. 2018-00\_\_\_\_  
RATES )

In the Matter of:

APPLICATION OF LOUISVILLE GAS AND )  
ELECTRIC COMPANY FOR AN ) CASE NO. 2018-00\_\_\_\_  
ADJUSTMENT OF ITS ELECTRIC AND )  
GAS RATES )

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DIRECT TESTIMONY OF  
JOHN J. SPANOS  
ON BEHALF OF  
LOUISVILLE GAS AND ELECTRIC COMPANY  
AND KENTUCKY UTILITIES COMPANY

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III. CONCLUSION.....	- 15 -

**I. INTRODUCTION AND PURPOSE**

1 **Q. PLEASE STATE YOUR NAME AND ADDRESS.**

2 A. My name is John J. Spanos. My business address is 207 Senate Avenue, Camp Hill,  
3 Pennsylvania.

4 **Q. ARE YOU ASSOCIATED WITH ANY FIRM?**

5 A. Yes. I am associated with the firm of Gannett Fleming Valuation and Rate Consultants,  
6 LLC ("Gannett Fleming").

7 **Q. CAN YOU BRIEFLY DESCRIBE GANNETT FLEMING?**

8 A. Yes. Gannett Fleming, Inc. is an international engineering consulting firm with expertise  
9 in numerous disciplines. Founded in 1915, Gannett Fleming Inc. has a long history of  
10 consulting services. The firm's headquarters is located in suburban Harrisburg,  
11 Pennsylvania. Regional offices are maintained in 23 states, one Canadian province, and an  
12 office in Qatar and the United Arab Emirates. With approximately 2,200 highly qualified  
13 individuals across a global network of 60 offices, we help shape infrastructure and improve  
14 communities in more than 65 countries. Gannett Fleming Valuation and Rate Consultants,  
15 LLC and its predecessor, the Valuation and Rate Division of Gannett Fleming, Inc., have  
16 provided service to utility companies since the late 1930s and, in the last five years, have  
17 prepared over 100 depreciation and valuation studies. Gannett Fleming staff has an  
18 unparalleled depth and breadth of experience in the field of depreciation. This expertise  
19 has been gained not only by conducting depreciation studies but also by actively  
20 participating within the depreciation field as educators and members of organizations that  
21 form depreciation standards.

22 **Q. HOW LONG HAVE YOU BEEN ASSOCIATED WITH GANNETT FLEMING?**

1 A. I have been associated with the firm since college graduation in June, 1986.

2 **Q. WHAT IS YOUR POSITION WITH THE FIRM?**

3 A. I am Senior Vice President.

4 **Q. WHAT IS YOUR EDUCATIONAL BACKGROUND?**

5 A. I have Bachelor of Science degrees in Industrial Management and Mathematics from  
6 Carnegie-Mellon University and a Master of Business Administration from York College  
7 of Pennsylvania.

8 **Q. DO YOU BELONG TO ANY PROFESSIONAL SOCIETIES?**

9 A. Yes. I am a member and past President of the Society of Depreciation Professionals. I am  
10 also a member of the American Gas Association/Edison Electric Institute Industry  
11 Accounting Committee.

12 **Q. DO YOU HOLD ANY SPECIAL CERTIFICATION AS A DEPRECIATION**  
13 **EXPERT?**

14 A. Yes. The Society of Depreciation Professionals has established national standards for  
15 depreciation professionals. The Society administers an examination to become certified in  
16 this field. I passed the certification exam in September 1997 and was recertified in August  
17 2003, February 2008, January 2013 and February 2018.

18 **Q. HAVE YOU HAD ANY ADDITIONAL EDUCATION RELATING TO UTILITY**  
19 **PLANT DEPRECIATION?**

20 A. Yes. I have completed the following courses conducted by Depreciation Programs, Inc.:  
21 "Techniques of Life Analysis," "Techniques of Salvage and Depreciation Analysis,"  
22 "Forecasting Life and Salvage," "Modeling and Life Analysis Using Simulation," and  
23 "Managing a Depreciation Study." I have also completed the "Introduction to Public

1 Utility Accounting” program conducted by the American Gas Association.

2 **Q. PLEASE OUTLINE YOUR EXPERIENCE IN THE FIELD OF DEPRECIATION.**

3 A. Yes. I have 32 years of depreciation experience which includes giving expert testimony in  
4 over 290 cases before 40 regulatory commissions, including this Commission. Please refer  
5 to Exhibit JJS-1 for my qualifications. In addition to the cases that I have submitted  
6 testimony, I have supervised over 600 other depreciation or valuation projects.

7 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?**

8 A. I am sponsoring the depreciation studies that Gannett Fleming performed for Louisville  
9 Gas and Electric Company and Kentucky Utilities Company attached hereto as Exhibit JJS-  
10 LG&E-1 and Exhibit-JJS-KU-1.

**II. DEPRECIATION STUDY**

11 **Q. PLEASE DEFINE THE CONCEPT OF DEPRECIATION.**

12 A. Depreciation refers to the loss in service value not restored by current maintenance,  
13 incurred in connection with the consumption or prospective retirement of utility plant in  
14 the course of service from causes which are known to be in current operation, against  
15 which the company is not protected by insurance. Among the causes to be given  
16 consideration are wear and tear, decay, action of the elements, inadequacy, obsolescence,  
17 changes in the art, changes in demand and the requirements of public authorities.

18 **Q. DID YOU PREPARE THE DEPRECIATION STUDIES FILED BY LOUISVILLE**  
19 **GAS AND ELECTRIC COMPANY AND KENTUCKY UTILITIES COMPANY IN**  
20 **THIS PROCEEDING?**

21 A. Yes. I prepared the depreciation studies submitted by Louisville Gas and Electric  
22 Company and Kentucky Utilities Company (“Companies”) with their filings in this

1 proceeding. These studies are attached as Exhibits JJS-LG&E-1 and JJS-KU-1. My  
2 reports are entitled: "2017 Depreciation Study - Calculated Annual Depreciation Accruals  
3 Related to Steam Generation Plant as of December 31, 2017." These reports set forth the  
4 results of my depreciation studies for each Company.

5 **Q. IN PREPARING THE DEPRECIATION STUDIES, DID YOU FOLLOW**  
6 **GENERALLY ACCEPTED PRACTICES IN THE FIELD OF DEPRECIATION**  
7 **VALUATION?**

8 A. Yes.

9 **Q. ARE THE METHODS AND PROCEDURES OF THESE DEPRECIATION**  
10 **STUDIES CONSISTENT WITH PAST PRACTICES?**

11 A. The methods and procedures of these studies are the same as those utilized in past studies  
12 of each Company as well as others before this Commission. The depreciation rates  
13 recommended in my studies are determined based on the average service life procedure and  
14 the remaining life method.

15 **Q. ARE THE UNDERLYING LIFE AND NET SALVAGE PARAMETERS AND**  
16 **RESULTING DEPRECIATION ISSUES IN THIS STUDY CONSISTENT WITH**  
17 **INDUSTRY TRENDS?**

18 A. Yes. The life and net salvage parameters for LG&E and KU have changed consistently  
19 with others in the industry as well as the major changes to steam production asset mix.

20 **Q. PLEASE DESCRIBE THE CONTENTS OF YOUR REPORTS.**

21 A. Each Depreciation Study is presented in nine parts. Part I, Introduction, presents the scope  
22 and basis for the depreciation study. Part II, Estimation of Survivor Curves, includes  
23 descriptions of the methodology of estimating survivor curves. Parts III and IV set forth



1 the analysis for determining life and net salvage estimates. Part V, Calculation of Annual  
2 and Accrued Depreciation, includes the concepts of depreciation using the remaining life.  
3 Part VI, Results of Study, presents a description of the results of my analysis and a  
4 summary of the depreciation calculations. Parts VII, VIII and IX include graphs and tables  
5 that relate to the service life and net salvage analyses, and the detailed depreciation  
6 calculations by account.

7 Table 1 on pages VI-4 and VI-5 of Exhibit JJS-LG&E-1 and on pages VI-4 and VI-  
8 5 of Exhibit JJS-KU-1 present the estimated survivor curve, the net salvage percent, the  
9 original cost as of December 31, 2017, the book depreciation reserve, and the calculated  
10 annual depreciation accrual and rate for each account or subaccount. The section  
11 beginning on page VII-2 presents the results of the retirement rate analyses prepared as the  
12 historical bases for the service life estimates. The section beginning on page VIII-2  
13 presents the results of the salvage analysis. The section beginning on page IX-2 presents  
14 the depreciation calculations related to surviving original cost as of December 31, 2017.

15 **Q. PLEASE EXPLAIN HOW YOU PERFORMED YOUR DEPRECIATION STUDY.**

16 A. I used the straight line remaining life method of depreciation, with the average service life  
17 procedure. The annual depreciation is based on a method of depreciation accounting that  
18 seeks to distribute the unrecovered cost of fixed capital assets over the estimated remaining  
19 useful life of each unit, or group of assets, in a systematic and reasonable manner.

20 **Q. HOW DID YOU DETERMINE THE RECOMMENDED ANNUAL**  
21 **DEPRECIATION ACCRUAL RATES?**

22 A. I did this in two phases. In the first phase, I estimated the service life and net salvage  
23 characteristics for each depreciable group, that is, each plant account or subaccount

1 identified as having similar characteristics. In the second phase, I calculated the composite  
2 remaining lives and annual depreciation accrual rates based on the service life and net  
3 salvage estimates determined in the first phase.

4 **Q. WILL YOU PLEASE DESCRIBE THE FIRST PHASE OF THE DEPRECIATION**  
5 **STUDY, IN WHICH YOU ESTIMATED THE SERVICE LIFE AND NET**  
6 **SALVAGE CHARACTERISTICS FOR EACH DEPRECIABLE GROUP?**

7 A. The service life and net salvage studies consisted of compiling historical data from records  
8 related to Louisville Gas and Electric Company's and Kentucky Utilities Company's plant;  
9 analyzing these data to obtain historical trends of survivor characteristics; obtaining  
10 supplementary information from management and operating personnel concerning  
11 practices and plans related to plant operations; and interpreting the data and the estimates  
12 used by other electric utilities to form judgments of average service life and net salvage  
13 characteristics.

14 **Q. WHAT HISTORICAL DATA DID YOU ANALYZE FOR THE PURPOSE OF**  
15 **ESTIMATING SERVICE LIFE CHARACTERISTICS?**

16 A. I analyzed the Companies' accounting entries that record plant transactions during the  
17 period 1954 through 2017 for LG&E and during the period 1926 through 2017 for KU.  
18 The transactions included additions, retirements, transfers, sales and the related balances.

19 **Q. WHAT METHOD DID YOU USE TO ANALYZE THESE SERVICE LIFE DATA?**

20 A. I used the retirement rate method. This is the most appropriate method when retirement  
21 data covering a long period of time is available because this method determines the average  
22 rates of retirement actually experienced by the Companies' during the period of time  
23 covered by the depreciation study.

1 **Q. PLEASE DESCRIBE HOW YOU USED THE RETIREMENT RATE METHOD TO**  
2 **ANALYZE BOTH COMPANIES' SERVICE LIFE DATA.**

3 A. I applied the retirement rate analysis to each different group of property in each study. For  
4 each property group, I used the retirement rate data to form a life table which, when  
5 plotted, shows an original survivor curve for that property group. Each original survivor  
6 curve represents the average survivor pattern experienced by the several vintage groups  
7 during the experience band studied. The survivor patterns do not necessarily describe the  
8 life characteristics of the property group; therefore, interpretation of the original survivor  
9 curves is required in order to use them as valid considerations in estimating service life.  
10 The Iowa type survivor curves were used to perform these interpretations.

11 **Q. WHAT IS AN "IOWA-TYPE SURVIVOR CURVE" AND HOW DID YOU USE**  
12 **SUCH CURVES TO ESTIMATE THE SERVICE LIFE CHARACTERISTICS FOR**  
13 **EACH PROPERTY GROUP?**

14 A. Iowa type curves are a widely-used group of survivor curves that contain the range of  
15 survivor characteristics usually experienced by utilities and other industrial companies. A  
16 survivor curve is a graphical depiction of the amount of property existing at each age  
17 throughout the life of an asset class. The Iowa curves were developed at the Iowa State  
18 College Engineering Experiment Station through an extensive process of observing and  
19 classifying the ages at which various types of property used by utilities and other industrial  
20 companies had been retired.

21 Iowa type curves are used to smooth and extrapolate original survivor curves  
22 determined by the retirement rate method. The Iowa curves and truncated Iowa curves

1           were used in this study to describe the forecasted rates of retirement based on the observed  
2           rates of retirement and the outlook for future retirements.

3           The estimated survivor curve designations for each depreciable property group  
4           indicate the average service life, the family within the Iowa curve system to which the  
5           property group belongs, and the relative height of the mode. For example, the Iowa 70-  
6           R1.5 indicates an average service life of seventy years; a right-moded, or R, type curve (the  
7           mode occurs after average life for right-moded curves); and a low height, 1.5, for the mode  
8           (possible modes for R type curves range from 1 to 5).

9   **Q.   WHAT APPROACH DID YOU USE TO ESTIMATE THE LIVES OF**  
10 **SIGNIFICANT FACILITIES STRUCTURES SUCH AS PRODUCTION PLANTS?**

11   A.   I used the life span technique to estimate the lives of significant facilities for which  
12           concurrent retirement of the entire facility is anticipated. In this technique, the survivor  
13           characteristics of such facilities are described by the use of interim survivor curves and  
14           estimated probable retirement dates.

15           The interim survivor curves describe the rate of retirement related to the  
16           replacement of elements of the facility, such as, for a building, the retirements of plumbing,  
17           heating, doors, windows, roofs, etc., that occurs during the life of the facility. The  
18           probable retirement date provides the rate of final retirement for each year of installation  
19           for the facility by truncating the interim survivor curve for each installation year at its  
20           attained age at the date of probable retirement. The use of interim survivor curves  
21           truncated at the date of probable retirement provides a consistent method for estimating the  
22           lives of the several years of installation for a particular facility inasmuch as a single  
23           concurrent retirement for all years of installation will occur when it is retired.

1 **Q. HAS GANNETT FLEMING USED THIS APPROACH IN OTHER**  
2 **PROCEEDINGS?**

3 A. Yes, we have used the life span technique in performing depreciation studies presented to  
4 and accepted by many public utility commissions across the United States and Canada,  
5 including Kentucky. This technique is currently being utilized by Louisville Gas and  
6 Electric Company and Kentucky Utilities Company in the same manner recommended in  
7 this case.

8 **Q. WHAT ARE THE BASES FOR THE PROBABLE RETIREMENT YEARS THAT**  
9 **YOU HAVE ESTIMATED FOR EACH FACILITY?**

10 A. The bases for the probable retirement years are life spans for each facility that are based on  
11 informed judgment, and incorporate consideration of the age, use, size, nature of  
12 construction, management outlook and typical life spans experienced and used by other  
13 electric utilities for similar facilities. Most of the life spans result in probable retirement  
14 years that are many years in the future. As a result, the retirements of these facilities are  
15 not yet subject to specific management plans. Such plans would be premature. At the  
16 appropriate time, studies of the economics of rehabilitation and continued use or retirement  
17 of the structure will be performed and the results incorporated into the estimation of the  
18 facility's life span.

19 **Q. HAVE YOU PHYSICALLY OBSERVED LG&E'S AND KU'S PLANT AND**  
20 **EQUIPMENT AS PART OF YOUR DEPRECIATION STUDIES?**

21 A. Yes. I have made field reviews of LG&E and KU's property as part of past studies during  
22 April and May 2007, October 2011 and October 2015 to observe representative portions of  
23 plant. Field reviews are commonly taken every 4 to 5 years in order to identify change in

1 asset condition. Field reviews are conducted to become familiar with a company's  
2 operations and obtain an understanding of the function of the plant and information with  
3 respect to the reasons for past retirements and the expected future causes of retirements.  
4 This knowledge as well as information from other discussions with management was  
5 incorporated in the interpretation and extrapolation of the statistical analyses.

6 **Q. PLEASE DESCRIBE HOW YOU ESTIMATED NET SALVAGE PERCENTAGES.**

7 A. I estimated the net salvage percentages by incorporating the historical data for the period  
8 1972 through 2017 for LG&E and 1988 through 2017 for KU and considered estimates for  
9 other electric companies.

10 **Q. HAVE YOU INCLUDED A DISMANTLEMENT COMPONENT INTO THE**  
11 **OVERALL RECOVERY OF GENERATING FACILITIES?**

12 A. Yes. A dismantlement component has been included to the net salvage percentage for all  
13 steam production facilities.

14 **Q. CAN YOU EXPLAIN WHY AND HOW THE DISMANTLEMENT COMPONENT**  
15 **IS INCLUDED IN THE DEPRECIATION STUDY?**

16 A. Yes. The dismantlement component is part of the overall net salvage for each location  
17 within the production assets. Based on studies for other utilities and the cost estimates of  
18 some LG&E and KU facilities, it was determined that the dismantlement or  
19 decommissioning costs for steam production facilities are best calculated at \$40/KW of the  
20 assets subject to final retirement. The cost estimate of dismantlement of the Cane Run  
21 facility was a primary resource for the \$40/KW component as Cane Run is most similar to  
22 the remaining facilities to be dismantled. These amounts at a location basis are added to  
23 the interim net salvage percentage of the assets anticipated to be retired on an interim basis

1 to produce the weighted net salvage percentage for each location. The detailed calculation  
2 for each location is set forth on page VIII-2 Exhibit JJS-LG&E-1 and page VIII-2 of  
3 Exhibit JJS-KU-1.

4 **Q. IS THIS METHODOLOGY A CHANGE FROM CURRENT PRACTICES?**

5 A. No. The current practice for LG&E and KU includes a low level of terminal net salvage  
6 combined with the interim net salvage percentage. In this study, the methodology  
7 continues to advance to a more precise practice and is utilized by most utilities. The  
8 weighting of the interim and final net salvage by location establishes a more precise  
9 recovery pattern for each location.

10 **Q. PLEASE DESCRIBE THE SECOND PHASE OF THE PROCESS THAT YOU**  
11 **USED IN THE DEPRECIATION STUDY IN WHICH YOU CALCULATED THE**  
12 **COMPOSITE REMAINING LIVES AND ANNUAL DEPRECIATION ACCRUAL**  
13 **RATES.**

14 A. After I estimated the service life and net salvage characteristics for each depreciable  
15 property group, I calculated the annual depreciation accrual rates for each group, using the  
16 straight line remaining life method, and using the remaining lives weighted consistent with  
17 the average service life procedure.

18 **Q. PLEASE DESCRIBE THE STRAIGHT LINE REMAINING LIFE METHOD OF**  
19 **DEPRECIATION.**

20 A. The straight line remaining life method of depreciation allocates the original cost of the  
21 property, less accumulated depreciation, less future net salvage, in equal amounts to each  
22 year of remaining service life.

1 **Q. PLEASE USE AN EXAMPLE TO ILLUSTRATE HOW THE ANNUAL**  
2 **DEPRECIATION ACCRUAL RATE FOR A PARTICULAR GROUP OF**  
3 **PROPERTY IS PRESENTED IN YOUR DEPRECIATION STUDIES.**

4 A. I will use KU Plant Account 312, Boiler Plant Equipment, as an example because it is the  
5 largest depreciable account and represents approximately 79% of depreciable steam  
6 production plant.

7           The retirement rate method was used to analyze the survivor characteristics of this  
8 property group. Aged plant accounting data was compiled from 1926 through 2017 and  
9 analyzed in periods that best represent the overall service life of this property. The life  
10 tables for the 1926-2017 and 1978-2017 experience bands are presented on pages VII-8  
11 through VII-11 of the report. The life tables display the retirement and surviving ratios of  
12 the aged plant data exposed to retirement by age interval. For example, page VII-\_\_ shows  
13 \$2,670,287 retired at age 1.5 with \$3,983,390,994 exposed to retirement. Consequently,  
14 the retirement ratio is 0.0007; and the surviving ratio is 0.9993. These life tables, or  
15 original survivor curves, are plotted along with the estimated smooth survivor curve, as  
16 shown on the 70-R1.5 on page VII-7.

17           The interim net salvage analyses for Account 312, Boiler Plant Equipment, is  
18 presented on pages VIII-5 and VIII-6 of the Depreciation Study. The percentage is based  
19 on the result of annual gross salvage minus the cost to remove plant assets as compared to  
20 the original cost of plant retired during the period 1988 through 2017. This 30-year period  
21 experienced \$43,002,073 (\$3,929,933-\$46,932,006) in negative net salvage for  
22 \$155,030,596 plant retired. The result is negative net salvage of 28 percent  
23 (\$43,002,073/\$155,030,596). Based on the overall negative 28 percent net salvage and the



1 most recent five years of negative 31 percent, it was determined that negative 30 percent is  
2 the most appropriate interim estimate. The percentage is combined with the terminal net  
3 salvage component by location to create a weighted net salvage percent by unit.

4 My calculation of the annual depreciation related to the original cost at December  
5 31, 2017, of utility plant is presented on pages IX-15 through IX-25. The calculation is  
6 based on the 70-R1.5 survivor curve, weighted negative net salvage by unit of 6 to 13  
7 percent, the attained age, and the allocated book reserve. The tabulation sets forth the  
8 installation year, the original cost, calculated accrued depreciation, allocated book reserve,  
9 future accruals, remaining life and annual accrual. These totals are brought forward to the  
10 table on page VI-4.

11 **Q. ARE REQUIREMENTS AND DEPRECIATION RATES FOR STEAM ASSETS**  
12 **CHANGING MORE FREQUENTLY THAN OTHER ELECTRIC ASSETS?**

13 A. Yes. Many utilities assets have long physical lives, however, service lives are driven by  
14 more than physical characteristics. In the case of steam assets, and particularly coal assets,  
15 review of depreciation rates need to be updated more frequently due to regulations.

16 **Q. WERE THERE SPECIFIC GENERATING UNITS WHICH HAVE**  
17 **CONSIDERABLE CHANGE IN LIFE EXPECTATION?**

18 A. Yes. The E.W. Brown Units 1 and 2 have much shorter remaining lives that are driven by  
19 more than physical characteristics. E. W. Brown Units 1 and 2 are to be retired by  
20 February 2019.

21 **Q. HAS THE SHORTER REMAINING LIFE FOR BROWN UNITS 1 AND 2 BEEN**  
22 **REFLECTED IN HIGHER DEPRECIATION RATES?**

1 A. No. The accumulated depreciation of the Brown Units 1 and 2 have been adjusted to  
2 reflect the more appropriate theoretical reserve. The amount of the adjustment is offset by  
3 Brown Unit 3, which has a longer remaining life.  
4

5 **III. CONCLUSION**

6 **Q. IN YOUR OPINION, ARE THE DEPRECIATION RATES SET FORTH IN**  
7 **EXHIBIT JJS-LG&E-1 AND EXHIBIT JJS-KU-1 THE RECOMMENDED RATES**  
8 **FOR THE KENTUCKY PUBLIC SERVICE COMMISSION TO ADOPT IN THIS**  
9 **PROCEEDING FOR LG&E AND KU?**

10 A. Yes, these rates appropriately reflect the rates at which the value of LG&E's and KU's  
11 steam generation assets are being consumed over their useful lives. These rates are an  
12 appropriate basis for setting electric rates in this matter and for the Companies' to use for  
13 booking depreciation expense going forward.

14 **Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?**

15 A. Yes.

**Exhibit JJS-1**

**JOHN SPANOS**  
**DEPRECIATION EXPERIENCE**

**Q. Please state your name.**

A. My name is John J. Spanos.

**Q. What is your educational background?**

A. I have Bachelor of Science degrees in Industrial Management and Mathematics from Carnegie-Mellon University and a Master of Business Administration from York College.

**Q. Do you belong to any professional societies?**

A. Yes. I am a member and past President of the Society of Depreciation Professionals and a member of the American Gas Association/Edison Electric Institute Industry Accounting Committee.

**Q. Do you hold any special certification as a depreciation expert?**

A. Yes. The Society of Depreciation Professionals has established national standards for depreciation professionals. The Society administers an examination to become certified in this field. I passed the certification exam in September 1997 and was recertified in August 2003, February 2008, January 2013 and February 2018.

**Q. Please outline your experience in the field of depreciation.**

A. In June, 1986, I was employed by Gannett Fleming Valuation and Rate Consultants, Inc. as a Depreciation Analyst. During the period from June, 1986 through December, 1995, I helped prepare numerous depreciation and original cost studies for utility companies in various industries. I helped perform depreciation studies for the following telephone companies: United Telephone of Pennsylvania, United Telephone of New Jersey, and Anchorage Telephone Utility. I helped perform depreciation studies for the following

companies in the railroad industry: Union Pacific Railroad, Burlington Northern Railroad, and Wisconsin Central Transportation Corporation.

I helped perform depreciation studies for the following organizations in the electric utility industry: Chugach Electric Association, The Cincinnati Gas and Electric Company (CG&E), The Union Light, Heat and Power Company (ULH&P), Northwest Territories Power Corporation, and the City of Calgary - Electric System.

I helped perform depreciation studies for the following pipeline companies: TransCanada Pipelines Limited, Trans Mountain Pipe Line Company Ltd., Interprovincial Pipe Line Inc., Nova Gas Transmission Limited and Lakehead Pipeline Company.

I helped perform depreciation studies for the following gas utility companies: Columbia Gas of Pennsylvania, Columbia Gas of Maryland, The Peoples Natural Gas Company, T. W. Phillips Gas & Oil Company, CG&E, ULH&P, Lawrenceburg Gas Company and Penn Fuel Gas, Inc.

I helped perform depreciation studies for the following water utility companies: Indiana-American Water Company, Consumers Pennsylvania Water Company and The York Water Company; and depreciation and original cost studies for Philadelphia Suburban Water Company and Pennsylvania-American Water Company.

In each of the above studies, I assembled and analyzed historical and simulated data, performed field reviews, developed preliminary estimates of service life and net salvage, calculated annual depreciation, and prepared reports for submission to state public utility commissions or federal regulatory agencies. I performed these studies under the general direction of William M. Stout, P.E.

In January, 1996, I was assigned to the position of Supervisor of Depreciation Studies. In July, 1999, I was promoted to the position of Manager, Depreciation and

Valuation Studies. In December, 2000, I was promoted to the position as Vice-President of Gannett Fleming Valuation and Rate Consultants, Inc. and in April 2012, I was promoted to my present position as Senior Vice President of the Valuation and Rate Division of Gannett Fleming Inc. (now doing business as Gannett Fleming Valuation and Rate Consultants, LLC). In my current position I am responsible for conducting all depreciation, valuation and original cost studies, including the preparation of final exhibits and responses to data requests for submission to the appropriate regulatory bodies.

Since January 1996, I have conducted depreciation studies similar to those previously listed including assignments for Pennsylvania-American Water Company; Aqua Pennsylvania; Kentucky-American Water Company; Virginia-American Water Company; Indiana-American Water Company; Iowa-American Water Company; New Jersey-American Water Company; Hampton Water Works Company; Omaha Public Power District; Enbridge Pipe Line Company; Inc.; Columbia Gas of Virginia, Inc.; Virginia Natural Gas Company National Fuel Gas Distribution Corporation - New York and Pennsylvania Divisions; The City of Bethlehem - Bureau of Water; The City of Coatesville Authority; The City of Lancaster - Bureau of Water; Peoples Energy Corporation; The York Water Company; Public Service Company of Colorado; Enbridge Pipelines; Enbridge Gas Distribution, Inc.; Reliant Energy-HLP; Massachusetts-American Water Company; St. Louis County Water Company; Missouri-American Water Company; Chugach Electric Association; Alliant Energy; Oklahoma Gas & Electric Company; Nevada Power Company; Dominion Virginia Power; NUI-Virginia Gas Companies; Pacific Gas & Electric Company; PSI Energy; NUI - Elizabethtown Gas Company; Cinergy Corporation - CG&E; Cinergy Corporation - ULH&P; Columbia Gas of Kentucky; South Carolina Electric & Gas Company; Idaho Power Company; El Paso

Electric Company; Aqua North Carolina; Aqua Ohio; Aqua Texas, Inc.; Ameren Missouri; Central Hudson Gas & Electric; Centennial Pipeline Company; CenterPoint Energy-Arkansas; CenterPoint Energy – Oklahoma; CenterPoint Energy – Entex; CenterPoint Energy - Louisiana; NSTAR – Boston Edison Company; Westar Energy, Inc.; United Water Pennsylvania; PPL Electric Utilities; PPL Gas Utilities; Wisconsin Power & Light Company; TransAlaska Pipeline; Avista Corporation; Northwest Natural Gas; Allegheny Energy Supply, Inc.; Public Service Company of North Carolina; South Jersey Gas Company; Duquesne Light Company; MidAmerican Energy Company; Laclede Gas; Duke Energy Company; E.ON U.S. Services Inc.; Elkton Gas Services; Anchorage Water and Wastewater Utility; Kansas City Power and Light; Duke Energy North Carolina; Duke Energy South Carolina; Monongahela Power Company; Potomac Edison Company; Duke Energy Ohio Gas; Duke Energy Kentucky; Duke Energy Indiana; Duke Energy Progress; Northern Indiana Public Service Company; Tennessee-American Water Company; Columbia Gas of Maryland; Bonneville Power Administration; NSTAR Electric and Gas Company; EPCOR Distribution, Inc.; B. C. Gas Utility, Ltd; Entergy Arkansas; Entergy Texas; Entergy Mississippi; Entergy Louisiana; Entergy Gulf States Louisiana; the Borough of Hanover; Louisville Gas and Electric Company; Kentucky Utilities Company; Madison Gas and Electric; Central Maine Power; PEPCO; PacifiCorp; Minnesota Energy Resource Group; Jersey Central Power & Light Company; Cheyenne Light, Fuel and Power Company; United Water Arkansas; Central Vermont Public Service Corporation; Green Mountain Power; Portland General Electric Company; Atlantic City Electric; Nicor Gas Company; Black Hills Power; Black Hills Colorado Gas; Black Hills Kansas Gas; Black Hills Service Company; Black Hills Utility Holdings; Public Service Company of Oklahoma; City of Dubois; Peoples Gas Light and Coke Company; North Shore Gas

Company; Connecticut Light and Power; New York State Electric and Gas Corporation; Rochester Gas and Electric Corporation; Greater Missouri Operations; Tennessee Valley Authority; Omaha Public Power District; Indianapolis Power & Light Company; Vermont Gas Systems, Inc.; Metropolitan Edison; Pennsylvania Electric; West Penn Power; Pennsylvania Power; PHI Service Company - Delmarva Power and Light; Atmos Energy Corporation; Citizens Energy Group; PSE&G Company; Berkshire Gas Company; Alabama Gas Corporation; Mid-Atlantic Interstate Transmission, LLC; SUEZ Water; WEC Energy Group; Rocky Mountain Natural Gas, LLC; Illinois-American Water Company and Northern Illinois Gas Company.

My additional duties include determining final life and salvage estimates, conducting field reviews, presenting recommended depreciation rates to management for its consideration and supporting such rates before regulatory bodies.

**Q. Have you submitted testimony to any state utility commission on the subject of utility plant depreciation?**

A. Yes. I have submitted testimony to the Pennsylvania Public Utility Commission; the Commonwealth of Kentucky Public Service Commission; the Public Utilities Commission of Ohio; the Nevada Public Utility Commission; the Public Utilities Board of New Jersey; the Missouri Public Service Commission; the Massachusetts Department of Telecommunications and Energy; the Alberta Energy & Utility Board; the Idaho Public Utility Commission; the Louisiana Public Service Commission; the State Corporation Commission of Kansas; the Oklahoma Corporate Commission; the Public Service Commission of South Carolina; Railroad Commission of Texas – Gas Services Division; the New York Public Service Commission; Illinois Commerce Commission; the Indiana Utility Regulatory Commission; the California Public Utilities Commission; the Federal



Energy Regulatory Commission (“FERC”); the Arkansas Public Service Commission; the Public Utility Commission of Texas; Maryland Public Service Commission; Washington Utilities and Transportation Commission; The Tennessee Regulatory Commission; the Regulatory Commission of Alaska; Minnesota Public Utility Commission; Utah Public Service Commission; District of Columbia Public Service Commission; the Mississippi Public Service Commission; Delaware Public Service Commission; Virginia State Corporation Commission; Colorado Public Utility Commission; Oregon Public Utility Commission; South Dakota Public Utilities Commission; Wisconsin Public Service Commission; Wyoming Public Service Commission; Maine Public Utility Commission; Iowa Utility Board; Connecticut Public Utilities Regulatory Authority; New Mexico Public Regulation Commission; Commonwealth of Massachusetts Department of Public Utilities; Rhode Island Public Utilities Commission and the North Carolina Utilities Commission.

**Q. Have you had any additional education relating to utility plant depreciation?**

A. Yes. I have completed the following courses conducted by Depreciation Programs, Inc.: “Techniques of Life Analysis,” “Techniques of Salvage and Depreciation Analysis,” “Forecasting Life and Salvage,” “Modeling and Life Analysis Using Simulation,” and “Managing a Depreciation Study.” I have also completed the “Introduction to Public Utility Accounting” program conducted by the American Gas Association.

**Q. Does this conclude your qualification statement?**

A. Yes.

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
01.	1998	PA PUC	R-00984375	City of Bethlehem – Bureau of Water	Original Cost and Depreciation
02.	1998	PA PUC	R-00984567	City of Lancaster	Original Cost and Depreciation
03.	1999	PA PUC	R-00994605	The York Water Company	Depreciation
04.	2000	D.T.&E.	DTE 00-105	Massachusetts-American Water Company	Depreciation
05.	2001	PA PUC	R-00016114	City of Lancaster	Original Cost and Depreciation
06.	2001	PA PUC	R-00017236	The York Water Company	Depreciation
07.	2001	PA PUC	R-00016339	Pennsylvania-American Water Company	Depreciation
08.	2001	OH PUC	01-1228-GA-AIR	Cinergy Corp – Cincinnati Gas & Elect Co.	Depreciation
09.	2001	KY PSC	2001-092	Cinergy Corp – Union Light, Heat & Power Co.	Depreciation
10.	2002	PA PUC	R-00016750	Philadelphia Suburban Water Company	Depreciation
11.	2002	KY PSC	2002-00145	Columbia Gas of Kentucky	Depreciation
12.	2002	NJ BPU	GF02040245	NUI Corporation/Elizabethtown Gas Co.	Depreciation
13.	2002	ID PUC	IPC-E-03-7	Idaho Power Company	Depreciation
14.	2003	PA PUC	R-0027975	The York Water Company	Depreciation
15.	2003	IN URC	R-0027975	Cinergy Corp – PSI Energy, Inc.	Depreciation
16.	2003	PA PUC	R-00038304	Pennsylvania-American Water Co.	Depreciation
17.	2003	MO PSC	WR-2003-0500	Missouri-American Water Co.	Depreciation
18.	2003	FERC	ER-03-1274-000	NSTAR-Boston Edison Company	Depreciation
19.	2003	NJ BPU	BPU 03080683	South Jersey Gas Company	Depreciation
20.	2003	NV PUC	03-10001	Nevada Power Company	Depreciation
21.	2003	LA PSC	U-27676	CenterPoint Energy – Arkla	Depreciation
22.	2003	PA PUC	R-00038805	Pennsylvania Suburban Water Company	Depreciation
23.	2004	AB En/Util Bd	1306821	EPCOR Distribution, Inc.	Depreciation
24.	2004	PA PUC	R-00038168	National Fuel Gas Distribution Corp (PA)	Depreciation
25.	2004	PA PUC	R-00049255	PPL Electric Utilities	Depreciation
26.	2004	PA PUC	R-00049165	The York Water Company	Depreciation
27.	2004	OK Corp Cm	PUC 200400187	CenterPoint Energy – Arkla	Depreciation
28.	2004	OH PUC	04-680-EI-AIR	Cinergy Corp. – Cincinnati Gas and Electric Company	Depreciation
29.	2004	RR Com of TX	GUD#	CenterPoint Energy – Entex Gas Services Div.	Depreciation
30.	2004	NY PUC	04-G-1047	National Fuel Gas Distribution Gas (NY)	Depreciation
31.	2004	AR PSC	04-121-U	CenterPoint Energy – Arkla	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
32.	2005	IL CC	05-	North Shore Gas Company	Depreciation
33.	2005	IL CC	05-	Peoples Gas Light and Coke Company	Depreciation
34.	2005	KY PSC	2005-00042	Union Light Heat & Power	Depreciation
35.	2005	IL CC	05-0308	MidAmerican Energy Company	Depreciation
36.	2005	MO PSC	GF-2005	Laclede Gas Company	Depreciation
37.	2005	KS CC	05-WSEE-981-RTS	Westar Energy	Depreciation
38.	2005	RR Com of TX	GUD #	CenterPoint Energy – Entex Gas Services Div.	Depreciation
39.	2005	FERC		Cinergy Corporation	Accounting
40.	2005	OK CC	PUD 200500151	Oklahoma Gas and Electric Co.	Depreciation
41.	2005	MA Dept Tele- com & Ergy	DTE 05-85	NSTAR	Depreciation
42.	2005	NY PUC	05-E-934/05-G-0935	Central Hudson Gas & Electric Co.	Depreciation
43.	2005	AK Reg Com	U-04-102	Chugach Electric Association	Depreciation
44.	2005	CA PUC	A05-12-002	Pacific Gas & Electric	Depreciation
45.	2006	PA PUC	R-00051030	Aqua Pennsylvania, Inc.	Depreciation
46.	2006	PA PUC	R-00051178	T.W. Phillips Gas and Oil Co.	Depreciation
47.	2006	NC Util Cm.		Pub. Service Co. of North Carolina	Depreciation
48.	2006	PA PUC	R-00051167	City of Lancaster	Depreciation
49.	2006	PA PUC	R00061346	Duquesne Light Company	Depreciation
50.	2006	PA PUC	R-00061322	The York Water Company	Depreciation
51.	2006	PA PUC	R-00051298	PPL GAS Utilities	Depreciation
52.	2006	PUC of TX	32093	CenterPoint Energy – Houston Electric	Depreciation
53.	2006	KY PSC	2006-00172	Duke Energy Kentucky	Depreciation
54.	2006	SC PSC		SCANA	
55.	2006	AK Reg Com	U-06-6	Municipal Light and Power	Depreciation
56.	2006	DE PSC	06-284	Delmarva Power and Light	Depreciation
57.	2006	IN URC	IURC43081	Indiana American Water Company	Depreciation
58.	2006	AK Reg Com	U-06-134	Chugach Electric Association	Depreciation
59.	2006	MO PSC	WR-2007-0216	Missouri American Water Company	Depreciation
60.	2006	FERC	ISO82, ETC. AL	TransAlaska Pipeline	Depreciation
61.	2006	PA PUC	R-00061493	National Fuel Gas Distribution Corp. (PA)	Depreciation
62.	2007	NC Util Com.	E-7 SUB 828	Duke Energy Carolinas, LLC	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
63.	2007	OH PSC	08-709-EL-AIR	Duke Energy Ohio Gas	Depreciation
64.	2007	PA PUC	R-00072155	PPL Electric Utilities Corporation	Depreciation
65.	2007	KY PSC	2007-00143	Kentucky American Water Company	Depreciation
66.	2007	PA PUC	R-00072229	Pennsylvania American Water Company	Depreciation
67.	2007	KY PSC	2007-0008	NIsource – Columbia Gas of Kentucky	Depreciation
68.	2007	NY PSC	07-G-0141	National Fuel Gas Distribution Corp (NY)	Depreciation
69.	2008	AK PSC	U-08-004	Anchorage Water & Wastewater Utility	Depreciation
70.	2008	TN Reg Auth	08-00039	Tennessee-American Water Company	Depreciation
71.	2008	DE PSC	08-96	Artesian Water Company	Depreciation
72.	2008	PA PUC	R-2008-2023067	The York Water Company	Depreciation
73.	2008	KS CC	08-WSEE1-RTS	Westar Energy	Depreciation
74.	2008	IN URC	43526	Northern Indiana Public Service Co.	Depreciation
75.	2008	IN URC	43501	Duke Energy Indiana	Depreciation
76.	2008	MD PSC	9159	NIsource – Columbia Gas of Maryland	Depreciation
77.	2008	KY PSC	2008-000251	Kentucky Utilities	Depreciation
78.	2008	KY PSC	2008-000252	Louisville Gas & Electric	Depreciation
79.	2008	PA PUC	2008-20322689	Pennsylvania American Water Co.-Wastewater	Depreciation
80.	2008	NY PSC	08-E887/08-00888	Central Hudson	Depreciation
81.	2008	WV TC	VE-080416/VG-8080417	Avista Corporation	Depreciation
82.	2008	IL CC	ICC-09-166	Peoples Gas, Light and Coke Co.	Depreciation
83.	2009	IL CC	ICC-09-167	North Shore Gas Company	Depreciation
84.	2009	DC PSC	1076	Potomac Electric Power Company	Depreciation
85.	2009	KY PSC	2009-00141	NIsource – Columbia Gas of Kentucky	Depreciation
86.	2009	FERC	ER08-1056-002	Entergy Services	Depreciation
87.	2009	PA PUC	R-2009-2097323	Pennsylvania American Water Co.	Depreciation
88.	2009	NC Util Cm	E-7, Sub 090	Duke Energy Carolinas, LLC	Depreciation
89.	2009	KY PSC	2009-00202	Duke Energy Kentucky	Depreciation
90.	2009	VA St. CC	PUE-2009-00059	Aqua Virginia, Inc.	Depreciation
91.	2009	PA PUC	2009-2132019	Aqua Pennsylvania, Inc.	Depreciation
92.	2009	MS PSC	09-	Entergy Mississippi	Depreciation
93.	2009	AK PSC	09-08-U	Entergy Arkansas	Depreciation
94.	2009	TX PUC	37744	Entergy Texas	Depreciation
95.	2009	TX PUC	37690	El Paso Electric Company	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
96.	2009	PA PUC	R-2009-2106908	The Borough of Hanover	Depreciation
97.	2009	KS CC	10-KCPE-415-RTS	Kansas City Power & Light	Depreciation
98.	2009	PA PUC	R-2009-	United Water Pennsylvania	Depreciation
99.	2009	OH PUC		Aqua Ohio Water Company	Depreciation
100.	2009	WI PSC	3270-DU-103	Madison Gas & Electric Co.	Depreciation
101.	2009	MO PSC	WR-2010	Missouri American Water Co.	Depreciation
102.	2009	AK Reg Cm	U-09-097	Chugach Electric Association	Depreciation
103.	2010	IN URC	43969	Northern Indiana Public Service Co.	Depreciation
104.	2010	WI PSC	6690-DU-104	Wisconsin Public Service Corp.	Depreciation
105.	2010	PA PUC	R-2010-2161694	PPL Electric Utilities Corp.	Depreciation
106.	2010	KY PSC	2010-00036	Kentucky American Water Company	Depreciation
107.	2010	PA PUC	R-2009-2149262	Columbia Gas of Pennsylvania	Depreciation
108.	2010	MO PSC	GR-2010-0171	Laclede Gas Company	Depreciation
109.	2010	SC PSC	2009-489-E	South Carolina Electric & Gas Co.	Depreciation
110.	2010	NJ BD OF PU	ER09080664	Atlantic City Electric	Depreciation
111.	2010	VA St. CC	PUE-2010-00001	Virginia American Water Company	Depreciation
112.	2010	PA PUC	R-2010-2157140	The York Water Company	Depreciation
113.	2010	MO PSC	ER-2010-0356	Greater Missouri Operations Co.	Depreciation
114.	2010	MO PSC	ER-2010-0355	Kansas City Power and Light	Depreciation
115.	2010	PA PUC	R-2010-2167797	T.W. Phillips Gas and Oil Co.	Depreciation
116.	2010	PSC SC	2009-489-E	SCANA – Electric	Depreciation
117.	2010	PA PUC	R-2010-22010702	Peoples Natural Gas, LLC	Depreciation
118.	2010	AK PSC	10-067-U	Oklahoma Gas and Electric Co.	Depreciation
119.	2010	IN URC		Northern Indiana Public Serv. Co. - NIFL	Depreciation
120.	2010	IN URC		Northern Indiana Public Serv. Co. - Kokomo	Depreciation
121.	2010	PA PUC	R-2010-2166212	Pennsylvania American Water Co - WW	Depreciation
122.	2010	NC Util Cn.	W-218,SUB310	Aqua North Carolina, Inc.	Depreciation
123.	2011	OH PUC	11-4161-WS-AIR	Ohio American Water Company	Depreciation
124.	2011	MS PSC	EC-123-0082-00	Entergy Mississippi	Depreciation
125.	2011	CO PUC	11AL-387E	Black Hills Colorado	Depreciation
126.	2011	PA PUC	R-2010-2215623	Columbia Gas of Pennsylvania	Depreciation
127.	2011	PA PUC	R-2010-2179103	Lancaster, City of – Bureau of Water	Depreciation
128.	2011	IN URC	43114 IGCC 4S	Duke Energy Indiana	Depreciation
129.	2011	FERC	IS11-146-000	Enbridge Pipelines (Southern Lights)	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

	<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>
130.	2011	IL CC	11-0217	MidAmerican Energy Corporation	Depreciation
131.	2011	OK CC	201100087	Oklahoma Gas & Electric Co.	Depreciation
132.	2011	PA PUC	2011-2232243	Pennsylvania American Water Company	Depreciation
133.	2011	FERC	2011-2232243	Carolina Gas Transmission	Depreciation
134.	2012	WA UTC	UE-120436/UG-120437	Avista Corporation	Depreciation
135.	2012	AK Reg Cm	U-12-009	Chugach Electric Association	Depreciation
136.	2012	MA PUC	DPJ 12-25	Columbia Gas of Massachusetts	Depreciation
137.	2012	TX PUC	40094	El Paso Electric Company	Depreciation
138.	2012	ID PUC	IPC-E-12	Idaho Power Company	Depreciation
139.	2012	PA PUC	R-2012-2290597	PPL Electric Utilities	Depreciation
140.	2012	PA PUC	R-2012-2311725	Hanover, Borough of – Bureau of Water	Depreciation
141.	2012	KY PSC	2012-00222	Louisville Gas and Electric Company	Depreciation
142.	2012	KY PSC	2012-00221	Kentucky Utilities Company	Depreciation
143.	2012	PA PUC	R-2012-2285985	Peoples Natural Gas Company	Depreciation
144.	2012	DC PSC	Case 1087	Potomac Electric Power Company	Depreciation
145.	2012	OH PSC	12-1682-EL-AIR	Duke Energy Ohio (Electric)	Depreciation
146.	2012	OH PSC	12-1685-GA-AIR	Duke Energy Ohio (Gas)	Depreciation
147.	2012	PA PUC	R-2012-2310366	Lancaster, City of – Sewer Fund	Depreciation
148.	2012	PA PUC	R-2012-2321748	Columbia Gas of Pennsylvania	Depreciation
149.	2012	FERC	ER-12-2681-000	ITC Holdings	Depreciation
150.	2012	MO PSC	ER-2012-0174	Kansas City Power and Light	Depreciation
151.	2012	MO PSC	ER-2012-0175	KCP&L Greater Missouri Operations Co.	Depreciation
152.	2012	MO PSC	GO-2012-0363	Laclede Gas Company	Depreciation
153.	2012	MN PUC	G007,001/D-12-533	Integrus – MN Energy Resource Group	Depreciation
153.	2012	TX PUC		Aqua Texas	Depreciation
155.	2012	PA PUC	2012-2336379	York Water Company	Depreciation
156.	2013	NI BPU	ER12121071	PHI Service Co. – Atlantic City Electric	Depreciation
157.	2013	KY PSC	2013-00167	Columbia Gas of Kentucky	Depreciation
158.	2013	VA St CC	2013-00020	Virginia Electric and Power Co.	Depreciation
159.	2013	IA Util Bd	2013-0004	MidAmerican Energy Corporation	Depreciation
160.	2013	PA PUC	2013-2355276	Pennsylvania American Water Co.	Depreciation
161.	2013	NY PSC	13-E-0030, 13-G-0031, 13-S-0032	Consolidated Edison of New York	Depreciation
162.	2013	PA PUC	2013-2355886	Peoples TWP LLC	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>	
163.	2013	TN Reg Auth	12-0504	Tennessee American Water	Depreciation
164.	2013	ME PUC	2013-168	Central Maine Power Company	Depreciation
165.	2013	DC PSC	Case 1103	PHI Service Co. – PEPCO	Depreciation
166.	2013	WY PSC	2003-ER-13	Cheyenne Light, Fuel and Power Co.	Depreciation
167.	2013	FERC	ER13- 0000	Kentucky Utilities	Depreciation
168.	2013	FERC	ER13- 0000	MidAmerican Energy Company	Depreciation
169.	2013	FERC	ER13- 0000	PPL Utilities	Depreciation
170.	2013	PA PUC	R-2013-2372129	Duquesne Light Company	Depreciation
171.	2013	NJ BPU	ER12111052	Jersey Central Power and Light Co.	Depreciation
172.	2013	PA PUC	R-2013-2390244	Bethlehem, City of – Bureau of Water	Depreciation
173.	2013	OK CC	UM 1679	Oklahoma, Public Service Company of	Depreciation
174.	2013	IL CC	13-0500	Nicor Gas Company	Depreciation
175.	2013	WY PSC	20000-427-EA-13	PacifiCorp	Depreciation
176.	2013	UT PSC	13-035-02	PacifiCorp	Depreciation
177.	2013	OR PUC	UM 1647	PacifiCorp	Depreciation
178.	2013	PA PUC	2013-2350509	Dubois, City of	Depreciation
179.	2014	IL CC	14-0224	North Shore Gas Company	Depreciation
180.	2014	FERC	ER14-	Duquesne Light Company	Depreciation
181.	2014	SD PUC	EL14-026	Black Hills Power Company	Depreciation
182.	2014	WY PSC	20002-91-ER-14	Black Hills Power Company	Depreciation
183.	2014	PA PUC	2014-2428304	Hanover, Borough of – Municipal Water Works	Depreciation
184.	2014	PA PUC	2014-2406274	Columbia Gas of Pennsylvania	Depreciation
185.	2014	IL CC	14-0225	Peoples Gas Light and Coke Company	Depreciation
186.	2014	MO PSC	ER-2014-0258	Ameren Missouri	Depreciation
187.	2014	KS CC	14-BHCG-502-RTS	Black Hills Service Company	Depreciation
188.	2014	KS CC	14-BHCG-502-RTS	Black Hills Utility Holdings	Depreciation
189.	2014	KS CC	14-BHCG-502-RTS	Black Hills Kansas Gas	Depreciation
190.	2014	PA PUC	2014-2418872	Lancaster, City of – Bureau of Water	Depreciation
191.	2014	WV PSC	14-0701-E-D	First Energy – MonPower/PotomacEdison	Depreciation
192.	2014	VA St CC	PUC-2014-00045	Aqua Virginia	Depreciation
193.	2014	VA St CC	PUE-2013	Virginia American	Depreciation
194.	2014	OK CC	PUD201400229	Oklahoma Gas and Electric	Depreciation
195.	2014	OR PUC	UM1679	Portland General Electric	Depreciation
196.	2014	IN URC	Cause No. 44576	Indianapolis Power & Light	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>	
197.	2014	MA DPU	DPU. 14-150	NSTAR Gas	Depreciation
198.	2014	CT PURA	14-05-06	Connecticut Light and Power	Depreciation
199.	2014	MO PSC	ER-2014-0370	Kansas City Power & Light	Depreciation
200.	2014	KY PSC	2014-00371	Kentucky Utilities Company	Depreciation
201.	2014	KY PSC	2014-00372	Louisville Gas and Electric Company	Depreciation
202.	2015	PA PUC	R-2015-2462723	United Water Pennsylvania Inc.	Depreciation
203.	2015	PA PUC	R-2015-2468056	Columbia Gas of Pennsylvania	Depreciation
204.	2015	NY PSC	15-E-0283/15-G-0284	New York State Electric and Gas Corporation	Depreciation
205.	2015	NY PSC	15-E-0285/15-G-0286	Rochester Gas and Electric Corporation	Depreciation
206.	2015	MO PSC	WR-2015-0301/SR-2015-0302	Missouri American Water Company	Depreciation
207.	2015	OK CC	PUD 201500208	Oklahoma, Public Service Company of	Depreciation
208.	2015	WV PSC	15-0676-W-42T	West Virginia American Water Company	Depreciation
209.	2015	PA PUC	2015-2469275	PPL Electric Utilities	Depreciation
210.	2015	IN URC	Cause No. 44688	Northern Indiana Public Service Company	Depreciation
211.	2015	OH PSC	14-1929-EL-RDR	First Energy-Ohio Edison/Cleveland Electric/ Toledo Edison	Depreciation
212.	2015	NM PRC	15-00127-UT	El Paso Electric	Depreciation
213.	2015	TX PUC	PUC-44941; SOAH 473-15-5257	El Paso Electric	Depreciation
214.	2015	WI PSC	3270-DU-104	Madison Gas and Electric Company	Depreciation
215.	2015	OK CC	PUD 201500273	Oklahoma Gas and Electric	Depreciation
216.	2015	KY PSC	Doc. No. 2015-00418	Kentucky American Water Company	Depreciation
217.	2015	NC UC	Doc. No. G-5, Sub 565	Public Service Company of North Carolina	Depreciation
218.	2016	WA UTC	Docket UE-17	Puget Sound Energy	Depreciation
219.	2016	NY PSC	Case No. 16-W-0130	Suez Water New York, Inc.	Depreciation
220.	2016	MO PSC	ER-2016-0156	KCP&L – Greater Missouri	Depreciation
221.	2016	WI PSC		Wisconsin Public Service Commission	Depreciation
222.	2016	KY PSC	Case No. 2016-00026	Kentucky Utilities Company	Depreciation
223.	2016	KY PSC	Case No. 2016-00027	Louisville Gas and Electric Company	Depreciation
224.	2016	OH PUC	Case No. 16-0907-WW-AIR	Atua Ohio	Depreciation
225.	2016	MD PSC	Case 9417	Columbia Gas of Maryland	Depreciation
226.	2016	KY PSC	2016-00162	Columbia Gas of Kentucky	Depreciation
227.	2016	DE PSC	16-0649	Delmarva Power and Light Co. – Electric	Depreciation
228.	2016	DE PSC	16-0650	Delmarva Power and Light Co. – Gas	Depreciation
229.	2016	NY PSC	Case 16-G-0257	National Fuel Gas Distribution Corp – NY Div	Depreciation



LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>	
230.	2016	PA PUC	R-2016-2537349	Metropolitan Edison Company	Depreciation
231.	2016	PA PUC	R-2016-2537352	Pennsylvania Electric Company	Depreciation
232.	2016	PA PUC	R-2016-2537355	Pennsylvania Power Company	Depreciation
233.	2016	PA PUC	R-2016-2537359	West Penn Power Company	Depreciation
234.	2016	PA PUC	R-2016-2529660	Columbia Gas of PA	Depreciation
235.	2016	KY PSC	Case No. 2016-00063	Kentucky Utilities / Louisville Gas & Electric Co	Depreciation
236.	2016	MO PSC	ER-2016-0285	KCPL Missouri	Depreciation
237.	2016	AR PSC	16-052-U	Oklahoma Gas & Electric Co	Depreciation
238.	2016	PSCW	6680-DU-104	Wisconsin Power and Light	Depreciation
239.	2016	ID PUC	IPC-E-16-23	Idaho Power Company	Depreciation
240.	2016	OR PUC	UM1801	Idaho Power Company	Depreciation
241.	2016	ILL CC	16-	MidAmerican Energy Company	Depreciation
242.	2016	KY PSC	Case No. 2016-00370	Kentucky Utilities Company	Depreciation
243.	2016	KY PSC	Case No. 2016-00371	Louisville Gas and Electric Company	Depreciation
244.	2016	IN URC		Indianapolis Power & Light	Depreciation
245.	2016	AL RC	U-16-081	Chugach Electric Association	Depreciation
246.	2017	MA DPU	D.P.U. 17-05	NSTAR Electric Company and Western Massachusetts Electric Company	Depreciation
247.	2017	TX PUC	PUC-26831, SOAH 973-17-2686	El Paso Electric Company	Depreciation
248.	2017	WA UT&C	UE-17033 and UG-170034	Puget Sound Energy	Depreciation
249.	2017	OH PUC	Case No. 17-0032-EL-AIR	Duke Energy Ohio	Depreciation
250.	2017	VA SCC	Case No. PUE-2016-00413	Virginia Natural Gas, Inc.	Depreciation
251.	2017	OK CC	Case No. PUD201700151	Oklahoma, Public Service Company of	Depreciation
252.	2017	MD PSC	Case No. 9447	Columbia Gas of Maryland	Depreciation
253.	2017	NC UC	Docket No. E-2, Sub 1142	Duke Energy Progress	Depreciation
254.	2017	VA SCC	Case No. PUR-2017-00090	Dominion Virginia Electric and Power Company	Depreciation
255.	2017	FERC	ER17-1162	MidAmerican Energy Company	Depreciation
256.	2017	PA PUC	R-2017-2595853	Pennsylvania American Water Company	Depreciation
257.	2017	OR PUC	UM1809	Portland General Electric	Depreciation
258.	2017	FERC	ER17-217	Jersey Central Power & Light	Depreciation
259.	2017	FERC	ER17-211	Mid-Atlantic Interstate Transmission, LLC	Depreciation
260.	2017	MN PUC	Docket No. G007/D-17-442	Minnesota Energy Resources Corporation	Depreciation
261.	2017	IL CC	Docket No. 17-0124	Northern Illinois Gas Company	Depreciation
262.	2017	OR PUC	UM1808	Northwest Natural Gas Company	Depreciation

LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY, cont.

<u>Year</u>	<u>Jurisdiction</u>	<u>Docket No.</u>	<u>Client Utility</u>	<u>Subject</u>	
263.	2017	NY PSC	Case No. 17-W-0528	SUEZ Water Owego-Nichols	Depreciation
264.	2017	MO PSC	GR-2017-0215	Laclede Gas Company	Depreciation
265.	2017	MO PSC	GR-2017-0216	Missouri Gas Energy	Depreciation
266.	2017	ILL CC	Docket No. 17-0337	Illinois-American Water Company	Depreciation
267.	2017	FERC	Docket No. ER17-____	PPL Electric Utilities Corporation	Depreciation
268.	2017	IN URC	Cause No. 44988	Northern Indiana Public Service Company	Depreciation
269.	2017	NJ BPU	BPU Docket No. WR17090985	New Jersey American Water Company, Inc.	Depreciation
270.	2017	RI PUC	Docket No. 4800	SUEZ Water Rhode Island	Depreciation
271.	2017	OK CC	Cause No. PUD 201700496	Oklahoma Gas and Electric Company	Depreciation
272.	2017	NJ BPU	ER18010029 & GR18010030	Public Service Electric and Gas Company	Depreciation
273.	2017	NC Util Com.	Docket No. E-7, SUB 1146	Duke Energy Carolinas, LLC	Depreciation
274.	2017	KY PSC	Case No. 2017-00321	Duke Energy Kentucky, Inc.	Depreciation
275.	2017	MA DPU	D.P.U. 18-40	Berkshire Gas Company	Depreciation
276.	2018	IN IURC	Cause No. 44992	Indiana-American Water Company, Inc.	Depreciation
277.	2018	IN IURC	Cause No. 45029	Indianapolis Power and Light	Depreciation
278.	2018	NC Util Com.	Docket No. W-218, Sub 497	Aqua North Carolina, Inc.	Depreciation
279.	2018	PA PUC	Docket No. R-2018-2647577	Columbia Gas of Pennsylvania, Inc.	Depreciation
280.	2018	OR PUC	Docket UM 1933	Avista Corporation	Depreciation
281.	2018	WA UTC	Docket No. UE-108167	Avista Corporation	Depreciation
282.	2018	ID PUC	AVU-E-18-03, AVU-G-18-02	Avista Corporation	Depreciation
283.	2018	IN URC	Cause No. 45039	Citizens Energy Group	Depreciation
284.	2018	FERC	Docket No. ER18-	Duke Energy Progress	Depreciation
285.	2018	PA PUC	Docket No. R-2018-	Duquesne Light Company	Depreciation
286.	2018	MD PSC	Case No. 948	Columbia Gas of Maryland	Depreciation
287.	2018	MA DPU	D.P.U. 18-45	Columbia Gas of Massachusetts	Depreciation
288.	2018	OH PUC	Case No. 18-0299-GA-A.I.T	Vectren Energy Delivery of Ohio	Depreciation
289.	2018	PA PUC	Docket No. R-2018-3000834	SUEZ Water Pennsylvania Inc.	Depreciation
290.	2018	MD PSC	Case No.	Maryland-American Water Company	Depreciation
291.	2018	PA PUC	Docket No. R-2018-3000019	The York Water Company	Depreciation
292.	2018	FERC	Docket Nos. ER-18-____,000	Duke Energy Carolinas, LLC	Depreciation

**Heichelbech, Nicholas**

---

**From:** Rutter, Cheryl A. <crutter@GFNET.com>  
**Sent:** Thursday, September 27, 2018 2:34 PM  
**To:** Wiseman, Sara  
**Cc:** Whitaker, Sherrie  
**Subject:** Invoice for Services Provided by Gannett Fleming re LG&E/KU Contract No. 131093 - Depreciation Study - Steam Assets - ACTION REQUESTED  
**Attachments:** 063789 - No. 3778 - September 27, 2018.pdf  
**Importance:** High

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Good afternoon, Sara.....

Attached is our invoice related to consulting services for LG&E/KU re Contract No. 131093 - Depreciation Study - Steam Assets during the period August 4 thru August 31, 2018. Please note that the charges have been allocated to the two entities.

Would you please take the necessary action to have the invoice approved and sent to your Accounts Payable folks for processing of payment.

No paper copy will be sent.

If you have any questions related to the invoice, please contact either John Spanos at [jspanos@efnet.com](mailto:jspanos@efnet.com) or me at [crutter@efnet.com](mailto:crutter@efnet.com).

Thank you, and have a pleasant day.

Cheryl

Cheryl Ann Rutter, CPS | Administrator  
Gannett Fleming Valuation and Rate Consultants, LLC  
Mailing Address: P.O. Box 67100, Harrisburg, PA 17106-7100  
Physical Address: 207 Senate Avenue, Camp Hill, PA 17011  
t 717.763.7211 x2283 f 717.763.4590 | [crutter@efnet.com](mailto:crutter@efnet.com)  
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*Excellence Delivered with Precision*

## INVOICE

**Gannett Fleming Valuation and Rate Consultants, LLC**

LG&E and KU Services Company  
Attn: Sara Wiseman  
P.O. Box 32010  
Louisville, KY 40232-7100

**ACH/EFT Payment Information:**  
ABA: 031312738  
Account No.: 5003165655  
Account Name: Gannett Fleming

**Check Payment Information:**  
Gannett Fleming Valuation and Rate Consultants, LLC  
PO Box 829160  
Philadelphia, PA 19182-0160

**Project:** 063789  
**Invoice No:** 063789\*3778  
**Invoice Date:** September 27, 2018

**Federal EIN:** 46-4413705  
**Send Remit Info:** AccountsReceivable@gfnet.com

**Invoice Period: August 4, 2018 through August 31, 2018**

**Project Manager :** John J. Spanos      [jspanos@gfnet.com](mailto:jspanos@gfnet.com)      717 763-7211

Contract No. 131093 - Depreciation Study - Steam Assets

**Summary of Current Charges**

Phase 100	- KU - DEPR-STEAM ASSETS	\$	1,990.00
Phase 200	- LG&E - DEPR-STEAM ASSETS		1,785.00
	Total Charges		\$ 3,775.00
	<b>Total Due This Invoice .....</b>		<b>\$3,775.00</b>



*Excellence Delivered*

Project: 063789  
Invoice No: 063789\*3778  
Invoice Date: September 27, 2018

**Gannett Fleming Valuation and Rate Consultants, LLC**

Phase 100 -- KU - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Analyst	0.50	\$ 170.00	\$ 85.00
John J. Spanos	5.00	260.00	1,300.00
Support Staff	5.50	110.00	605.00
<b>Total Labor Costs</b>			<b>\$ 1,990.00</b>
<b>Total Phase -- 100</b>			<b>\$ 1,990.00</b>

Phase 200 -- LG&E - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Analyst	0.50	170.00	85.00
John J. Spanos	4.00	260.00	1,040.00
Support Staff	6.00	110.00	660.00
<b>Total Labor Costs</b>			<b>\$ 1,785.00</b>
<b>Total Phase -- 200</b>			<b>\$ 1,785.00</b>

**Heichelbech, Nicholas**

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**From:** Wiseman, Sara  
**Sent:** Monday, October 01, 2018 10:35 AM  
**To:** John Spanos (jspanos@gfnet.com)  
**Cc:** Riggs, Eric  
**Subject:** Rate case

John,

As an FYI:

Last Friday, LG&E and KU made electronic filings to the KPSC regarding our 2016 rate case. The links to the filing are:

- LG&E Gas and Electric - [http://psc.ky.gov/PSC\\_WebNet/ViewCaseFilings.aspx?Case=2018-00295](http://psc.ky.gov/PSC_WebNet/ViewCaseFilings.aspx?Case=2018-00295)
- KU Electric - [http://psc.ky.gov/PSC\\_WebNet/ViewCaseFilings.aspx?Case=2018-00294](http://psc.ky.gov/PSC_WebNet/ViewCaseFilings.aspx?Case=2018-00294)

The filings consisted of our:

- Application Cover Letters
- Petitions for Confidential Protection
- Statutory Notices
- Applications for the 2018 Rate Case
- Table of Contents and Verification Pages
- Filing Requirements (Tabs 1-68)
- Testimony and Exhibits for: Thompson, Blake, Bellar, Sinclair, Meiman, Arbough, McKenzie, Garrett, Spanos, Conroy, & Seelye

**Sara Wiseman**

Manager | Property Accounting | LG&E and KU  
220 West Main Street, Louisville, KY 40202  
O: 502-627-3189 | M: 502-880-0766  
lge-ku.com

**Heichelbech, Nicholas**

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**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Tuesday, October 02, 2018 8:08 AM  
**To:** Wiseman, Sara  
**Cc:** Riggs, Eric  
**Subject:** RE: Rate case

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Thanks

**From:** Wiseman, Sara  
**Sent:** Monday, October 1, 2018 10:35 AM  
**To:** Spanos, John J.  
**Cc:** Riggs, Eric  
**Subject:** Rate case

John,

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- KU Electric - [http://psc.ky.gov/PSC\\_WebNet/ViewCaseFilings.aspx?Case=2018-00294](http://psc.ky.gov/PSC_WebNet/ViewCaseFilings.aspx?Case=2018-00294)

The filings consisted of our:

- Application Cover Letters
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**Sara Wiseman**  
Manager | Property Accounting | LG&E and KU  
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**Heichelbech, Nicholas**

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**From:** Wiseman, Sara  
**Sent:** Wednesday, October 10, 2018 11:48 AM  
**To:** John Spanos (jspanos@gfnet.com)  
**Cc:** Riggs, Eric  
**Subject:** Urgent! KPSC Q 1-53 response  
**Attachments:** 2018 PSC DR1 LGE Attach to Q 53 Depr Study.xlsx; 2018 PSC DR1 KU Attach to Q53 Depr Study.xlsx

John,

We received the following question as part of the standard PSC round 1 data requests:

Q-53. Provide a copy of all exhibits and schedules that were prepared in the utility's rate application in Excel spreadsheet format with all formulas intact and unprotected and with all columns and row accessible.

A-53. Attached to this response is a listing of all Excel spreadsheets submitted in response to this question and the requested spreadsheets. The label by which each file is to be identified on the Commission website, under the "File Number" heading, is listed in the second column of the attached list. The third column of the attached list specifies the actual name of the spreadsheet being submitted. The fourth column identifies the specific exhibit or schedule being submitted.

---

We are planning to submit the attached schedules with you as the witness. Of course, there are many other witnesses and attachments on this question as it encompasses the whole filing. Unfortunately, Eric and I were not asked to do this until today and the filing must be made on Friday. Rates will be sending the affidavit for you to sign. I know you are out of the office. Allyson says it can be filed next week.

Sorry for the short notice. We do need to know ASAP if you are not comfortable with this.

Sara

LOUISVILLE GAS AND ELECTRIC COMPANY

**TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017**

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL AMOUNT (7)	ACCRUAL RATE (8)=(7)/(4)	COMPOSITE REMAINING LIFE (9)=(6)/(7)		
<b>DEPRECIABLE PLANT</b>										
<b>STEAM PRODUCTION PLANT</b>										
311.00	STRUCTURES AND IMPROVEMENTS									
	RIVERPORT DISTRIBUTION CENTER	95-R2.5	*	(25)	5,310,284.64	406,568	6,231,288	141,508	2.66	44.0
	MILL CREEK UNIT 1	95-R2.5	*	(10)	21,232,083.22	18,030,458	5,324,834	373,169	1.76	14.3
	MILL CREEK UNIT 2	95-R2.5	*	(10)	14,161,012.84	10,257,954	5,319,160	327,519	2.31	16.2
	MILL CREEK UNIT 2 SCRUBBER	95-R2.5	*	(10)	4,970,628.17	908,754	4,558,937	278,626	5.61	16.4
	MILL CREEK UNIT 3	95-R2.5	*	(10)	29,123,290.17	21,313,461	10,722,158	532,654	1.83	20.1
	MILL CREEK UNIT 3 SCRUBBER	95-R2.5	*	(10)	5,494,516.28	173,524	5,870,444	288,893	5.26	20.3
	MILL CREEK UNIT 4	95-R2.5	*	(10)	73,280,911.39	41,957,732	38,651,271	1,620,533	2.21	23.9
	MILL CREEK UNIT 4 SCRUBBER	95-R2.5	*	(10)	5,792,375.79	2,461,633	3,909,980	162,299	2.80	24.1
	TRIMBLE COUNTY UNIT 1	95-R2.5	*	(14)	107,482,423.29	66,335,130	56,194,833	1,810,718	1.68	31.0
	TRIMBLE COUNTY UNIT 1 SCRUBBER	95-R2.5	*	(14)	889,015.22	6,671	1,006,806	31,696	3.57	31.8
	TRIMBLE COUNTY UNIT 2	95-R2.5	*	(14)	17,403,381.00	2,319,428	17,520,426	375,655	2.16	46.6
	TRIMBLE COUNTY UNIT 2 SCRUBBER	95-R2.5	*	(14)	84,599.93	7,610	88,834	1,903	2.25	46.7
	<i>TOTAL ACCOUNT 311 - STRUCTURES AND IMPROVEMENTS</i>				285,224,521.94	164,178,923	155,398,971	5,945,173	2.08	26.1
311.20	STRUCTURES AND IMPROVEMENTS - RETIRED PLANT									
	CANE RUN UNIT 1	95-R2.5	*	(10)	1,786,178.29	1,964,796	0	0	-	-
	CANE RUN UNIT 2	95-R2.5	*	(10)	1,228,338.33	1,351,172	0	0	-	-
	CANE RUN UNIT 3	95-R2.5	*	(10)	2,035,561.33	2,239,117	0	0	-	-
	CANE RUN UNIT 4	95-R2.5	*	(10)	3,131,855.49	3,445,041	0	0	-	-
	CANE RUN UNIT 4 SCRUBBER	95-R2.5	*	(10)	17,565.79	19,322	0	0	-	-
	CANE RUN UNIT 5	95-R2.5	*	(10)	3,145,664.22	3,460,231	0	0	-	-
	CANE RUN UNIT 5 SCRUBBER	95-R2.5	*	(10)	10,193.27	11,213	0	0	-	-
	CANE RUN UNIT 6	95-R2.5	*	(10)	13,104,413.12	14,414,854	0	0	-	-
	CANE RUN UNIT 6 SCRUBBER	95-R2.5	*	(10)	85,926.95	94,520	0	0	-	-
	<i>TOTAL ACCOUNT 311.2 - STRUCTURES AND IMPROVEMENTS - RETIRED PLANT</i>				24,545,696.79	27,000,266	0	0	-	-
312.00	BOILER PLANT EQUIPMENT									
	MILL CREEK UNIT 1	60-R1	*	(10)	182,136,143.11	44,904,210	155,445,547	11,206,606	6.15	13.9
	MILL CREEK UNIT 1 SCRUBBER	60-R1	*	(10)	16,929,429.83	10,096,169	8,526,204	621,587	3.67	13.7
	MILL CREEK UNIT 2	60-R1	*	(10)	198,502,284.71	23,329,610	195,022,903	12,436,596	6.27	15.7
	MILL CREEK UNIT 2 SCRUBBER	60-R1	*	(10)	114,821,991.46	3,293,371	123,010,820	7,785,517	6.78	15.8
	MILL CREEK UNIT 3	60-R1	*	(10)	277,512,948.88	68,045,505	237,218,739	12,394,515	4.47	19.1
	MILL CREEK UNIT 3 SCRUBBER	60-R1	*	(10)	150,336,700.73	3,777,361	161,593,010	8,327,797	5.54	19.4
	MILL CREEK UNIT 4	60-R1	*	(10)	471,456,638.57	135,726,909	382,875,393	17,032,057	3.61	22.5
	MILL CREEK UNIT 4 SCRUBBER	60-R1	*	(10)	206,349,248.58	17,667,770	209,316,403	9,217,917	4.47	22.7
	TRIMBLE COUNTY UNIT 1	60-R1	*	(14)	322,917,528.20	90,641,330	277,484,652	9,742,924	3.02	28.5
	TRIMBLE COUNTY UNIT 1 SCRUBBER	60-R1	*	(14)	66,837,564.03	33,565,110	42,629,713	1,543,467	2.31	27.6
	TRIMBLE COUNTY UNIT 2	60-R1	*	(14)	146,448,004.91	25,449,556	141,501,170	3,498,812	2.39	40.4
	TRIMBLE COUNTY UNIT 2 SCRUBBER	60-R1	*	(14)	15,152,263.48	3,036,129	14,237,451	352,682	2.33	40.4
	<i>TOTAL ACCOUNT 312 - BOILER PLANT EQUIPMENT</i>				2,169,400,746.49	459,533,030	1,948,862,005	94,160,477	4.34	20.7

LOUISVILLE GAS AND ELECTRIC COMPANY

**TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017**

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL AMOUNT (7)	ACCRUAL RATE (8)=(7)/(4)	COMPOSITE REMAINING LIFE (9)=(6)/(7)
312.10	BOILER PLANT EQUIPMENT - ASH PONDS							
	MILL CREEK UNIT 1 ASH POND	100-S4 *	411,750.29	231,546	180,204	45,051	10.94	4.0
	MILL CREEK UNIT 3 ASH POND	100-S4 *	947,826.39	635,948	311,878	207,919	21.94	1.5
	TRIMBLE COUNTY UNIT 1 ASH POND	100-S4 *	4,867,827.96	1,858,074	3,009,754	501,626	10.30	6.0
	TRIMBLE COUNTY UNIT 2 ASH POND	100-S4 *	5,057,242.50	614,262	4,442,980	1,110,745	21.96	4.0
	<i>TOTAL ACCOUNT 312.1 - BOILER PLANT EQUIPMENT - ASH PONDS</i>		11,284,647.14	3,339,830	7,944,816	1,865,341	16.53	4.3
314.00	TURBOGENERATOR UNITS							
	MILL CREEK UNIT 1	60-R2.5 *	25,971,344.84	11,394,423	17,174,056	1,234,951	4.76	13.9
	MILL CREEK UNIT 2	60-R2.5 *	28,261,136.61	12,265,240	18,822,010	1,191,889	4.22	15.8
	MILL CREEK UNIT 3	60-R2.5 *	34,874,136.89	20,843,142	17,518,409	917,070	2.63	19.1
	MILL CREEK UNIT 4	60-R2.5 *	55,058,036.33	24,696,491	35,867,349	1,583,295	2.88	22.7
	TRIMBLE COUNTY UNIT 1	60-R2.5 *	59,537,576.82	30,778,475	37,094,363	1,294,397	2.17	28.7
	TRIMBLE COUNTY UNIT 2	60-R2.5 *	21,967,018.06	4,789,217	20,253,184	485,677	2.21	41.7
	<i>TOTAL ACCOUNT 314 - TURBOGENERATOR UNITS</i>		225,669,249.55	104,766,988	146,729,371	6,707,279	2.97	21.9
315.00	ACCESSORY ELECTRIC EQUIPMENT							
	MILL CREEK UNIT 1	65-R3 *	18,582,082.97	11,727,023	8,713,268	615,932	3.31	14.1
	MILL CREEK UNIT 1 SCRUBBER	65-R3 *	202,167.22	220,362	2,022	147	0.07	13.8
	MILL CREEK UNIT 2	65-R3 *	13,147,191.98	6,468,006	7,993,905	495,902	3.77	16.1
	MILL CREEK UNIT 2 SCRUBBER	65-R3 *	2,694,916.35	765,601	2,198,807	133,992	4.97	16.4
	MILL CREEK UNIT 3	65-R3 *	26,791,012.14	13,984,708	15,485,405	775,355	2.89	20.0
	MILL CREEK UNIT 3 SCRUBBER	65-R3 *	9,792,181.78	1,349,963	9,421,437	464,826	4.75	20.3
	MILL CREEK UNIT 4	65-R3 *	31,002,634.31	18,728,455	15,374,443	689,720	2.16	23.0
	MILL CREEK UNIT 4 SCRUBBER	65-R3 *	1,667,316.69	564,201	1,269,847	52,480	3.15	24.2
	TRIMBLE COUNTY UNIT 1	65-R3 *	65,098,801.60	30,167,182	44,045,452	1,473,149	2.26	29.9
	TRIMBLE COUNTY UNIT 1 SCRUBBER	65-R3 *	2,736,920.21	2,395,614	724,475	25,313	0.92	28.6
	TRIMBLE COUNTY UNIT 2	65-R3 *	10,679,138.16	1,552,448	10,621,770	235,871	2.21	45.0
	<i>TOTAL ACCOUNT 315 - ACCESSORY ELECTRIC EQUIPMENT</i>		182,394,363.41	87,923,563	115,850,831	4,942,687	2.71	23.4
316.00	MISCELLANEOUS PLANT EQUIPMENT							
	RIVERPORT DISTRIBUTION CENTER	45-R2.5 *	582,917.96	63,737	530,839	14,119	2.42	37.6
	MILL CREEK UNIT 1	45-R2.5 *	1,036,757.76	560,951	579,483	43,834	4.23	13.2
	MILL CREEK UNIT 2	45-R2.5 *	141,316.22	90,413	65,035	4,487	3.18	14.5
	MILL CREEK UNIT 3	45-R2.5 *	347,546.48	334,551	47,750	2,671	0.77	17.9
	MILL CREEK UNIT 4	45-R2.5 *	10,935,346.35	3,654,057	8,374,824	379,457	3.47	22.1
	MILL CREEK UNIT 4 SCRUBBER	45-R2.5 *	43,211.57	47,101	432	19	0.04	22.7
	TRIMBLE COUNTY UNIT 1	45-R2.5 *	3,093,853.20	1,635,209	1,891,784	80,052	2.59	23.6
	TRIMBLE COUNTY UNIT 2	45-R2.5 *	3,528,603.03	384,869	3,637,738	94,925	2.69	38.3
	<i>TOTAL ACCOUNT 316 - MISCELLANEOUS PLANT EQUIPMENT</i>		19,709,552.57	6,770,888	15,127,885	619,564	3.14	24.4
	<b>TOTAL STEAM PRODUCTION PLANT</b>		<b>2,918,228,777.89</b>	<b>853,513,488</b>	<b>2,389,913,879</b>	<b>114,240,521</b>		

\* LIFE SPAN PROCEDURE IS USED. CURVE SHOWN IS INTERIM SURVIVOR CURVE

KENTUCKY UTILITIES COMPANY

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<b>DEPRECIABLE PLANT</b>								
<b>STEAM PRODUCTION PLANT</b>								
311.00	STRUCTURES AND IMPROVEMENTS							
	TRIMBLE COUNTY UNIT 2	105-R2.5	96,307,268.16	27,875,957	80,951,256	1,740,732	1.81	48.5
	TRIMBLE COUNTY UNIT 2 SCRUBBER	105-R2.5	5,556,451.46	3,229,484	3,049,308	67,285	1.21	45.3
	SYSTEM LABORATORY	105-R2.5	1,117,119.13	736,160	380,959	17,187	1.54	22.2
	BROWN UNIT 1	105-R2.5	4,677,142.79	4,955,316	2,455	2,099	0.04	1.2
	BROWN UNIT 2	105-R2.5	2,309,727.39	2,431,335	16,976	14,510	0.03	1.2
	BROWN UNIT 3	105-R2.5	28,734,404.33	14,706,856	15,772,813	910,868	3.17	17.3
	BROWN UNIT 1, 2 AND 3 SCRUBBER	105-R2.5	45,382,543.88	12,264,813	35,840,084	2,062,175	4.54	17.4
	GHENT UNIT 1 SCRUBBER	105-R2.5	8,397,102.12	7,509,513	1,559,454	95,610	1.14	16.3
	GHENT UNIT 1	105-R2.5	21,345,248.67	17,200,351	5,852,518	358,281	1.68	16.3
	GHENT UNIT 2	105-R2.5	10,853,049.60	14,451,749	3,533,545	210,196	1.31	16.2
	GHENT UNIT 3	105-R2.5	51,457,056.74	34,353,891	21,219,730	1,106,327	2.15	19.2
	GHENT UNIT 4	105-R2.5	43,271,100.71	16,600,841	30,072,013	1,486,395	3.44	20.2
	GHENT UNIT 2 SCRUBBER	105-R2.5	15,816,339.70	14,084,948	2,998,099	183,959	1.16	16.3
	GHENT UNIT 4 SCRUBBER	105-R2.5	36,901.04	0	39,853	1,958	5.31	20.4
	<b>TOTAL ACCOUNT 311 - STRUCTURES AND IMPROVEMENTS</b>		<b>341,081,605.72</b>	<b>170,461,214</b>	<b>201,288,261</b>	<b>8,265,002</b>	<b>2.42</b>	<b>24.4</b>
311.20	STRUCTURES AND IMPROVEMENTS - RETIRED PLANT							
	TYRONE UNIT 3	105-R2.5	1,821,179.50	2,003,297	0	0	-	-
	TYRONE UNITS 1 AND 2	105-R2.5	630,800.03	693,948	0	0	-	-
	GREEN RIVER UNIT 3	105-R2.5	2,756,302.50	3,031,933	0	0	-	-
	GREEN RIVER UNIT 4	105-R2.5	5,631,448.40	8,194,593	0	0	-	-
	GREEN RIVER UNITS 1 AND 2	105-R2.5	1,756,471.53	1,932,119	0	0	-	-
	PINEVILLE UNIT 3	105-R2.5	182,442.49	200,687	0	0	-	-
	<b>TOTAL ACCOUNT 311.2 - STRUCTURES AND IMPROVEMENTS - RETIRED PLANT</b>		<b>12,778,704.45</b>	<b>14,058,575</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>-</b>
312.00	BOILER PLANT EQUIPMENT							
	TRIMBLE COUNTY UNIT 2	70-R1.5	554,266,452.52	110,556,316	515,764,775	12,038,282	2.17	42.8
	TRIMBLE COUNTY UNIT 2 SCRUBBER	70-R1.5	72,953,390.63	21,555,951	60,881,380	1,429,927	1.96	42.6
	BROWN UNIT 1	70-R1.5	38,556,575.43	36,433,716	1,436,254	1,238,146	3.21	1.2
	BROWN UNIT 2	70-R1.5	42,204,805.56	43,220,373	1,507,721	1,209,759	3.08	1.2
	BROWN UNIT 3	70-R1.5	442,651,264.76	80,166,580	389,043,755	22,988,128	5.19	16.0
	BROWN UNIT 1, 2 AND 3 SCRUBBER	70-R1.5	335,178,567.22	75,103,808	268,201,573	16,498,201	4.92	17.0
	GHENT UNIT 1 SCRUBBER	70-R1.5	139,576,135.98	57,639,685	93,102,541	5,810,074	4.16	10.0
	GHENT UNIT 1	70-R1.5	355,931,120.22	110,114,714	274,290,898	17,179,573	4.83	16.0
	GHENT UNIT 2	70-R1.5	277,188,781.51	74,139,461	225,224,423	14,124,142	5.10	15.9
	GHENT UNIT 3	70-R1.5	433,488,085.02	181,912,784	286,254,368	15,353,337	3.54	18.6
	GHENT UNIT 4	70-R1.5	751,196,369.80	168,106,678	643,185,403	32,693,892	4.35	19.7
	GHENT UNIT 2 SCRUBBER	70-R1.5	70,125,568.12	62,367,365	13,368,249	936,182	1.19	16.0
	GHENT UNIT 3 SCRUBBER	70-R1.5	119,327,931.24	39,524,131	89,350,035	4,765,380	3.99	18.7
	GHENT UNIT 4 SCRUBBER	70-R1.5	254,161,647.89	95,407,708	179,086,872	9,082,789	3.57	19.8
	<b>TOTAL ACCOUNT 312 - BOILER PLANT EQUIPMENT</b>		<b>3,886,806,895.50</b>	<b>1,159,258,254</b>	<b>3,052,682,145</b>	<b>155,318,414</b>	<b>4.00</b>	<b>10.7</b>
312.10	BOILER PLANT EQUIPMENT - ASH PONDS							
	TRIMBLE COUNTY UNIT 2 ASH POND	100-S4	9,104,044.87	5,018,153	4,085,892	680,982	7.48	6.0
	BROWN UNIT 1 ASH POND	100-S4	9,299,115.00	9,298,845	270	90	0.00	3.0
	BROWN UNIT 2 ASH POND	100-S4	3,909,051.57	2,991,413	917,649	305,853	7.82	3.0
	BROWN UNIT 3 ASH POND	100-S4	19,802,090.26	5,142,558	14,059,522	4,886,507	24.68	3.0
	GHENT UNIT 1 SCRUBBER ASH POND	100-S4	39,480.55	39,209	272	91	0.23	3.0
	GHENT UNIT 1 ASH POND	100-S4	2,100,620.94	2,073,761	26,880	5,372	0.26	5.0
	GHENT UNIT 4 ASH POND	100-S4	32,652,863.87	14,310,927	18,382,637	4,595,659	14.06	4.0
	GHENT UNIT 2 SCRUBBER ASH POND	100-S4	1,901,133.18	1,901,133	0	0	-	-
	TYRONE UNIT 3 - ASH POND	100-S4	575,455.72	575,456	0	0	-	-
	GREEN RIVER UNIT 3 - ASH POND	100-S4	1,831,840.98	1,831,841	0	0	-	-
	PINEVILLE UNIT 3 - ASH POND	100-S4	91,265.99	91,269	0	0	-	-
	<b>TOTAL ACCOUNT 312.1 - BOILER PLANT EQUIPMENT - ASH PONDS</b>		<b>81,346,762.93</b>	<b>43,273,662</b>	<b>38,073,102</b>	<b>10,474,584</b>	<b>12.88</b>	<b>3.6</b>

KENTUCKY UTILITIES COMPANY

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES AS OF DECEMBER 31, 2017

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST (4)	BOOK DEPRECIATION RESERVE (5)	FUTURE ACCRUALS (6)	CALCULATED ANNUAL ACCRUAL AMOUNT (7)	CALCULATED ANNUAL ACCRUAL RATE (8)=(7)/(4)	COMPOSITE REMAINING LIFE (9)=(6)/(7)		
314.00	TURBOGENERATOR UNITS									
	TRIMBLE COUNTY UNIT 2	60-R2	*	(13)	89,986,324.04	21,764,667	70,010,870	1,925,583	2.14	41.5
	BROWN UNIT 1	60-R2	*	(6)	11,380,919.20	11,727,980	336,814	287,021	2.52	1.2
	BROWN UNIT 2	60-R2	*	(6)	13,703,060.56	14,265,275	259,969	222,196	1.62	1.2
	BROWN UNIT 3	60-R2	*	(6)	45,797,249.49	8,377,637	40,167,447	2,422,690	5.29	16.6
	GHEINT UNIT 1	60-R2	*	(8)	40,327,741.42	22,388,069	21,165,892	1,340,312	3.34	15.7
	GHEINT UNIT 2	60-R2	*	(8)	33,056,975.75	22,423,578	13,277,956	866,909	2.62	15.3
	GHEINT UNIT 3	60-R2	*	(8)	43,859,372.17	30,697,120	16,671,002	931,474	2.12	17.9
	GHEINT UNIT 4	60-R2	*	(8)	59,231,536.72	34,540,570	29,429,490	1,561,503	2.64	18.8
	<b>TOTAL ACCOUNT 314 - TURBOGENERATOR UNITS</b>				<b>337,343,179.35</b>	<b>166,184,876</b>	<b>201,227,449</b>	<b>9,563,678</b>	<b>2.83</b>	<b>21.0</b>
315.00	ACCESSORY ELECTRIC EQUIPMENT									
	TRIMBLE COUNTY UNIT 2	70-R4	*	(13)	45,619,554.81	9,925,088	41,624,109	907,424	1.99	45.0
	TRIMBLE COUNTY UNIT 2 SCRUBBER	70-R4	*	(13)	1,415,469.10	793,078	805,502	20,108	1.42	39.0
	BROWN UNIT 1	70-R4	*	(6)	4,321,324.05	4,517,823	62,780	53,659	1.24	1.2
	BROWN UNIT 2	70-R4	*	(6)	2,416,429.81	2,504,751	56,065	49,431	2.00	1.2
	BROWN UNIT 3	70-R4	*	(6)	15,435,528.73	6,347,309	10,014,291	577,293	3.74	17.3
	BROWN UNIT 1, 2 AND 3 SCRUBBER	70-R4	*	(6)	20,324,457.10	6,736,824	24,347,101	1,392,554	4.75	17.5
	GHEINT UNIT 1 SCRUBBER	70-R4	*	(8)	12,223,370.51	5,796,892	7,434,568	451,449	3.69	16.5
	GHEINT UNIT 1	70-R4	*	(8)	12,396,881.42	8,571,504	4,752,328	292,365	2.37	16.3
	GHEINT UNIT 2	70-R4	*	(8)	14,213,740.74	11,578,703	3,772,077	236,021	1.66	16.0
	GHEINT UNIT 3	70-R4	*	(8)	33,564,200.82	25,293,521	10,955,828	562,296	1.73	18.8
	GHEINT UNIT 4	70-R4	*	(8)	52,184,797.21	18,810,313	37,543,268	1,855,228	3.56	20.2
	GHEINT UNIT 2 SCRUBBER	70-R4	*	(8)	951,108.87	269,700	760,588	40,150	4.85	16.5
	GHEINT UNIT 3 SCRUBBER	70-R4	*	(8)	12,041,998.28	4,133,095	8,572,263	440,911	3.66	19.4
	GHEINT UNIT 4 SCRUBBER	70-R4	*	(8)	15,148,041.55	3,480,348	12,879,537	629,191	4.15	20.5
	<b>TOTAL ACCOUNT 315 - ACCESSORY ELECTRIC EQUIPMENT</b>				<b>251,197,911.00</b>	<b>109,033,668</b>	<b>163,580,901</b>	<b>7,533,370</b>	<b>3.00</b>	<b>21.7</b>
316.00	MISCELLANEOUS PLANT EQUIPMENT									
	TRIMBLE COUNTY UNIT 2	75-R1.5	*	(13)	7,002,702.79	1,014,150	6,898,904	158,008	2.26	43.7
	SYSTEM LABORATORY	75-R1.5	*	0	3,688,912.98	933,650	2,755,263	127,717	3.40	21.6
	BROWN UNIT 1	75-R1.5	*	(6)	389,684.21	406,195	6,890	5,931	1.52	1.2
	BROWN UNIT 2	75-R1.5	*	(6)	123,107.10	130,414	90	90	0.08	1.2
	BROWN UNIT 3	75-R1.5	*	(6)	6,483,855.33	3,197,454	3,675,433	217,739	3.36	16.9
	GHEINT UNIT 1 SCRUBBER	75-R1.5	*	(8)	962,012.25	900,830	138,143	8,684	0.90	15.9
	GHEINT UNIT 1	75-R1.5	*	(8)	1,845,970.85	1,094,463	309,186	19,534	1.06	15.9
	GHEINT UNIT 2	75-R1.5	*	(8)	1,553,509.99	1,460,824	216,967	13,868	0.89	15.0
	GHEINT UNIT 3	75-R1.5	*	(8)	4,027,500.01	2,729,825	1,619,875	87,351	2.17	18.5
	GHEINT UNIT 4	75-R1.5	*	(8)	9,999,060.73	3,857,934	6,941,052	353,380	3.53	19.6
	<b>TOTAL ACCOUNT 316 - MISCELLANEOUS PLANT EQUIPMENT</b>				<b>36,076,316.24</b>	<b>16,315,729</b>	<b>22,561,783</b>	<b>962,281</b>	<b>2.75</b>	<b>22.7</b>
	<b>TOTAL STEAM PRODUCTION PLANT</b>				<b>4,946,630,275.19</b>	<b>1,678,583,978</b>	<b>3,679,413,641</b>	<b>192,147,389</b>		

\* LIFE SPAN PROCEDURE IS USED. CURVE SHOWN IS INTERIM SURVIVOR CURVE

**Heichelbech, Nicholas**

---

**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Wednesday, October 10, 2018 5:56 PM  
**To:** Wiseman, Sara  
**Cc:** Riggs, Eric  
**Subject:** RE: Urgent! KPSC Q 1-53 response

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Sara:

I am fine with you submitting these spreadsheets. There was a spreadsheet in the net salvage section if you think that should be submitted as well.

I will get the verification page signed and returned when I return

John

-----Original Message-----

**From:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>  
**Sent:** Wednesday, October 10, 2018 11:48 AM  
**To:** Spanos, John J. <jspanos@GFNET.com>  
**Cc:** Riggs, Eric <Eric.Riggs@lge-ku.com>  
**Subject:** Urgent! KPSC Q 1-53 response

John,

We received the following question as part of the standard PSC round 1 data requests:

Q-53. Provide a copy of all exhibits and schedules that were prepared in the utility's rate application in Excel spreadsheet format with all formulas intact and unprotected and with all columns and row accessible.

A-53. Attached to this response is a listing of all Excel spreadsheets submitted in response to this question and the requested spreadsheets. The label by which each file is to be identified on the Commission website, under the "File Number" heading, is listed in the second column of the attached list. The third column of the attached list specifies the actual name of the spreadsheet being submitted. The fourth column identifies the specific exhibit or schedule being submitted.

---

We are planning to submit the attached schedules with you as the witness. Of course, there are many other witnesses and attachments on this question as it encompasses the whole filing. Unfortunately, Eric and I were not asked to do this until today and the filing must be made on Friday. Rates will be sending the affidavit for you to sign. I know you are out of the office. Allyson says it can be filed next week.

Sorry for the short notice. We do need to know ASAP if you are not comfortable with this.

Sara

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**Heichelbech, Nicholas**

---

**From:** Rutter, Cheryl A. <crutter@GFNET.com>  
**Sent:** Tuesday, October 16, 2018 10:45 AM  
**To:** Wiseman, Sara  
**Cc:** Whitaker, Sherrie  
**Subject:** Invoice for Services Provided by Gannett Fleming re LG&E/KU Contract No. 131093 - Depreciation Study - Steam Assets - ACTION REQUESTED  
**Attachments:** 063789 - No. 3846 - October 16, 2018.pdf  
**Importance:** High

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Good morning, Sara.....

Attached is our invoice related to consulting services for LG&E/KU re Contract No. 131093 - Depreciation Study - Steam Assets during the period September 1 thru September 28, 2018. Please note that the charges have been allocated to the two entities.

Would you please take the necessary action to have the invoice approved and sent to your Accounts Payable folks for processing of payment.

No paper copy will be sent.

If you have any questions related to the invoice, please contact either John Spanos at [jspanos@gfnet.com](mailto:jspanos@gfnet.com) or me at [crutter@gfnet.com](mailto:crutter@gfnet.com).

Thank you, and have a pleasant day.

Cheryl

**Cheryl Ann Rutter, CPS** | Administrator  
**Gannett Fleming Valuation and Rate Consultants, LLC**  
**Mailing Address:** P.O. Box 67100, Harrisburg, PA 17106-7100  
**Physical Address:** 207 Senate Avenue, Camp Hill, PA 17011  
t 717.763.7211 x2283 f 717.763.4590 | [crutter@gfnet.com](mailto:crutter@gfnet.com)  
**Excellence Delivered As Promised**  
**Gannett Fleming is ISO 9001:2008 Certified.**  
[www.gannettfleming.com](http://www.gannettfleming.com) | Stay connected: [Twitter](#) | [Facebook](#) | [LinkedIn](#) | [YouTube](#)

PRINTING SUSTAINABILITY STATEMENT: Gannett Fleming is committed to conserving natural resources and minimizing adverse environmental impacts in projects. Accordingly, project documentation will be provided in electronic format only unless clients specifically request hard copies. Visit our [website](#) to read more about our sustainability commitment.

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**INVOICE**

**Gannett Fleming Valuation and Rate Consultants, LLC**

LG&E and KU Services Company  
Attn: Sara Wiseman  
P.O. Box 32010  
Louisville, KY 40232-7100

**ACH/EFT Payment Information:**  
ABA: 031312738  
Account No.: 5003165655  
Account Name: Gannett Fleming

**Check Payment Information:**  
Gannett Fleming Valuation and Rate Consultants, LLC  
PO Box 829160  
Philadelphia, PA 19182-9160

**Project:** 063789  
**Invoice No:** 063789\*3846  
**Invoice Date:** October 16, 2018

**Federal EIN:** 46-4413705  
**Send Remit Info:** AccountsReceivable@gfnet.com

**Invoice Period: September 1, 2018 through September 28, 2018**

**Project Manager:** John J. Spanos      jspanos@gfnet.com      717 763-7211

Contract No. 131093 - Depreciation Study - Steam Assets

Summary of Current Charges

Phase 100	- KU - DEPR-STEAM ASSETS	\$ 384.50
Phase 200	- LG&E - DEPR-STEAM ASSETS	110.00
	Total Charges	<u>\$ 494.50</u>
	<b>Total Due This Invoice .....</b>	<b>\$494.50</b>



Project: 063789  
Invoice No: 063789\*3846  
Invoice Date: October 16, 2018

**Gannett Fleming Valuation and Rate Consultants, LLC**

---

Phase 100 -- KU - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
John J. Spanos	1.00	\$ 260.00	\$ 260.00
Support Staff	1.00	110.00	110.00
<b>Total Labor Costs</b>			<b>\$ 370.00</b>
<b>Expenses</b>			
Postage, Freight & Courier Service			14.50
<b>Total Expenses</b>			<b>\$ 14.50</b>
<b>Total Phase -- 100</b>			<b>\$ 384.50</b>

---

Phase 200 -- LG&E - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Support Staff	1.00	110.00	110.00
<b>Total Labor Costs</b>			<b>\$ 110.00</b>
<b>Total Phase -- 200</b>			<b>\$ 110.00</b>

Invoice Number	Invoice Date	Account Number
6-301-00943	Sep 10, 2018	

**FedEx Express Shipment Detail By Reference (Original)**

<b>Ship Date:</b> Sep 04, 2018	<b>Cust. Ref.:</b> 003-331050-063789	<b>Ref.#:</b>
<b>Payor:</b> Shipper	<b>Ref.#:</b>	

• Fuel Surcharge - FedEx has applied a fuel surcharge of 7.25% to this shipment.  
 • Distance Based Pricing, Zone 4

Automation	INET	Sender	Recipient
Tracking ID	773129472408	Megan Eckrich	Derek A. Raht
Service Type	FedEx Standard Overnight	207 Senate Avenue	156E and KU
Package Type	FedEx Envelope	CAMP HILL PA 17011 US	220 West Main Street
Zone	04		LOUISVILLE KY 40202 US
Packages	1		
Rated Weight	N/A		
Delivered	Sep 05, 2018 14:43	Transportation Charge	33.80
Svc Area	A1	Discount	-20.28
Signed by	S.SALLEE	Fuel Surcharge	0.98
FedEx Use	000000000222/	<b>Total Charge</b>	<b>USD 14.50</b>

**003-331050-063789 Reference Subtotal USD \$14.50**



**INVOICE**

**Gannett Fleming Valuation and Rate Consultants, LLC**

LG&E and KU Services Company  
Attn: Sara Wiseman  
P.O. Box 32010  
Louisville, KY 40232-7100

**ACH/EFT Payment Information:**  
ABA: 031312738  
Account No.: 5003165655  
Account Name: Gannett Fleming

**Check Payment Information:**  
Gannett Fleming Valuation and Rate Consultants, LLC  
PO Box 829160  
Philadelphia, PA 19182-9160

**Project:** 063789  
**Invoice No:** 063789\*3846  
**Invoice Date:** October 16, 2018

**Federal EIN:** 46-4413705  
**Send Remit Info:** AccountsReceivable@gfnet.com

**Invoice Period: September 1, 2018 through September 28, 2018**

**Project Manager:** John J. Spanos      jspanos@gfnet.com      717 763-7211

Contract No. 131093 - Depreciation Study - Steam Assets

Summary of Current Charges

Phase 100	- KU - DEPR-STEAM ASSETS	\$	384.50
Phase 200	- LG&E - DEPR-STEAM ASSETS		110.00
	Total Charges		\$ 494.50
	<b>Total Due This Invoice .....</b>		<b>\$494.50</b>



Project: 063789  
Invoice No: 063789\*3846  
Invoice Date: October 16, 2018

**Gannett Fleming Valuation and Rate Consultants, LLC**

Phase 100 -- KU - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
John J. Spanos	1.00	\$ 260.00	\$ 260.00
Support Staff	1.00	110.00	110.00
<b>Total Labor Costs</b>			<b>\$ 370.00</b>
<b>Expenses</b>			
Postage, Freight & Courier Service			14.50
<b>Total Expenses</b>			<b>\$ 14.50</b>
<b>Total Phase -- 100</b>			<b>\$ 384.50</b>

Phase 200 -- LG&E - Depr-Steam Assets

<b>Labor Costs</b>			
<u>Labor Classification</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Support Staff	1.00	110.00	110.00
<b>Total Labor Costs</b>			<b>\$ 110.00</b>
<b>Total Phase -- 200</b>			<b>\$ 110.00</b>

Invoice Number	Invoice Date	Account Number
6-301-00943	Sep 10, 2018	

**FedEx Express Shipment Detail By Reference (Original)**

<b>Ship Date:</b> Sep 04, 2018	<b>Cust. Ref.:</b> 003-331050-063789	<b>Ref.#2:</b>	
<b>Payor:</b> Shipper	<b>Ref.#3:</b>		
<ul style="list-style-type: none"> <li>• Fuel Surcharge - FedEx has applied a fuel surcharge of 7.25% to this shipment.</li> <li>• Distance Based Pricing, Zone 4</li> </ul>			
<b>Automation</b>	INET	<b>Sender</b>	<b>Recipient</b>
<b>Tracking ID</b>	773129472408	Megan Eckrich	Derek A. Rahn
<b>Service Type</b>	FedEx Standard Overnight	207 Senate Avenue	LG&E and KU
<b>Package Type</b>	FedEx Envelope	CAMP HILL, PA 17011 US	220 West Main Street
<b>Zone</b>	04		LOUISVILLE KY 40202 US
<b>Packages</b>	1		
<b>Rated Weight</b>	N/A		
<b>Delivered</b>	Sep 05, 2018 14:43	<b>Transportation Charge</b>	33.80
<b>Svc Area</b>	A1	<b>Discount</b>	-20.28
<b>Signed by</b>	S.SALLIE	<b>Fuel Surcharge</b>	0.98
<b>FedEx Use</b>	00000000/222/	<b>Total Charge</b>	USD 14.50
<b>003-331050-063789 Reference Subtotal</b>			<b>USD \$14.50</b>

**Heichelbech, Nicholas**

---

**From:** Spanos, John J. <jspanos@GFNET.com>  
**Sent:** Thursday, October 18, 2018 7:18 AM  
**To:** Wiseman, Sara  
**Cc:** Riggs, Eric  
**Subject:** RE: Data Request schedule for LGE and KU

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Thanks for the heads up. Pretty tight schedule especially around the holiday.

**From:** Wiseman, Sara  
**Sent:** Wednesday, October 17, 2018 4:24 PM  
**To:** Spanos, John J.  
**Cc:** Riggs, Eric  
**Subject:** Data Request schedule for LGE and KU

John,

Attached is a detailed schedule of deadlines for our upcoming data requests.

I will, of course, be your main contact and will provide data requests, etc as they become available.

Sara

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**2018 Generation Services Engineering Depreciation Study**  
**(Steam Units Only)**

Station	Unit	2018 Retirement Dates
MC	1	2032
MC	2	2034
MC	3	2038
MC	2	2042
TC	1	2050
TC	2	2066
BR	1	2019
BR	2	2019
BR	3	2035
GH	1	2034
GH	2	2034
GH	3	2037
GH	4	2038

Louisville Gas & Electric Company / Kentucky Utilities Company  
Ash Pond Listing  
as of April 2018

<u>LG&amp;E</u>		<u>Retirement</u>	<u>Year</u>							
<u>GF - Account</u>	<u>Gannet Fleming - Name</u>	<u>Date</u>	<u>Added</u>	<u>Qty</u>	<u>Cost</u>	<u>Co.</u>	<u>Plt Acct</u>	<u>Asset id</u>	<u>Depr_group</u>	
312.10	MILL CREEK UNIT 1 ASH POND	31-Dec-21	30-Jun-65	1	411,750.29	100	131200	257503852	LGE-131200-MC UNIT 1 BOIL-ASH POND	
312.10	MILL CREEK UNIT 3 ASH POND	2018-2019	30-Jun-82	1	947,826.39	100	131200	257503778	LGE-131200-MC UNIT 3 BOIL-ASH POND	
312.10	TRIMBLE COUNTY UNIT 1 ASH POND	31-Dec-23	30-Jun-90	1	4,867,827.96	100	131200	257503815	LGE-131200-TC UNIT 1 BOIL-ASH POND	
312.10	TRIMBLE COUNTY UNIT 2 ASH POND	12/31/2021	31-Dec-11	1	5,057,242.50	100	131200	257503889	LGE-131200-TC2 BOIL ECR 2009-ASH PO	
<u>KU</u>										
312.10	BROWN UNIT 1 ASH POND (See note)	31-Dec-20	30-Nov-95	1	13,208,176.67	110	131200	257354975	KU-131200-EWB 1 BOIL - ASH POND	
312.10	BROWN UNIT 3 ASH POND	31-Dec-20	1-Jul-08	1	19,802,080.26	110	131200	257355016	KU-131200-EWB 3 BOIL ASH POND	
312.10	GHENT UNIT 1 ASH POND	31-Dec-22	31-Aug-75	1	1,777,792.39	110	131200	258526973	KU-131200-GH 1 BOIL - ASH POND	
312.10	GHENT UNIT 1 ASH POND	31-Dec-22	31-Dec-87	1	322,828.55	110	131200	258527014	KU-131200-GH 1 BOIL - ASH POND	
312.10	GHENT UNIT 1 SCRUBBER ASH POND	31-Dec-20	31-Oct-94	1	39,480.55	110	131200	257355099	KU-131200-GH 1 SC BOIL - ASH POND	
312.10	GHENT UNIT 2 SCRUBBER ASH POND	31-Dec-20	31-Dec-94	1	1,901,133.18	110	131200	257355140	KU-131200-GH 2 SC BOIL - ASH POND	
312.10	GHENT UNIT 4 ASH POND	31-Dec-21	31-Oct-94	1	16,544,368.66	110	131200	257355181	KU-131200-GH 4 BOIL - ASH POND	
312.10	GHENT UNIT 4 ASHPOND	31-Dec-21	31-Dec-03	1	16,148,295.19	110	131200	257355222	KU-131200-GH 4 BOIL - ASH POND	
312.10	GREEN RIVER UNIT 3 - ASH POND	31-Dec-19	31-Dec-78	1	1,831,840.98	110	131200	257354790	KU-131200-GR3 BOIL - ASH POND	
312.10	PINEVILLE UNIT 3 - ASH POND	31-Dec-19	30-Nov-77	1	91,265.89	110	131200	257354831	KU-131200-PI 3 BOIL - ASH POND	
312.10	TRIMBLE COUNTY UNIT 2 ASH POND	31-Dec-23	30-Jun-90	1	4,493,379.64	110	131200	257354872	KU-131200-TC 2 BOIL - ASH POND	
312.10	TRIMBLE COUNTY UNIT 2 ASH POND	31-Dec-21	31-Dec-11	1	4,610,665.23	110	131200	258527055	KU-131200-TC2 Boil ECR 2009-ASH PO	
312.10	TYRONE UNIT 3 - ASH POND	31-Dec-19	30-Nov-77	1	575,455.72	110	131200	257354934	KU-131200-TY 3 BOIL - ASH POND	

Note

Shown as two lines on Gannet Fleming Report - Brown 1 and Brown 2 ash ponds

Highlighted names are shown as one line on Gannet Fleming report

(Figures differ from Decemebr 2015 report as a result of partial retirements.)

*Reflects A  
Commitment of  
(55,079.68)*

**Louisville Gas & Electric Company  
Retired Plant Transfers - May 2018  
figures as of April 30, 2018**

*Reflects Decrease  
To Reserve of  
636,999.68  
Part of (55,079.68)  
Core of (581,699.96)*

GF Acct	GF Name	Depreciation Group Account	Original Cost	Reserve	Transferred to GF account:	GF Name
312.20	CANE RUN UNIT 1	LGE-131200-Cane Run Unit 1 Boiler P	124.53	87,688.84	311.20	CANE RUN UNIT 1
312.20	CANE RUN UNIT 2	LGE-131200-Cane Run Unit 2 Boiler P	124.53	15,455.42	311.20	CANE RUN UNIT 2
312.20	CANE RUN UNIT 3	LGE-131200-Cane Run Unit 3 Boiler P	124.53	72,310.98	311.20	CANE RUN UNIT 3
312.20	CANE RUN UNIT 4	LGE-131200-CR Unit 4 Boil	119,351.75	2,140,821.74	311.20	CANE RUN UNIT 4
312.20	CANE RUN UNIT 4 SCRUBBER	LGE-131200-Cane Run Unit 4 SO2-Boil	124.53	1,281,485.51	311.20	CANE RUN UNIT 4 SCRUBBER
312.20	CANE RUN UNIT 5	LGE-131200-CR Unit 5 Boil	155,851.67	1,925,863.07	311.20	CANE RUN UNIT 5
312.20	CANE RUN UNIT 5 SCRUBBER	LGE-131200-Cane Run Unit 5 SO2 Boil	9,932.90	2,247,689.36	311.20	CANE RUN UNIT 5 SCRUBBER
312.20	CANE RUN UNIT 6	LGE-131200-CR Unit 6 Boil	<u>5,518,707.09</u>	<u>(21,311,651.40)</u>	311.20	CANE RUN UNIT 6
312.20	CANE RUN UNIT 6 SCRUBBER	LGE-131200-CR6 SO2 Boil	85,553.36	1,933,912.42	311.20	CANE RUN UNIT 6 SCRUBBER
			5,889,894.89	(11,606,424.06)		
314.10	CANE RUN UNIT 1	LGE-131400-Cane Run Unit 1 Turbogén	124.53	7,068.32	311.20	CANE RUN UNIT 1
314.10	CANE RUN UNIT 2	LGE-131400-Cane Run Unit 2 Turbogén	124.53	547.34	311.20	CANE RUN UNIT 2
314.10	CANE RUN UNIT 3	LGE-131400-Cane Run Unit 3 Turbogén	124.53	32,811.97	311.20	CANE RUN UNIT 3
314.10	CANE RUN UNIT 4	LGE-131400-Cane Run Unit 4 Turbogén	1,099,327.60	361,959.04	311.20	CANE RUN UNIT 4
314.10	CANE RUN UNIT 5	LGE-131400-Cane Run Unit 5 Turbogén	80,617.90	625,491.77	311.20	CANE RUN UNIT 5
314.10	CANE RUN UNIT 6	LGE-131400-Cane Run Unit 6 Turbogén	124.53	(950,801.37)	311.20	CANE RUN UNIT 6
			1,180,443.62	77,077.07		
315.10	CANE RUN UNIT 1	LGE-131500-Cane Run Unit 1 Accessor	124.53	452,526.56	311.20	CANE RUN UNIT 1
315.10	CANE RUN UNIT 2	LGE-131500-Cane Run Unit 2 Accessor	124.53	13,527.17	311.20	CANE RUN UNIT 2
315.10	CANE RUN UNIT 3	LGE-131500-Cane Run Unit 3 Accessory	124.62	56,033.13	311.20	CANE RUN UNIT 3
315.10	CANE RUN UNIT 4	LGE-131500-Cane Run Unit 4 Accessor	124.53	618,589.01	311.20	CANE RUN UNIT 4
315.10	CANE RUN UNIT 4 SCRUBBER	LGE-131500-Cane Run Unit 4 SO2 Acee	124.53	112,734.56	311.20	CANE RUN UNIT 4 SCRUBBER
315.10	CANE RUN UNIT 5	LGE-131500-Cane Run Unit 5 Accessor	124.53	(1,576,281.36)	311.20	CANE RUN UNIT 5
315.10	CANE RUN UNIT 5 SCRUBBER	LGE-131500-Cane Run Unit 5 SO2 Acee	124.53	188,196.75	311.20	CANE RUN UNIT 5 SCRUBBER
315.10	CANE RUN UNIT 6	LGE-131500-Cane Run Unit 6 Accessor	124.53	(1,203,143.51)	311.20	CANE RUN UNIT 6
315.10	CANE RUN UNIT 6 SCRUBBER	LGE-131500-Cane Run Unit 6 SO2 Acee	124.53	163,224.86	311.20	CANE RUN UNIT 6 SCRUBBER
			1,120.86	(1,174,592.83)		
316.10	CANE RUN UNIT 1	LGE-131600-Cane Run Unit 1 Misc. Po	10.83	496.26	311.20	CANE RUN UNIT 1
316.10	CANE RUN UNIT 3	LGE-131600-Cane Run Unit 3 Misc. Po	44.28	747.66	311.20	CANE RUN UNIT 3
316.10	CANE RUN UNIT 4	LGE-131600-Cane Run Unit 4 Misc. Po	249.08	(25,230.06)	311.20	CANE RUN UNIT 4
316.10	CANE RUN UNIT 4 SCRUBBER	LGE-131600-Cane Run Unit 4 SO2 Misc	124.53	595.93	311.20	CANE RUN UNIT 4 SCRUBBER
316.10	CANE RUN UNIT 5	LGE-131600-Cane Run Unit 5 Misc. Po	133,003.43	89,016.41	311.20	CANE RUN UNIT 5
316.10	CANE RUN UNIT 5 SCRUBBER	LGE-131600-Cane Run Unit 5 SO2 Misc	11.31	4,325.07	311.20	CANE RUN UNIT 5 SCRUBBER
316.10	CANE RUN UNIT 6	LGE-131600-Cane Run Unit 6 Misc. Po	474,554.25	59,784.06	311.20	CANE RUN UNIT 6
316.10	CANE RUN UNIT 6 SCRUBBER	LGE-131600-Cane Run Unit 6 SO2 Misc	124.53	2,445.01	311.20	CANE RUN UNIT 6 SCRUBBER
			608,122.24	132,180.34		

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**Kentucky Utilities Company**  
**Retire Plant Transfers - May 2018**  
 figures as of April 30, 2018

GF Acct	GF Name	Depreciation Group Account	Original Cost	Reserve	Transferred to GF account:	GF Name
312.20	TYRONE UNIT 3	KU-131200-TY 3 Boil	91,162.48	131,120.12	311.20	TYRONE UNIT 3
312.20	TYRONE UNITS 1 AND 2	KU-131200-TY 1&2 Boiler Plant Equi	35,937.44	98,209.89	311.20	TYRONE UNITS 1 AND 2
312.20	GREEN RIVER UNIT 3	KU-131200-GR 3 Boil	41,300.90	9,046.04	311.20	GREEN RIVER UNIT 3
312.20	GREEN RIVER UNIT 4	KU-131200-GR 4 Boil	277,179.53	1,064,834.61	311.20	GREEN RIVER UNIT 4
312.20	GREEN RIVER UNITS 1 AND 2	KU-131200-GR 1-2 Boiler Plant Equi	152,243.76	448,119.95	311.20	GREEN RIVER UNITS 1 AND 2
312.20	PINEVILLE UNIT 3	KU-131200-PI 3 Boiler Plant Equipm	145,202.53	144,966.10	311.20	PINEVILLE UNIT 3
			<u>743,026.64</u>	<u>1,896,296.71</u>		
314.10	GREEN RIVER UNIT 3	KU-131400-GR 3 Turbogenerator Unit	107,003.10	469,905.61	311.20	GREEN RIVER UNIT 3
314.10	GREEN RIVER UNIT 4	KU-131400-GR 4 Turbogenerator Unit	57,483.16	86,213.03	311.20	GREEN RIVER UNIT 4
314.10	TYRONE UNIT 3	KU-131400-TY 3 Turbogenerator Unit	-	416,110.02	311.20	TYRONE UNIT 3
314.10	TYRONE UNITS 1 AND 2	KU-131400-TY 1&2 Turbogenerator Un	-	332,381.19	311.20	TYRONE UNITS 1 AND 2
			<u>164,486.26</u>	<u>1,304,609.85</u>		
315.10	TYRONE UNIT 3	KU-131500-TY 3 Accessory Electric	24,267.36	113,157.60	311.20	TYRONE UNIT 3
315.10	GREEN RIVER UNIT 3	KU-131500-GR 3 Accessory Electric	165,716.59	262,824.28	311.20	GREEN RIVER UNIT 3
315.10	GREEN RIVER UNIT 4	KU-131500-GR 4 Accessory Electric	480,433.11	448,719.49	311.20	GREEN RIVER UNIT 4
315.10	TYRONE UNITS 1 AND 2	KU-131500-TY 1&2 Accessory Electri	-	16,664.67	311.20	TYRONE UNITS 1 AND 2
			<u>670,417.06</u>	<u>841,366.04</u>		
316.10	TYRONE UNIT 3	KU-131600-TY 3 Misc Power Plant Eq	74,491.69	48,230.42	311.20	TYRONE UNIT 3
316.10	TYRONE UNITS 1 AND 2	KU-131600-TY 1&2 Misc Power Plant	11,541.15	7,239.71	311.20	TYRONE UNITS 1 AND 2
316.10	GREEN RIVER UNIT 3	KU-131600-GR 3 Misc Power Plant Eq	22,250.26	10,687.66	311.20	GREEN RIVER UNIT 3
316.10	GREEN RIVER UNIT 4	KU-131600-GR 4 Misc Power Plant Eq	371,296.87	161,263.91	311.20	GREEN RIVER UNIT 4
316.10	GREEN RIVER UNITS 1 AND 2	KU-131600-GR 1&2 Misc Power Plant	45,689.51	57,147.33	311.20	GREEN RIVER UNITS 1 AND 2
			<u>525,269.48</u>	<u>284,569.03</u>		

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May 18, 2018

John,

The final Paddys Run demolition costs in Removal Work In Progress (RWIP) is \$13,165,522.79. These charges will be credited from RWIP and debited to Mill Creek Steam Units Accumulated Reserve in May 2018. This will reduce the accumulated reserve for the accounts chosen. Using Power Plan Fixed Asset Software, a small dollar retirement will be made from Mill Creek assets to accomplish this process.

Would you please recommend the units, plant accounts, and amounts between units that will best accommodate this situation?

**EMAIL – July 17, 2017**

Eric:

I agree with all of your recommendations for implementation. I would suggest you spread all the Paddy's run reserve to all four Mill Creek units. We can discuss how much goes to each unit if you want.

John

**From:** Riggs, Eric [mailto:Eric.Riggs@lge-ku.com]  
**Sent:** Thursday, July 13, 2017 11:13 AM  
**To:** Spanos, John J. <jspanos@GFNET.com>  
**Cc:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>  
**Subject:** LG&E and KU Depreciation Rate Implementation

John,

Sara and I wanted to touch base with you regarding the implementation of the depreciation rates approved for use by the companies starting in July 2017. From your perspective is there anything that we should be taking into consideration as we implement these rates?

The key items that we have are:

In regards to Ash Ponds, we are setting up new depreciation groups and transferring the appropriate assets to use the approved rate of 0% per the stipulation agreement. The electric meters account is being divided into two plant accounts with one depreciation group for meters and another depreciation group for Current Transformers and Potential Transformers.

For LG&E – the previously retired Paddys Run Steam Generating Plant is nearly demolished. The cost of this is being tagged to LG&E's Mill Creek Plant as Paddys does not have any generating reserves since it was retired decades ago. Depending on how this is processed against one or more of the 4 units at Mill Creek, it could result in the cost of removal to flip from a negative balance to a positive balance.

**Kentucky Utilities and LGE Data Questions  
2016 and 2017**

**Kentucky Utilities**

1. Account 311

- a. Was any of the of the 2016 Cost of Removal (COR) associated with the retirements of \$61.7K related to the Tyrone Plant? If so, how much? If the "KU\_ Plant report\_December 2016" file is provided, we can make this determination.

**Response: Please see December 2016 Plant report provided.**

2. Account 316

- a. Was any of the of the 2016 Cost of Removal (COR) associated with the retirements of \$12K related to the Green River Plant? If so, how much? If the "KU\_ Plant report\_December 2016" file is provided, we can make this determination.

**Response: Please see December 2016 Plant Report provided.**

3. Why is plant still being added to the "Retired Plants"?

- a. \$1,1571.39 to Tyrone 3 in Account 311?
- b. \$42,182.68 to Green River 4 in Account 316?

**Response: Assets are being added to maintain the plant site, for security purposes, for preservation of the retired assets for future salvage/demolition, and to minimize asbestos and other environmental concerns.**

**The \$42,182.68 - Green River 4 Account 316 was for the purchase of Kubota tractors for plant maintenance.**

**The amount for item (a.) appears to be a typo as no corresponding amount could be found in the data files previously sent. There is an amount of \$1,571.39 that relates to Green River 4, Account 316 for lawn equipment. Please advise if a different amount was intended.**

**Kentucky Utilities and LGE Data Questions  
2016 and 2017**

**Louisville Gas and Electric**

1. Why is plant still being added to the "Retired Plants"?
  - a. \$2,864.30 to the Cane Run Units?

**Response: Assets are being added to maintain the plant site, for security purposes, for preservation of the retired assets for future salvage/demolition, and to minimize asbestos and other environmental concerns.**

**The \$2,864.30 was for assets relating to safety which were allocated to multiple plant accounts.**

2. Account 311
  - a. Was the 2017 (vintage 1965) retirement reversal of 34,661.34 related to Mill Creek Unit 1 duplicated? It appears twice in the activity and there are no earlier retirements for this vintage to be reversed.

**Response: Yes, the amount was duplicated. Please see 1972 for the other side of the duplication.**

3. Account 312
  - a. Was any of the \$2.5M of retirements related to Trimble County Unit 1 made in 2016 and 2017 associated with the installation of the new Pulse Jet Fabric Filter Baghouse going into service? If so, how much?
  - b. Are the \$58.2M of 2016 retirements at Mill Creek Unit 3 Scrubber associated with the replacement of the Scrubber?
    - i. If so, and it is not the entire amount, how much of the \$58.2M is related to the replacement of the Scrubber?
  - c. Was any of the 2016 COR and/or Gross Salvage associated with the 2016 retirements of the Rail Cars? If so, how much? If the "LGE\_Plant report\_December 2016" file is provided, we can make this determination.
  - d. Was any of the 2016 COR and/or Gross Salvage associated with the 2016 retirements related to the Cane Run Units? If so, how much? If the "LGE\_Plant report\_December 2016" file is provided, we can make this determination.

**Response:**

- a. **No. The \$2.5M of retirements is comprised of 20 different projects, which do not relate to the Pulse Jet Fabric Filter Baghouse installation. The largest of these 20 projects was for \$1.3M for a Bottom Ash Hopper replacement.**

**Kentucky Utilities and LGE Data Questions  
2016 and 2017**

**b. Yes, \$57.9M of the \$58.2M of 2016 retirements relate to the replacement of the Scrubber.**

**c. Please see December 2016 Plant Report provided.**

**d. Please see December 2016 Plant Report provided.**

**4. Account 314**

- a. Is the 2016 (vintage 2002) retirement reversal of 1,065,664.45 related to Mill Creek Unit 2 a duplication of the reversal of the same amount that took place in 2015? If not, what is to be reversed as there are no other retirements for this Plant in this vintage to be reversed?

**Response: The data provided in 2015 3<sup>rd</sup> Quarter contained an adjustment for this amount between the years 2002 and 1974. This should be the missing offset.**

**5. Account 315**

- a. Is the \$1.4M of 2016 Mill Creek 3 Scrubber retirements related to the replacement of the Scrubber? If so, how much of the 2016 COR is associated with these retirements? If the "LGE\_ Plant report\_December 2016" file is provided, we can make this determination.

**Response: Please see the 2016 Plant Report provided.**



Generation Services Engineering 2018 Steam Only Depreciation Study  
Evaluation

[CONFIDENTIAL]

5/25/18

**Methodology**

Many factors influence the end of life for a generating station. To complete this analysis the following assumptions were made regarding factors outside the direct technical evaluation:

- All necessary environmental permits and licenses will be maintained
- Future changes in environmental regulations are a consideration for unit retirement
- Units will continue to operate in a manner that is consistent with recent operating practices, with a similar number of annual starts and stops, and annual generation
- Units will continue to be operated in accordance with good industry practices with required renewals and replacements made in a timely manner

The steam generating units were reviewed at a high level and although many individual components could fail it was decided that those would not constitute an "end of life" event and could be mitigated. The boiler drum and turbine/generator were the two components/systems identified where catastrophic failure would be consideration for retirement.

Although the boiler is a complex system with many elements, the boiler drum is a large single component with approximately 240k hours of defined life and is significantly influenced by thermal cycling. Electric Power Research Institute (EPRI) studies indicate that after approximately 1,700 normal start/stop cycles the risk of a critical flaw developing is greatly increased.

The turbine/generator is a single system, whose failure could lead to significant downtime and repair/replacement costs. Several key factors are taken into consideration when evaluating the generator such as insulation type, winding age, recent inspection findings, and test results. Wear, cracking, and blade condition are key considerations for the turbine.

**Review**

The depreciation review process conducted by Generation Engineering consisted of evaluating key parameters (i.e. pressures, temperatures, voltages etc..) with equipment condition (i.e. inspection data, EPRI, IEEE, etc..) to provide a risk based assessment regarding the likelihood of equipment failure as compared to industry norms.

[CONFIDENTIAL]

*Boiler*

EPRI states:

- A critical flaw size crack appears on average at around 30 years of service (240,000 hours).
- The average number of cycles of a coal drum unit is expected to be 1,700 normal starts/stops to drive a critical flaw to failure.
- Natural Circulation boilers are more susceptible to ligament cracking than are Forced Circulation boilers.

The boiler review included previous inspection reports and a review of design vs typical operating temperatures and pressures.

*Generator*

Generators are regularly inspected and electrically tested. Those results were reviewed along with any other known issues. In most cases where the generator winding was beyond design life, no known issues have been observed and no concerns exist regarding condition.

*Turbine*

Turbines are inspected on a routine basis with periodic repairs/overhauls to bring the unit to as designed operation. To-date, no issues have been observed which did not allow a return to as designed operation.

**Summary**

Based on EPRI's research and the Generation Services Engineering review of units comparing their data, the boiler drum should not reduce the retirement year of each unit. While the EPRI "average end of drum life" for MC3 & MC4 are just short of the previous end of life depreciation study, the difference is not significant when considering these are typical and average numbers used from the analysis.

There are no known concerns regarding generator or turbine condition impacting unit end of life across the fleet.

No changes are recommended to existing unit retirement dates as identified in the 2015 study.

JORDI WILSON - DESIGN COSTS

5/13/18

ALREADY INCLUDED  
GROSS COSTS - 2015 COSTS AUGUST/2016 JANUARY - \$16M AFTER 2018 UNIT 1-4

PROFIT AND - \$23M - SCHEDULE ADJUSTS AUGUST RETIRED/DECEMBER 11M - 2017/2018

BELOW - 11.6M APPROX

PREVIOUS - 8.6M

CASE AND - \$39.4M UNIT 1-6

CASE - 10.5M 2020/2021

COMPUTER AND 5-15 - OTHER BY 2019

**Spanos, John J.**

---

**From:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>  
**Sent:** Thursday, May 31, 2018 10:05 AM  
**To:** Spanos, John J.  
**Subject:** Info

John,

I can't remember if I mentioned this to you or not....Heather Metts (my director) is moving to another department. Susan Neal is taking her place. They will both be in the meeting this afternoon. I guess the official transition takes place in mid June.

**Sara Wiseman**

Manager | Property Accounting | LG&E and KU  
220 West Main Street, Louisville, KY 40202  
**O:** 502-627-3189 | **M:** 502-338-0886  
lge-ku.com

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**Spanos, John J.**

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**From:** Spanos, John J.  
**Sent:** Tuesday, May 1, 2018 1:23 PM  
**To:** Wiseman, Sara  
**Cc:** Riggs, Eric  
**Subject:** RE: Depreciation update for LG&E and KU  
**Attachments:** KU-2017-Steam-v1.xlsx; KU-2017-Steam-v2.xlsx; LGE - 2017 - Electric-Steam-v1.xlsx; LGE - 2017 - Electric-Steam-v2.xlsx

Sara and Eric:

Attached are our preliminary results. I have supplied two versions.

The first version for each company reflects that reserve amounts you supplied us by account and location. The second version for each company reflects needed reserve adjustment for various accounts and locations most of which relate to retired plants.

Note: it is very unusual to be adding capital dollars to retired plants particular when the costs are not true property units or have a life more than one year. Also, there are some very unusual reserve transactions that created very large negative reserve amounts that did not make sense. Some of which should have been corrected by our last round of reserve adjustments which does not seem to have occurred.

Anyway I prefer version 2 over version 1 at this point.

John

**From:** Wiseman, Sara [mailto:Sara.Wiseman@lge-ku.com]  
**Sent:** Monday, April 30, 2018 11:10 AM  
**To:** Spanos, John J. <jspanos@GFNET.com>  
**Cc:** Riggs, Eric <Eric.Riggs@lge-ku.com>  
**Subject:** RE: Depreciation update for LG&E and KU

John,

When do you anticipate we will see some results? Our schedule had 4/27 has as a date to see preliminary results.

Sara

**From:** Spanos, John J. [mailto:jspanos@GFNET.com]  
**Sent:** Tuesday, April 24, 2018 9:09 PM  
**To:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>  
**Cc:** Riggs, Eric <Eric.Riggs@lge-ku.com>  
**Subject:** RE: Depreciation update for LG&E and KU

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

We are moving along pretty well. We have completed the initial analysis and are beginning the depreciation calculation process

**Johnston Jr., Frederick B.**

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**From:** Spanos, John J.  
**Sent:** Thursday, March 29, 2018 12:23 PM  
**To:** Johnston Jr., Frederick B.  
**Subject:** FW: data questions  
**Attachments:** KU\_Plant report\_December 2016.xlsx; LGE\_Plant report\_December 2016.xlsx

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**From:** Daly, Karen [mailto:Karen.Daly@lge-ku.com]  
**Sent:** Thursday, March 29, 2018 9:49 AM  
**To:** Spanos, John J. <jspanos@GFNET.com>  
**Cc:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>; Riggs, Eric <Eric.Riggs@lge-ku.com>  
**Subject:** RE: data questions

John,

I have just sent through secure mail the 2016 Plant Reports for both LG&E and KU as requested.

The other responses will be forwarded when complete.

If you do not receive the plant reports, please let us know.

Thanks!  
Karen

**From:** Spanos, John J. [mailto:jspanos@GFNET.com]  
**Sent:** Thursday, March 29, 2018 8:16 AM  
**To:** Wiseman, Sara <Sara.Wiseman@lge-ku.com>; Riggs, Eric <Eric.Riggs@lge-ku.com>  
**Subject:** data questions

EXTERNAL email. STOP and THINK before responding, clicking on links, or opening attachments.

Sara and Eric:

We have developed some questions regarding the data that we need further understanding.

Please see the attached file

Thanks  
John

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entities other than the intended recipient is not allowed. If you received this message and the information contained therein by error, please contact the sender and delete the material from your/any storage medium.



**Spanos, John J.**

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**From:** Daly, Karen <Karen.Daly@lge-ku.com>  
**Sent:** Thursday, March 15, 2018 2:08 PM  
**To:** Spanos, John J.  
**Cc:** Wiseman, Sara; Riggs, Eric  
**Subject:** Depreciation Study Files

John,

We have sent through secure email the following files:

- 1.) Depreciation Database Activity for 2016 & 2017
- 2.) KU salvage and cor reports
- 3.) LGE salvage and cor reports
- 4.) KU Plant Report as of 12/31/2017
- 5.) LGE Plant Report as of 12/31/2017

If you don't receive the emails, please let us know.

Thanks!

**Karen Daly**

Senior Accounting Analyst | Property Accounting | LG&E and KU  
20 West Main Street, Louisville, KY 40202

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**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 27**

**Responding Witness: John J. Spanos**

Q-27. Please provide all notes, documents, and photographs that were created due to Mr. Spanos' or Gannett Fleming's site visits and company interviews that took place in preparation for the depreciation study filed as Exhibit JJS-KU-1.

A-27. See attached.

ITINERARY FOR  
JOHN J. SPANOS

OCTOBER 19-21, 2015

Mon., Oct. 19

Leave	Harrisburg	Delta Flt. 3944	6:00 a.m.
Arrive	Detroit	(Seat 7C)	7:31 a.m.
Leave	Detroit	Delta Flt. 3378	10:00 a.m.
Arrive	Louisville	(Seat 6B)	11:14 a.m.

Take taxi to Company offices for meetings.

PURPOSE: Field review and management meeting for LG&E/KU  
220 West Main Street  
Louisville, KY 40202

Contact: Sara Wiseman (w) 502-627-3189  
(c) 502-338-0886  
Eric Riggs (w) 502-627-2822

HOTEL: Louisville Marriott Downtown (Confirmation #92992230)  
280 West Jefferson Street  
Louisville, KY 40202  
Phone: (502) 627-5045  
FAX: (502) 627-5044

Wed., Oct. 21

Leave	Louisville	American Flt. 5154	4:05 p.m.
Arrive	Charlotte	(Seat 1D)	5:33 p.m.
Leave	Charlotte	American Flt. 880	7:45 p.m.
Arrive	Harrisburg	(Seat 5D)	9:11 p.m.

Sara Wiseman - Cell Phone - 502-338-0886  
Eric Riggs - Cell Phone - 502-551-1258  
Ed Clark - Cell Phone - 502- 648-3784  
John Spanos - Cell Phone - 717-448-9365

**2015 October 19, 20, 21**

**Day 1 - October 19th - Monday**

John's flight arrives around 11:10, he will take taxi to LG&E Building	
Meet with Rusty, Chris, Dave, Scott, (Budget Issues)-Lunch	11:30-1:00
Travel to Auburndale Service Center	20 min.
Auburndale Service Center - 6900 Enterprise Drive - Paul Stratman 502-364-8724	1:30-2:30
Travel to 1306 Penile Road	10 min.
Gas - Mike Collins - 627-3191 - Cell 773-3563 (estimate 3 hours)	
Penile City Gate Station, 1306 Penile Road	2:40 - 3:30
Cane Run 7 City Gate - CCGT pipeline (Next to Penile City Gate)	
Travel to 4000 Blanton Road	10 min.
Blanton Lane Regulating Station - 4000 Blanton Road	3:40 to 4:15
Travel to 3701 7th Street Road	10 min.
Saint Helens Regulating Station - 3701 7th Street Road	4:25 - 5:00
Travel to Marriot Hotel	20 min.

**Day 2 - October 20th - Tuesday**

Pickup at 7:00AM -1.5 hours to Brown	7:00
Brown - Sam Carr 859-748-4424, Cell 859-265-0583	8:30-10:00
Travel to HigbyMill Substation	40 min
HigbyMill Substation Tour - Kenneth Hill - cell 1-859-361-6132	10:40-11:10
Travel to Toyota North	40 min
Toyota North Tour	11:50-12:20
Lunch	12:30-1:15
Travel to Ghent	1hr 20 min
Ghent - Alex Betz - 502-347-4109, Tim Harrison 1-502 347-4026	2:35-4:30
Enter in at Gate 4 (west/downriver end of property - come to new admin bldg - sign in and Alex and Tim will meet you there.	
Travel time to Marriott Hotel - Arrive	5:30 PM

**Day 3 - October 21st - Wednesday**

Mill Creek - Joe Didelot cell 599-0724, Rosie Kielser cell 338-6998 - 14660 Dixie 7:30 - 9:30  
Check in at Guard House, drive to Admin Bldg. 302 Conference Room

Cane Run - Dave Tummonds 449-8801, Nancy Bryant 449-8811 - 5252 Cane Run Road 10:00-11:30

Lunch

Ohio Falls - Kerry Johnson 627-2831 - 811 North 27th Street. 12:30-1:30

Canal Substation 2005 Northwestern Parkway - Paul Gulley cell 502-643-6784 1:30 - 2:15

Airport 3:00

Generation + Coordination conditions 12:00 PM + Scott Stewart

All Com Units have scrubbers

no fees in plants

But could be a fee of one unit at time change

Ground may be reduced in 2022

Effluent limitations a problem at all 4 units

All have a concern

even had to purchase fuel - fuel w/ compare

95,000 Pounds

- some cost to create loads

650M efficiency water construction

All Drained by cell lawn

Plant shut down will require 2 CCGT plants

TC Landfill another big project

2 - CCGT ARE 100% in next 20 yrs

if know projects that been done at 2022

NO Simple Crisis contained / solutions to CCGT

Some used to be known

Ground 6.7 and want to go out soon

Transmission

Trans Reliability team - focus on increasing water Reliability - 2017

will see more fuel loads

Distribution

N-1 = Additional redundancy for substations - some new substations or existing substations

Automation - Smart Grid / Investment systems

A LOT OF POWER REPLACEMENT DUE TO SHUTDOWN OF GOOGLE SYSTEM

SHOULD BE AT LEAST 10,000 POUW

WILL RETURN POWER AND BRING BACK AT NO COST (GOOGLE TO CONTRAST)

GAT PLAN REPLACEMENT + RISE PROGRESS ENDING 2017

TRIAL TO INTEGRATE WEST AND EAST SYSTEMS

PLAN TO UPDATE U/G STORAGE FACILITIES

OTIS FOCUS AND DIX DATA - SHOULD SEE A LOT OF REPAIR

INCREASE CAPACITY

F-10 MW UNIT  $\Rightarrow$  125 MW

ALL SERVICE RISERS CAN BE ABOVE GROUND

COULD SEE SOME SERVICE CENTER CONSOLIDATION

NO NEW SERVICE CENTERS TO BE BUILT

FLOOR AREA MAY BE LEASED/OWNED

AUBURNDALE SERVICE CENTER 1: 95 Paul Sorstman

② ~~Garage~~

③ Vehicle Canopies

④ EV Charging Station

⑤ Warehouse

Office Remodeled

New Gas Urinals on 2<sup>nd</sup> Floor

New Roof

2<sup>nd</sup> Floor - Gas Dispatch + Firearm Det

⑥ Storeroom - Gas + Electric

Motor Shop

Personnel Training Shop

1970s Construction

Large Yard

Penile City Gate Station / Cane Run City Gate Station 2:30 Mike Gault

Original Penile City Gate

Cane Run Added When Unit 7 Added

Rebuilt Penile City - 2013

Original - 1960s

⑥ Sanitary and Odorant

⑦ Heating

⑧ Regulatory Compliance

700 lbs  $\Rightarrow$  400 lbs

RTUS Operates Downtown

Multi-Facet Station

⑨ ~~Location~~ on Site

⑨ Regulator Lines - Buried

⑩ " " - Merged

GAS  
LAS (GAS) P. 10/10 ON SITE

CANAL AND STATION - 2014 CONSTRUCTION

SMALL RTU BUILDING

(11) ODDER TANK AND PUMP/VALVE

Pig LAUNCHER

(12) RTU BUILDING AND CONTROL CABINET

BLANCK LANE REGULATING STATION 3:15

REPORT IN 2011

2/10/15

GOING TO PRODUCT UNIT 13

(13) LINES GOING TO WATER TOWER LINE (150 lbs)

(13) REGULATOR

RTU BUILDING AND CONTROL

CANAL AND 7 HAS VALVE OFF SITE - 2014

(14) CANAL AND 7 REGULATOR AND VALVE (ACT 304)

ST. HELENS REGULATING STATION 3:50

(15) REGULATOR BUILDING

(16) REGULATOR LINE (2)

FOOD TO BE REPORT - 2011

(17) Pig LAUNCHER

SMALL CONTROL

150 lbs  $\Rightarrow$  80 lbs

(18) CONSTRUCTION

NEW ACTUATOR RT ON IN 2010



Organization	Project	Bud Description	Tyrone 2011	2012	2013	2014	2015	Total
<b>Brown Steam</b>								
Organization	Project	Bud Description	2011	2012	2013	2014	2015	Total
016220	131243	Brown 1,3,FGD, LS - NERC CS IA	\$546,721	\$0	\$0	\$0	\$0	\$546,721
016220	133088	BR FGD Agitator Repl 16	\$0	\$0	\$0	\$0	\$550,000	\$550,000
016220	132584	BR1 SS OHDR Repl 12	\$285,818	\$265,990	\$0	\$0	\$0	\$551,808
016220	142770	BR3-2 BFPT Blade Repl	\$0	\$0	\$574,811	(\$711)	(\$1,398)	\$572,702
016220	124282	BR1 IR & IK Sootblower Repl 12	\$585,871	\$3,240	\$0	\$0	\$0	\$589,111
016220	BOFFEXP11	BR Office Expansion/Renovation	\$315,126	\$284,331	\$0	\$0	\$0	\$599,457
016220	137194	BR Guard Building Replacement	\$0	\$0	\$501,594	\$127,275	\$0	\$628,869
016220	124280	BR2 E Heater Repl 11	\$633,590	\$0	\$0	\$0	\$0	\$633,590
016220	126062	BR1 Primry SH Top Bank Repl	\$0	\$0	\$0	\$328,169	\$316,913	\$645,082
016220	133907	BR3 IP Blade Repl 12	\$0	\$660,411	\$0	\$0	\$0	\$660,411
016220	126069	BR3-4 Pulv Gearbox Reblid 12	\$207,300	\$451,429	\$3,709	\$0	\$0	\$662,438
016220	149862	BR3 Turbine Valve Upgrade	\$0	\$0	\$0	\$0	\$699,816	\$699,816
016220	137179	BR2 SH Platen Repl	\$0	\$0	\$210,682	\$546,517	(\$6,129)	\$751,070
016220	133895	BR3 CWP Overhaul	\$0	\$50,872	\$289,334	\$452,627	\$0	\$792,833
016220	140375	BR3 Spare HWRS Pump	\$0	\$0	\$393,902	\$0	\$403,583	\$797,485
016220	140396	BR2 Turbine Valve Fasteners	\$0	\$0	\$0	\$816,581	\$4,594	\$821,175
016220	139932	BR3 Burner Nozzle Retrofit	\$0	\$0	\$846,121	\$5,221	\$0	\$851,342
016220	137185	BR1 Econ & Hdr Repl	\$0	\$0	\$0	\$461,858	\$562,484	\$1,024,342
016220	133940	BR Software Upgr - Windows 7	\$0	\$0	\$823,264	\$221,196	\$130	\$1,044,590
016220	140395	BR1 Turbine Blading	\$0	\$0	\$0	\$466,359	\$822,248	\$1,288,607
016220	139669	BR1&2 Mercury Mitigation Syst	\$0	\$0	\$1,984,548	\$387,946	\$71,873	\$2,444,367
016220	124212	BR3 Primary SH Repl 12	\$1,081,155	\$1,445,387	(\$12,628)	\$0	\$0	\$2,513,914
016220	133939	BR3 SCR Catalyst	\$0	\$0	\$0	\$511,409	\$2,011,432	\$2,522,841
016220	144455	BR3 Burner Corner Panels	\$0	\$0	\$0	\$0	\$2,839,836	\$2,839,836
016220	124249	BR2 Controls Repl 10&11	\$2,884,055	\$5,676	\$0	\$0	\$0	\$2,889,731
016220	133938	BR1 Cooling Tower Rebuild	\$0	\$0	\$0	\$1,308,694	\$1,961,254	\$3,269,948
016220	124288	BR3 Generator Rewind 13	\$5,710,020	\$9,991,390	(\$92,034)	\$0	\$0	\$15,609,376

<b>Brown Combustion Turbines</b>								
Organization	Project	Bud Description	2011	2012	2013	2014	2015	Total
016300	123871	BRCT8 HGC Recond 11-12	\$714,046	\$0	\$81,679	\$0	\$0	\$795,725
016300	138357	BRCT GT24 Fuel Flexibility KU	\$0	\$0	\$1,077,307	(\$49,712)	(\$2,616)	\$1,024,979
016300	139117	BRCT11 Rotor Heat Shield Repl	\$0	\$0	\$1,138,659	\$0	\$0	\$1,138,659
016300	123909	BRCT 11N2 Controls Upgr 11-12	\$0	\$1,569,067	\$8,402	\$0	\$0	\$1,577,469
016300	123908	BRCT9 Parts Recond 12-13	\$0	\$0	\$0	\$1,360,638	\$1,279,412	\$2,640,050
016300	123910	BRCT10 C Inspection 12-13	\$0	\$0	\$0	\$1,084,252	\$4,567,640	\$5,651,892
016300	123907	BRCT9 C Inspection 12-13	\$0	\$1,444,294	\$6,398,026	(\$23,955)	\$0	\$7,818,365

<b>Dix Dam</b>								
Organization	Project	Bud Description	2011	2012	2013	2014	2015	Total
016910	120418	DX2 JOHNSON VLV REFURB 11	\$644,491	\$258,234	\$0	\$0	\$0	\$902,725
016910	144435	DX Building Refurbishment	\$0	\$0	\$0	\$0	\$1,999,769	\$1,999,769
016910	124213	DX2 Overhaul 11	\$3,988,948	\$423,186	\$0	\$0	\$0	\$4,412,134
016910	122086	DX1 OVERHAUL 11-12	\$1,665,783	\$2,924,099	\$558,683	\$15,068	\$0	\$5,163,633
016910	126823	DX Dam Leakage Remediation	\$8,381,514	(\$1,777)	\$0	\$0	\$0	\$8,379,737

<b>Haeffling</b>								
Organization	Project	Bud Description	2011	2012	2013	2014	2015	Total
016930	124202HF	HF CT Recontrol	\$876,350	\$0	\$0	\$0	\$0	\$876,350

Brown Construction Services P:30 Jett Case, Bill Egan

• MAJOR OVERHAUL CYCLE

Proposal for UNIT 3.

CERT is for entire plant

UNIT 1 Lossable Tower Reducer - 2015

Mineral Mitigation System Upgrade

LOAD REDUCED SINCE CASE RUN 7

CONTINUOUS MONITORING UNIT 1 & 2

Provisional Replacement Partials UNITS 1 & 3 - 2016

CATALYST CHANGE OUT - UNIT 3

FGD IMPROVEMENT - 2017

Building New Office for CT Site > \$500,000

Building New Storage Facility

• Rebuilding Reducer - UNIT 3 - 2019

Brown 3 MAJOR OVERHAUL - 2018/2019

Could have waited for water treatment at CT Site

Dix Dam Powerhouse being refurbished - 2015

MAJOR UNIT 3 - RETIRED

TOOK 1/3 COST FROM LOCATION

SEE CATALYST - HOUNSCOMB RELATION WITH LATE - 2 LATE

2016 2nd LATE TO BE ADDED

● New Cooling Tower - UNIT 1

12 UNIT 1 + 2

13 UNIT 3 TURBINE

14 UNIT 3 COAL FEEDERS

15 PRECIPITATION (STEAM DEMAND)

16 BAGHOUSE

17 CONDENS + LINE SIZES

18 SCRAMMER

19 AIR EXHAUST (ID) FLOW TO BAGHOUSE

20 CWT FLOWING AND FRESH SIZES

As Above

Fly Ash Ponds Located Downstream

● New Landfill Re-Use Constructed

21 Ammonia and Water System

22 Re-Use Feed Pipes

23 Powerhouses - UNIT 1

24 Brown CTS

James Westcott  
819-816-5696

Higley Main Substation 10:45

● Foods

69KV, 138KV, 12KV

25) Relays

2 TRANSMISSION, 1 DIST. SECTION

UPGRADED RELAYS 2011/2012

138KV ADDED 10 2012

ORIGINALLY BUILT 1970S - 1970

NEW CONTROL BUILDING

26) 138KV BREAKERS

27) Control Building

28) Capacitor Bank and SF6 Breakers

29) Oil Breakers and Transformers - 69KV + 138KV

30) Transformer and Vacuum Breakers

Major upgrades 1994 and 2009

Totota North Substation 12:10

31) Oil Breakers and Transformers

1977 Construction

32) Vacuum Breakers - Dist

Primarily Transmission 400

33) Potential Transformers

34) Relays

Upgrades in 2006

35) Control Building

Current Generation Station 2:15 Alex Bete, Tim Harrison

4 Units

CCRT - Boston Ash List of Issues

Administration Bldg - New

3 Boston Units 1, 3 & 4 installed

Unit 2 Being installed

CCRT - 3 sections

Fly Ash

Bottom Ash

Byproduct

} 60 to Land fill

Land fill New

Scrubber - 2007 to 2010

Limestone Plant Building - 2010

Changing Feeders

Water Treatment Requirements - New ELG Assets

12-18 month cycles for overhauls

Base Load Units

Turned Overhauls on 7-8 year cycles

Expect 4 Area III of Land fill (currently have 2 Areas in Service)

Building Coal Yard Locker Room

Feed Pump Turned on 6 yr cycles

36 Limestone Plant Bldg

37 UNIT 4 Bldg

38 1 of 6 Bldgs - UNIT 4

39 UNIT 3 TURBINE

See P&ID water monitor references

UP 6.5206 INCHES - DATE 07 2015

NEW DCS FOR ALL 4 UNITS

UNIT 3-4 CONTROL ROOM, SAME FOR UNITS 1+2

40 CERT FACILITY

41 UNIT 3 SCRAMMER

42 UNIT 1 SCRAMMER

43 UNIT 4 PRECIPITATION

44 UNIT 4 Bldg

45 UNIT 4 SCRAMMER

46 UNITS 1-3 STACKS

CERT VENTSCOPE TO BE BUILT

47 Admin Bldg

Mill Creek Generating Plant 7:30 Joe DiDolci, Kevin J. Gels

Low Ammonia Pools

Max Sulfur -

Expanding Unit 1 - 2015 - 2017

Catalyst Replacement - some recommended some not - 3-7 years

Refurbishing Coal Boiler Upgrade

Coal Mill Gate Box upgrades

17 miles for 4 units - 10 yr process to upgrade

Unit 4 was 5 miles

Unit 4 outage - 2014 Cooling Tower upgrade

Unit 1 elimination replaced - original 1988 - 2015

A lot of boiler work - renovation and boiler tubes - 2013-2015 Unit 1

Unit 4 work on renovation - 2015

Unit 3 & 4 - Low NOx boiler upgrades - first pot up in 2000

New Turbine Controls All units - Mark 6

2 New GPU Step transformer - Unit 3 & 4 - 2014

3 New GPU transformer - Units 1 & 2 - 2015

SPACES

Generator Station Bays Renamed for 3 units

Turbine Boilers and Boilers Renamed Renamed

7-yr overhaul cycle

Example for limestone purchased - 2011

2 spaces still around for spaces, Unit 1 & 2 same stack

Unit 4 Sulfur - 11/2014

Unit 2 " - 5/2015

Unit 1 " - 5/2015

Unit 3 " - 6/2016 when he completed

Potential Changes to Water Treatment

UNIT 1 & 2 TURBINE

49 " " Coal Feeders

ONE CENTRAL ASH PIT - SOME VIBRATORS 2011

Installed by WPA

50 Primary Unit 3

51 Motor Driven Roller Feed Line

52 Unit 4 Conveyor

53 Unit 1 Scrubber

54 Unit 3 Balhouse

55 Unit 2 SCR

56 Unit 3 SCR

57 Unit 2 Cooling Tower + Precipitator

INTAKE

Concrete Dam on off River - Air from River

50% Coal from Rail, 50% from

58 Unit 4 Scrubber

59 Limestone Scrubber + Unit 4 Cooling Tower

60 Steam Driven Roller Feed Unit - Unit 3

61 Admin Bldg

Mill Creek / Riverbank Canyon 7:30

62 Office / Warehouse

CLASSIFIED AS 101 AND 105 (UNCL. IN OPERATION)

63 for OPERATING OF Mill Creek



CANE RD UNIT 7 GENERATION STARTED 10:00 Tim Haden, Mark Lane

CA 2006 TOUR

LTPA in place for CTs - just for GAS TURBINES

SCHEDULED OUTAGES

2017 First Commission Inspection

1000 STARS on 14,000 HOURS - 518 BASE LEADS TO HOURS BEFORE FAILURE

STEAM TURBINE OUTAGES 25,000 HOURS

2 or 1 UNITS

UNITS 1-3 - RAN 1980s

UNITS 4-6 - RAN IN 2015

UNIT 7 - GASTIN FIRST OPERATION 4/15/15

CAN RD 1001 ~~OR~~ JUST CTs

STEAM PROVIDES CTs, STEAM POWER

VOLT MANUFACTURED 172565

Water coming from River Intake

ADDED GAS LINE

BUILT 138KV SUBSTATION FOR CANE RD UNIT 7

GAS PIPING (8 MILES) (RIVER ROAD  $\Rightarrow$  CANE RD ROAD) - TODAY GAS SUPPLY

20" LINE

GAS AND SUBSTATION IN GENERATION ASSES

COULD START UP 2 MAY 18 2015, 1707 START 1 HR 30 MIN

12 START UPS SINCE OCT. 1, 29 Cycles TO 1001

AUGUST 2015

60 MEMORIAL TREATMENT

61 Reverse Osmosis

62 Filter (west 2)

63 Water Clean Filters

64 1 of 2 Gas Compressors

65 H2SO4

66 Most Expensive

67 GAS TURBINE

138KV  $\Rightarrow$  195KV

68 Air In Tower

69 Steam Turbine Bldg

70 CONDENSATE PUMPS

71 CONDENSER

72 Steam Turbine

73 GAS Compressor / Water Treatment Bldg

74 Auxiliary Boiler

75 OFFICE

LG&E & KU SERVICES

Account 311, Structures & Improvements

October 19-21, 2015



Units 1 & 2 at Brown Generating Station



Limestone Prep Building at Ghent Generating Station

LG&E & KU SERVICES

Account 311, Structures & Improvements

October 19-21, 2015



Unit 4 Boiler at Ghent Generating Station

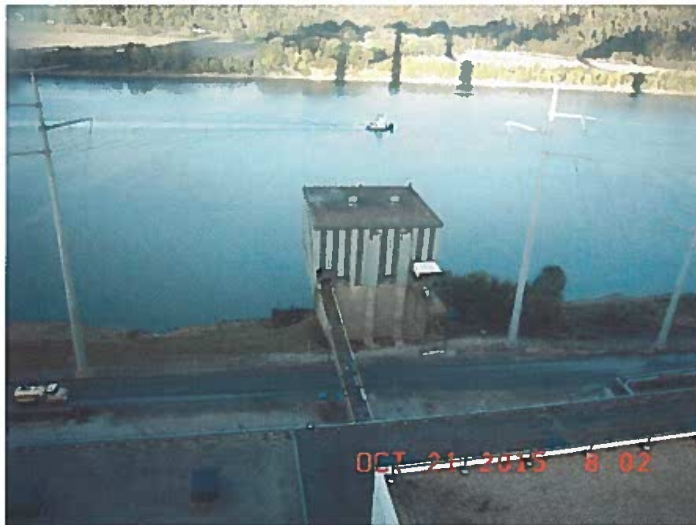


Administration Building at Ghent Generating Station

LG&E & KU SERVICES

Account 311, Structures & Improvements

October 19-21, 2015



Intake at Mill Creek Generating Station



Administration Building at Mill Creek Generating Station

LG&E & KU SERVICES

Account 311, Structures & Improvements

October 19-21, 2015



Office/Warehouse at Mill Creek/Riverfront Center

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



New Unit 1 Cooling Tower at Brown Generating Station



Unit 3 Coal Feeders at Brown Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Precipitator (being demolished) at Brown Generating Station



Baghouse at Brown Generating Station



LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Carbon and Lime Silos at Brown Generating Station



Scrubber at Brown Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Air Exhaust/ID Fan at Brown Generating Station



CCRT Building and Flyash Silos at Brown Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Ammonia and Water System at Brown Generating Station



Boiler Feed Pumps at Brown Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Unit 1 Pulverizers at Brown Generating Station



Pulverizers Unit 4 at Ghent Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



CCRT facility at Ghent Generating Station



Unit 3 Scrubber at Ghent Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Unit 1 Scrubber at Ghent Generating Scrubber



Unit 4 Precipitator at Ghent Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Unit 4 Baghouse at Ghent Generating Station



Unit 4 Scrubber at Ghent Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Units 1-3 Stacks at Ghent Generating Station



Coal Feeders at Mill Creek Generating Station



LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Unit 3 Pulverizers at Mill Creek Generating Station

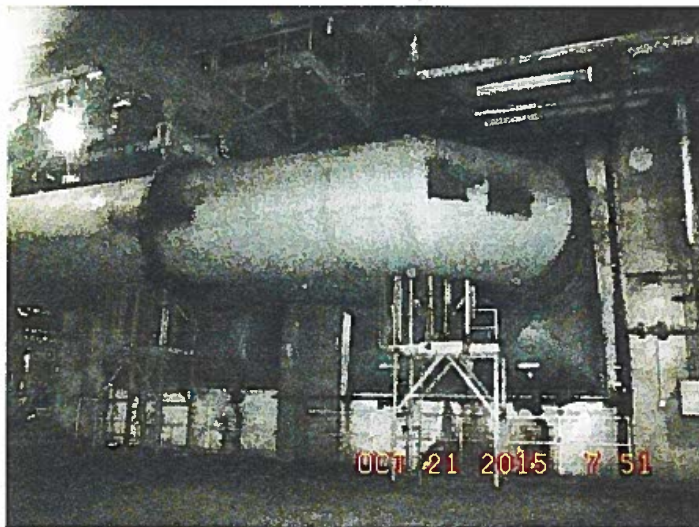


Boiler Feed Pump at Mill Creek Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Unit 4 Condenser at Mill Creek Generating Station



Stacks at Mill Creek Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Unit 1 Scrubber at Mill Creek Generating Station



Unit 3 Baghouse at Mill Creek Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Unit 2 SCR at Mill Creek Generating Station



Unit 3 SCR at Mill Creek Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Unit 2 Cooling Tower and Precipitator at Mill Creek Generating Station



Unit 4 Scrubber at Mill Creek Generating Station

LG&E & KU SERVICES

Account 312, Boiler Plant Equipment

October 19-21, 2015



Limestone Slurry and Unit 4 Cooling Tower at Mill Creek Generating Station



Steam Driven Boiler Feed Pump (Unit 3) at Mill Creek Generating Station

LG&E & KU SERVICES

Account 314, Turbogenerator Units

October 19-21, 2015



Unit 3 Turbine at Brown Generating Station



Unit 3 Turbine at Ghent Generating Station

LG&E & KU SERVICES

Account 314, Turbogenerator Units

October 19-21, 2015



Units 1 & 2 Turbines at Mill Creek Generating Station



**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 28**

**Responding Witness: John J. Spanos**

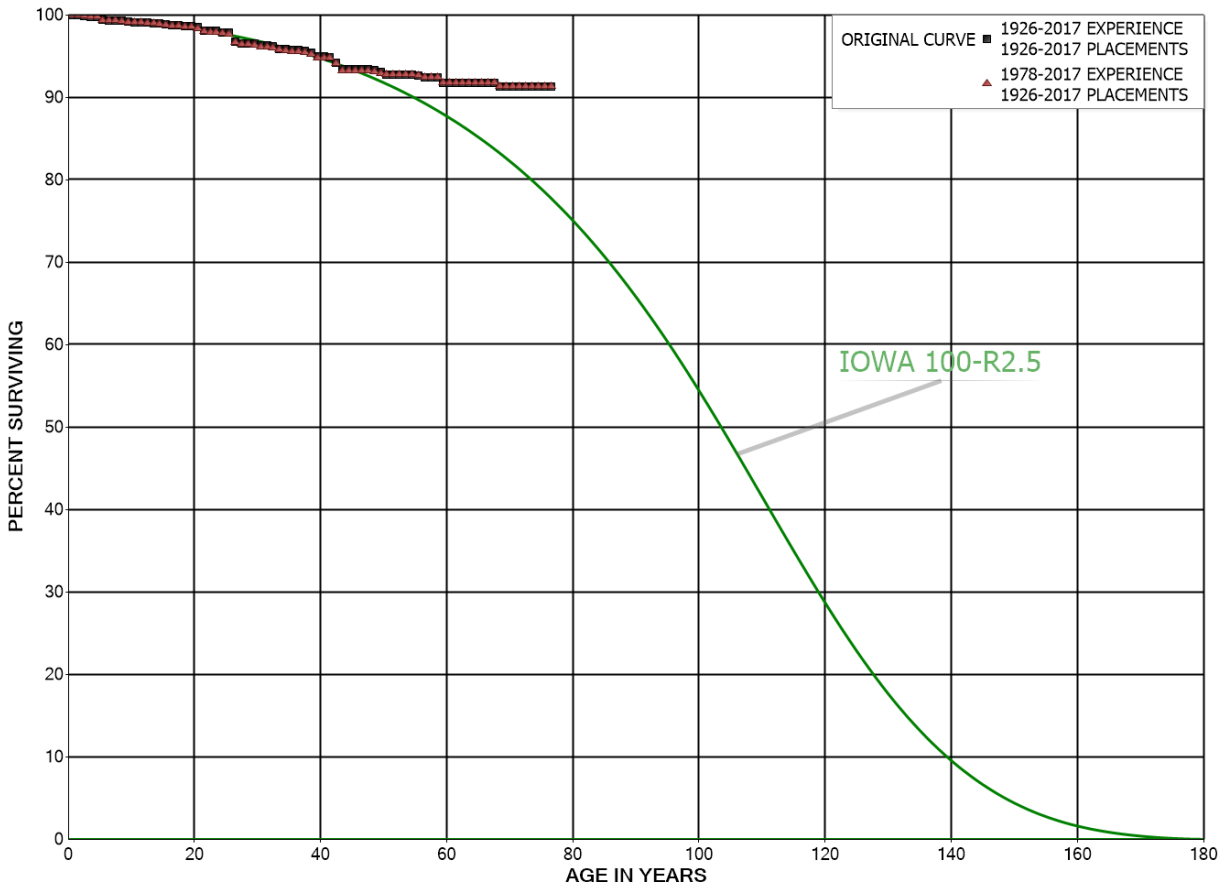
Q-28. For each FERC account studied in the depreciation study filed as Exhibit JJS-KU-1, please provide the results of all additional life analyses conducted by Mr. Spanos or Gannett Fleming. These additional analyses would be those conducted on original life tables that have experience and placement bands that differ from those presented in the depreciation study.

A-28. See attached.

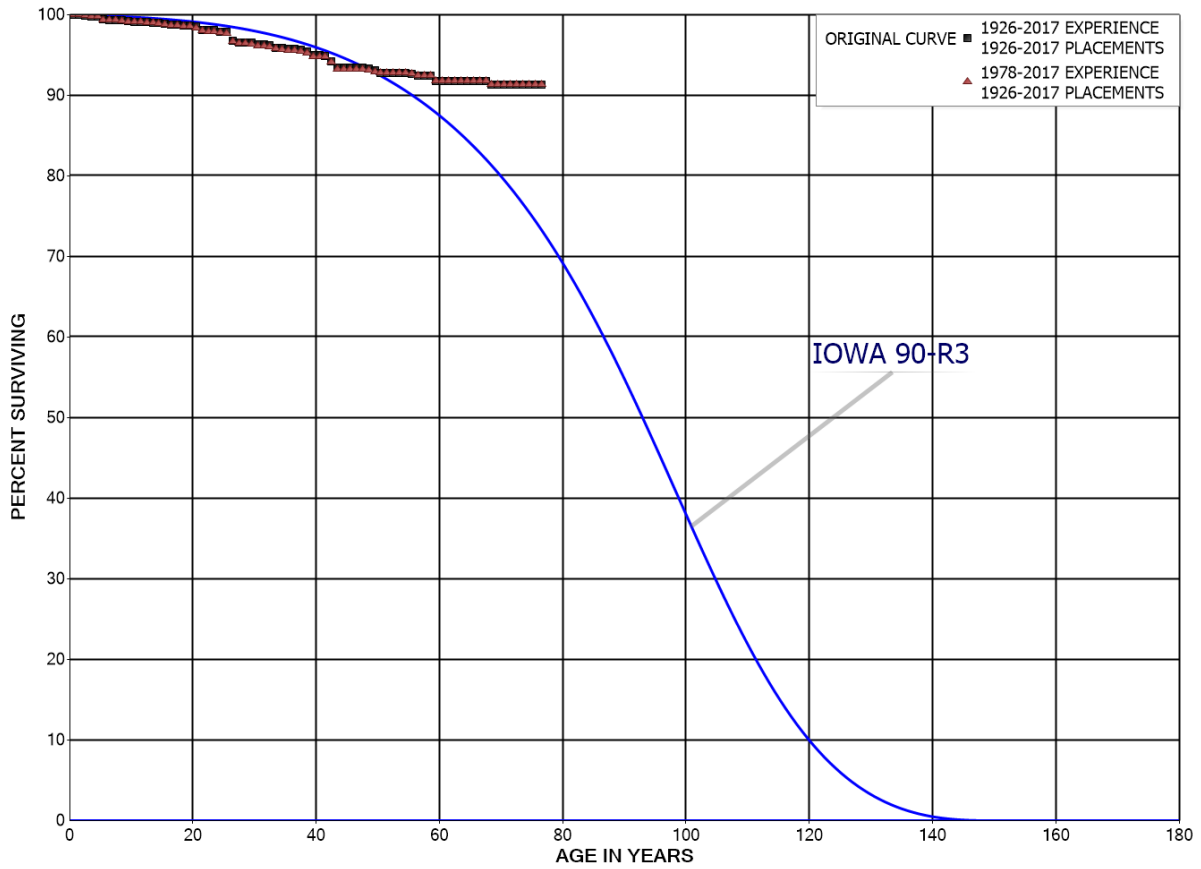
Attachment to Response to US DOD-1 Question No. 28

Spanos

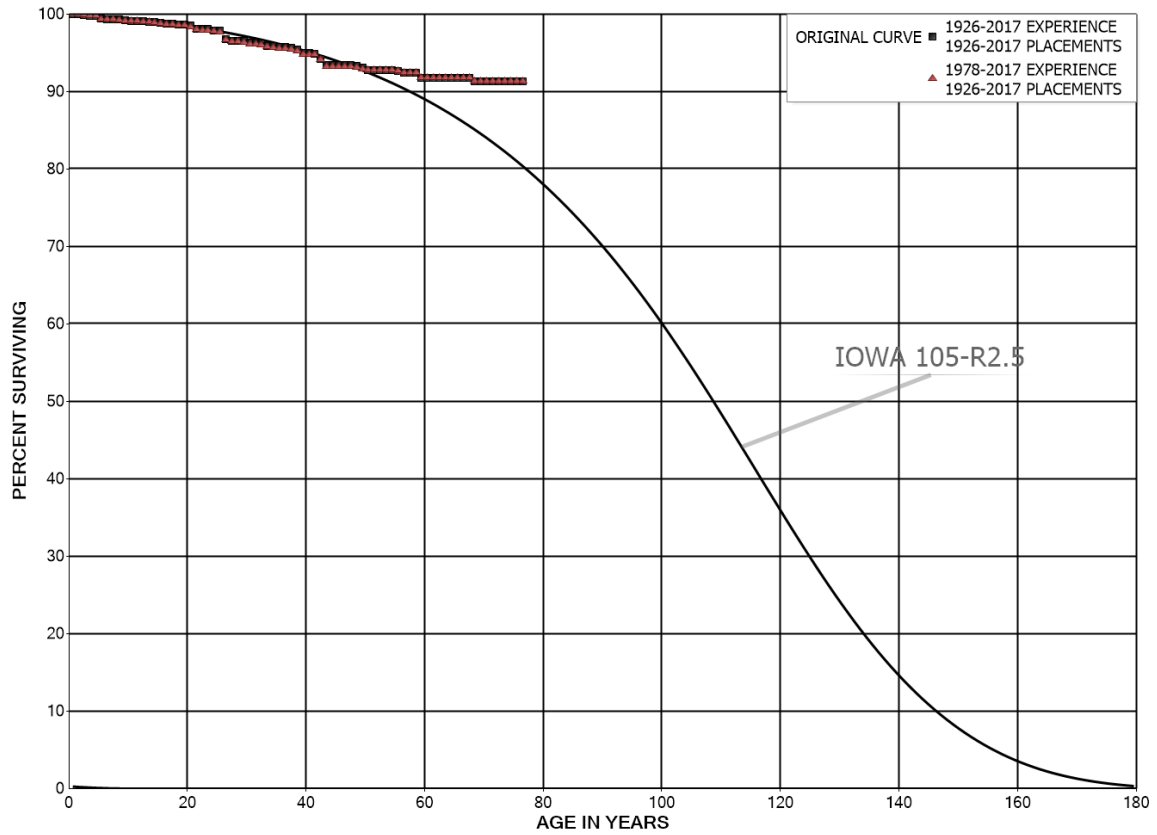
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STEAM GENERATION PLANT  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



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STEAM GENERATION PLANT  
ACCOUNT 311 STRUCTURES AND IMPROVEMENTS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



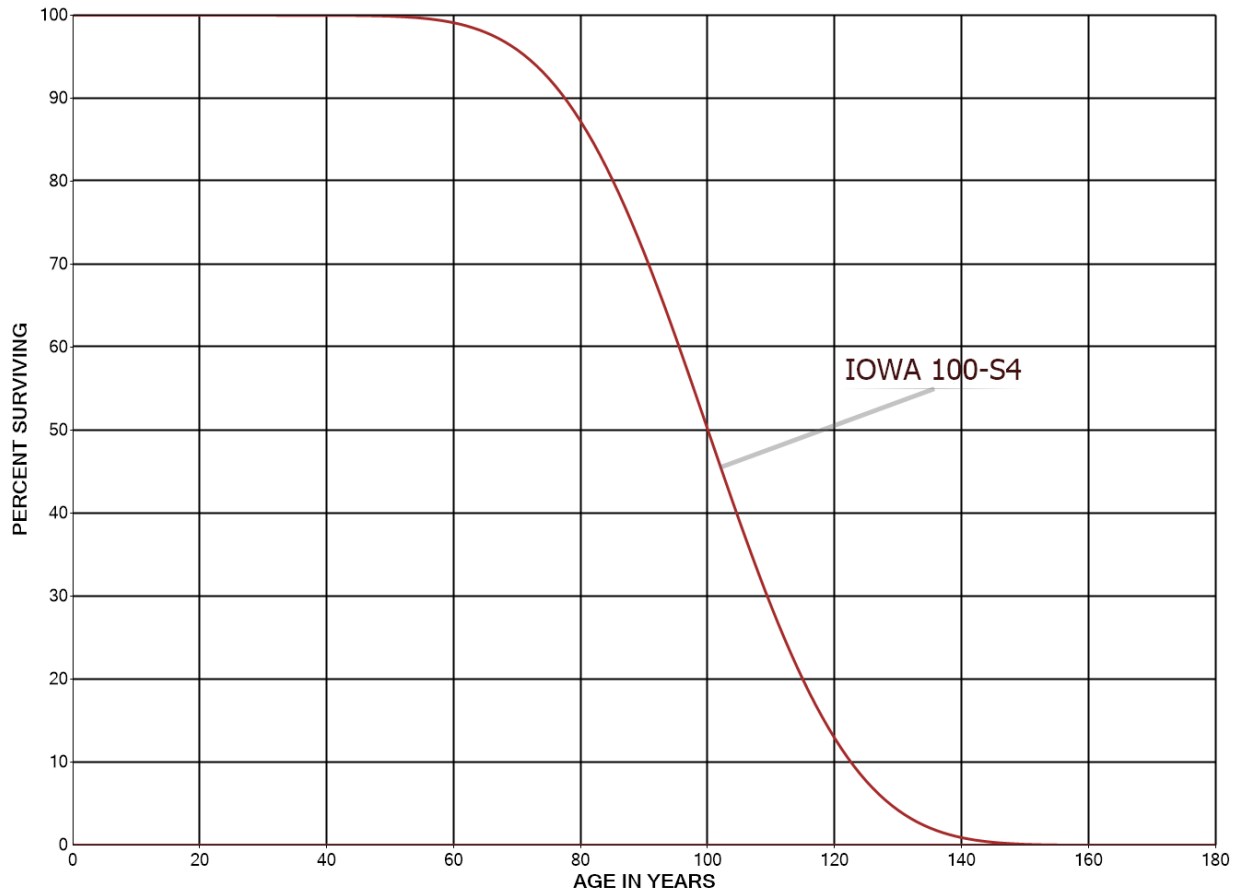
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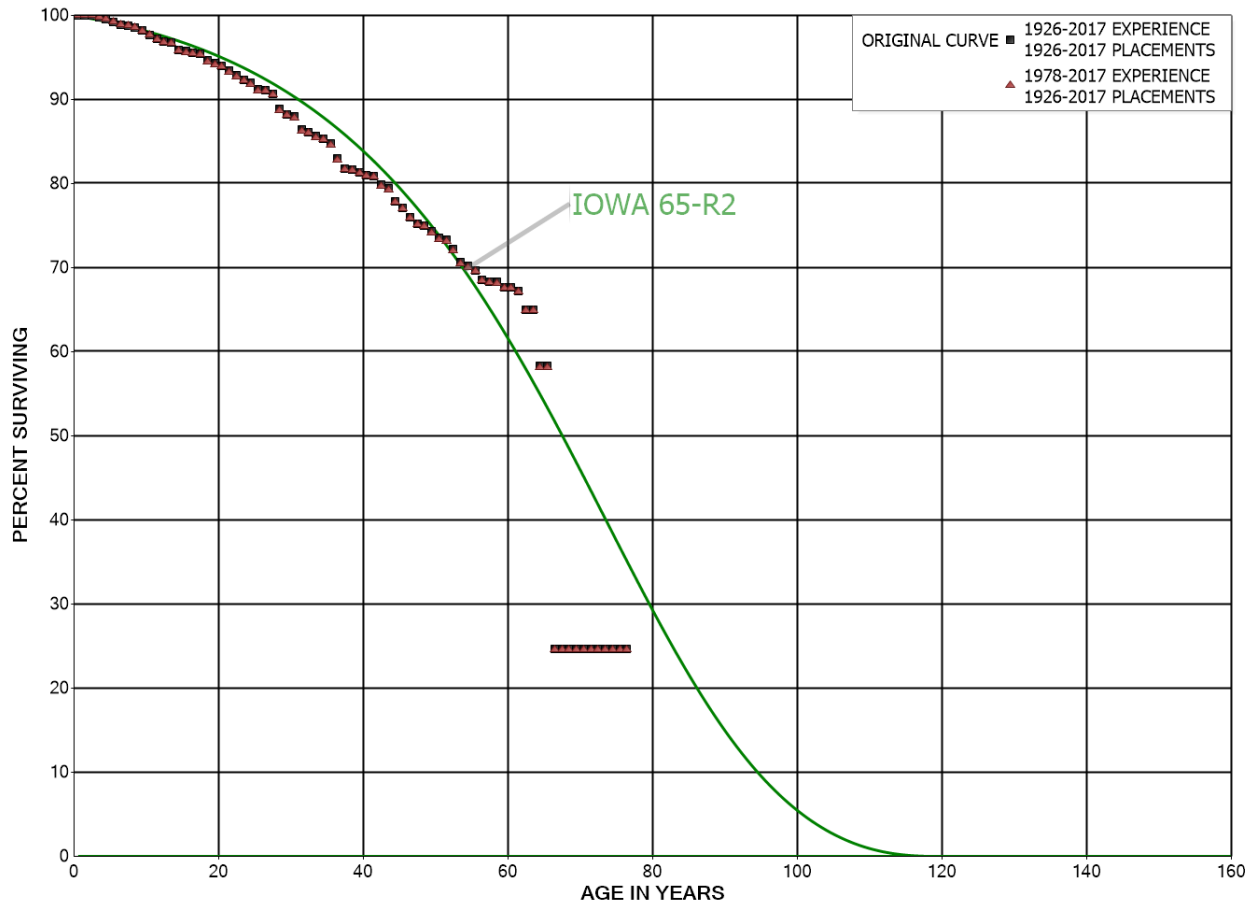
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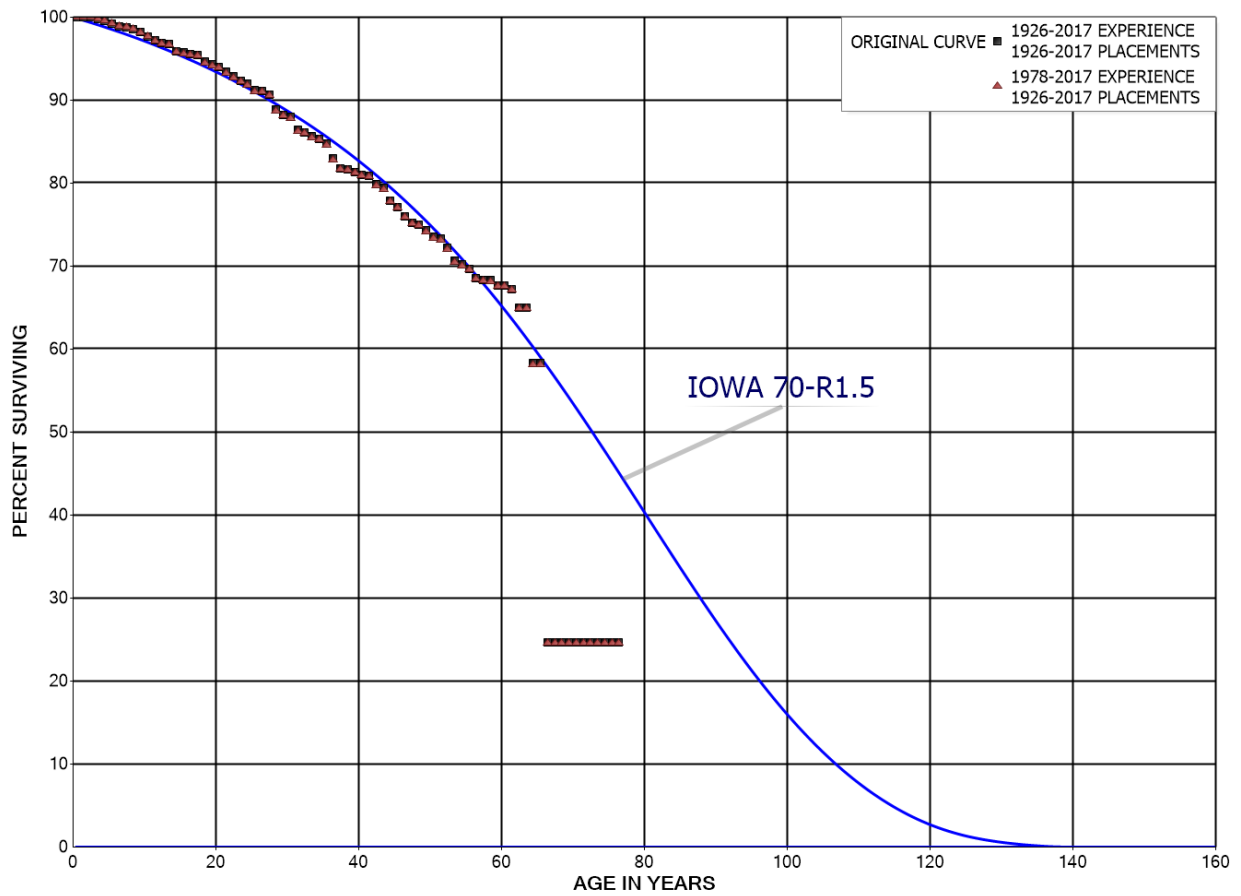
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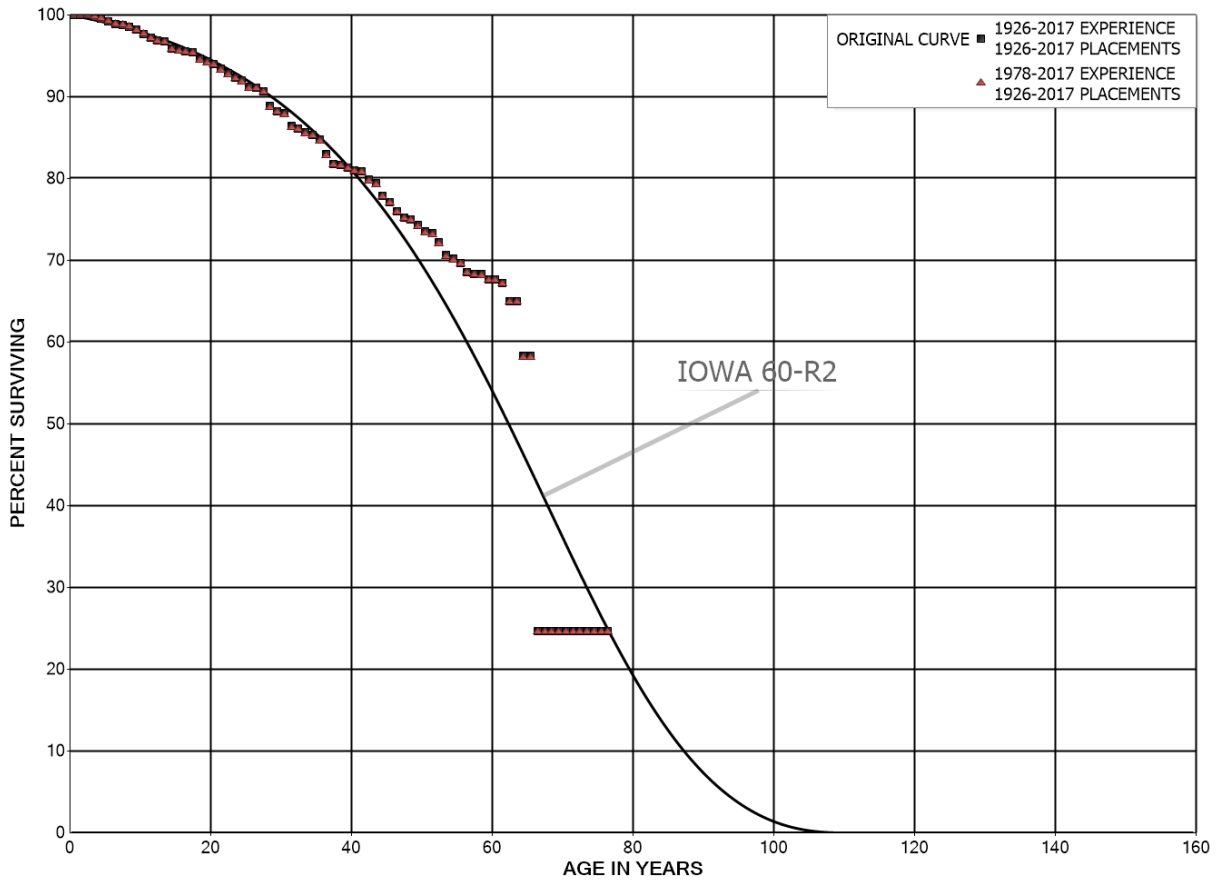
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ACCOUNT 312 BOILER PLANT EQUIPMENT  
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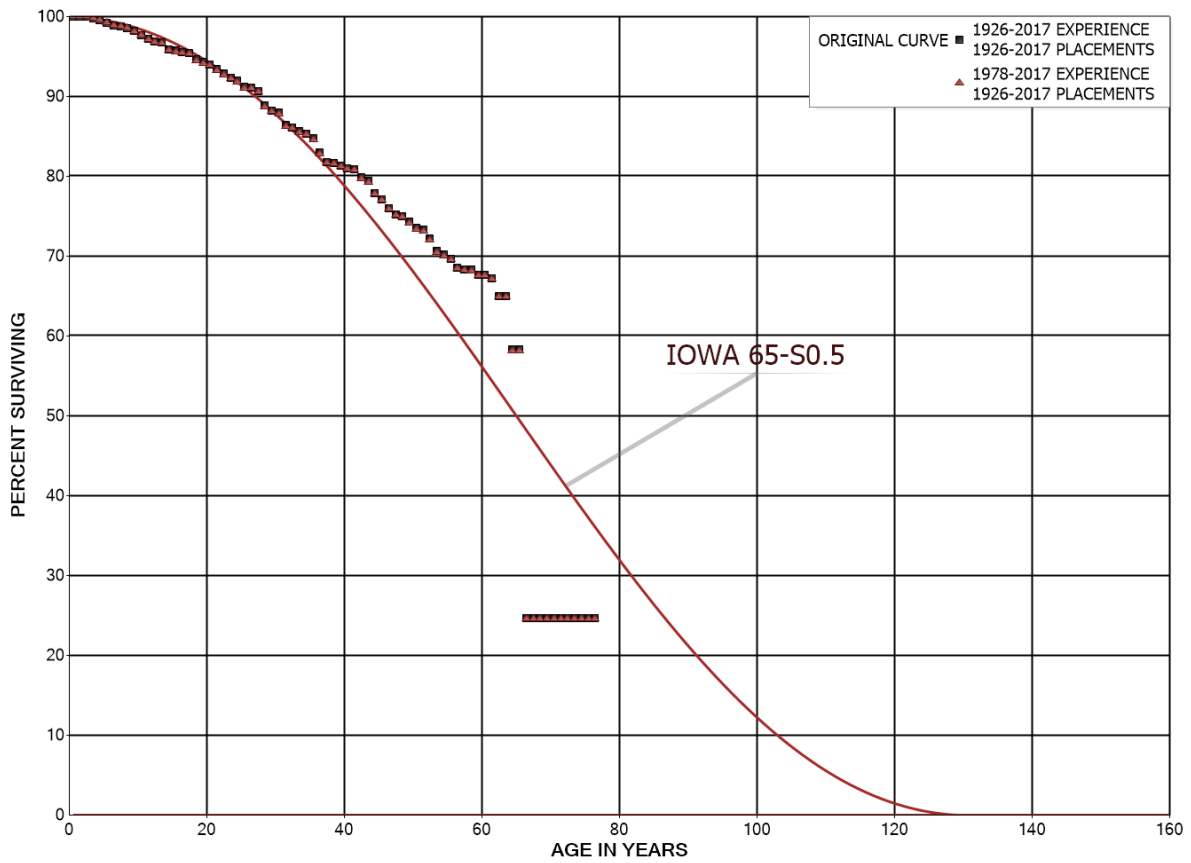


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ORIGINAL AND SMOOTH SURVIVOR CURVES





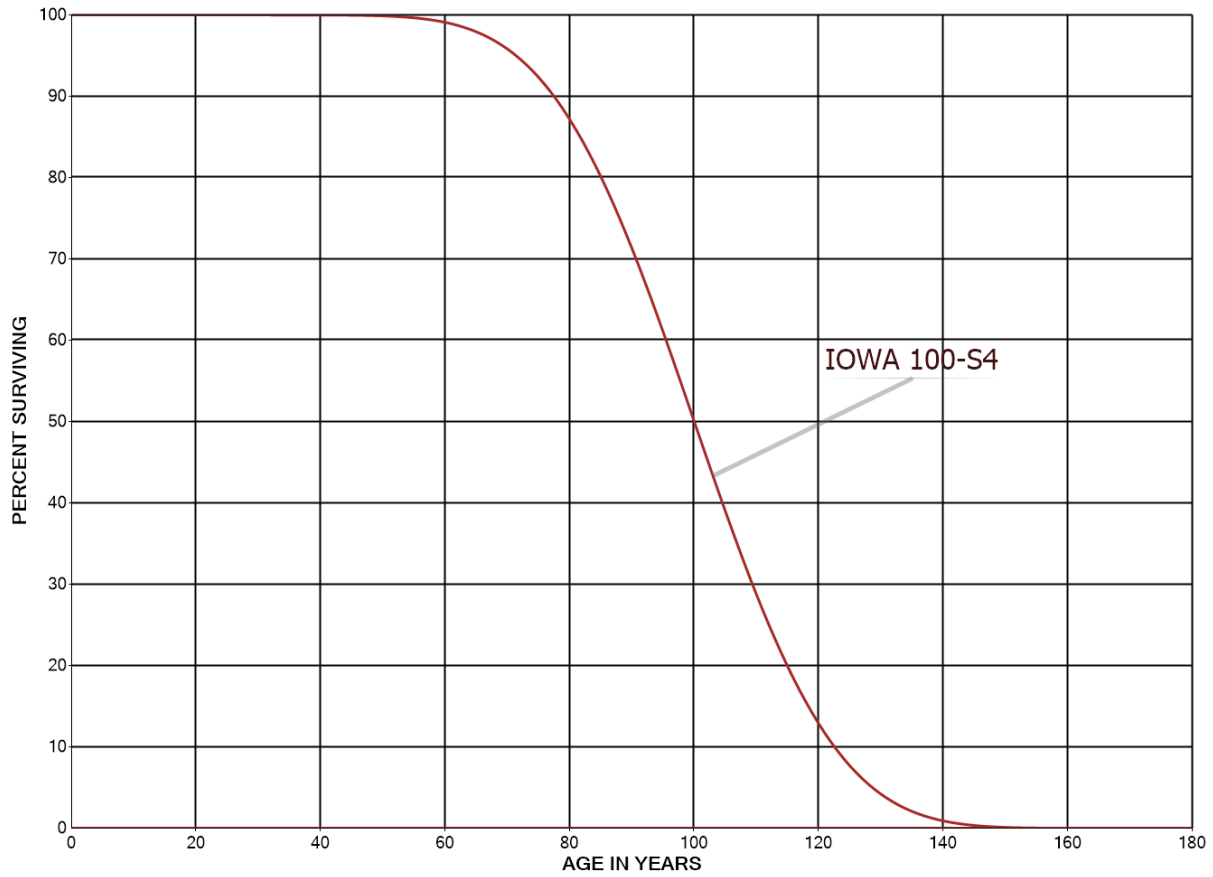
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Attachment to Response to US DOD-1 Question No. 28

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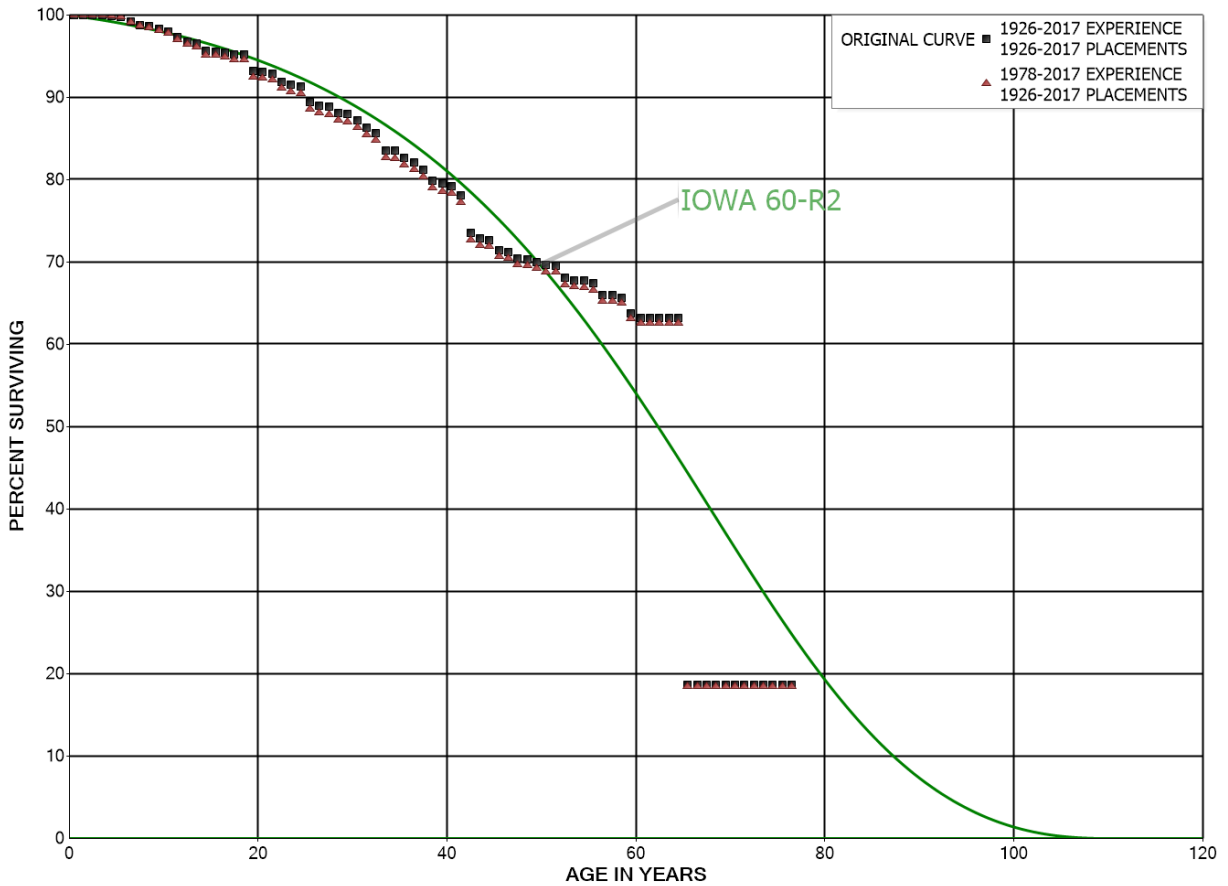
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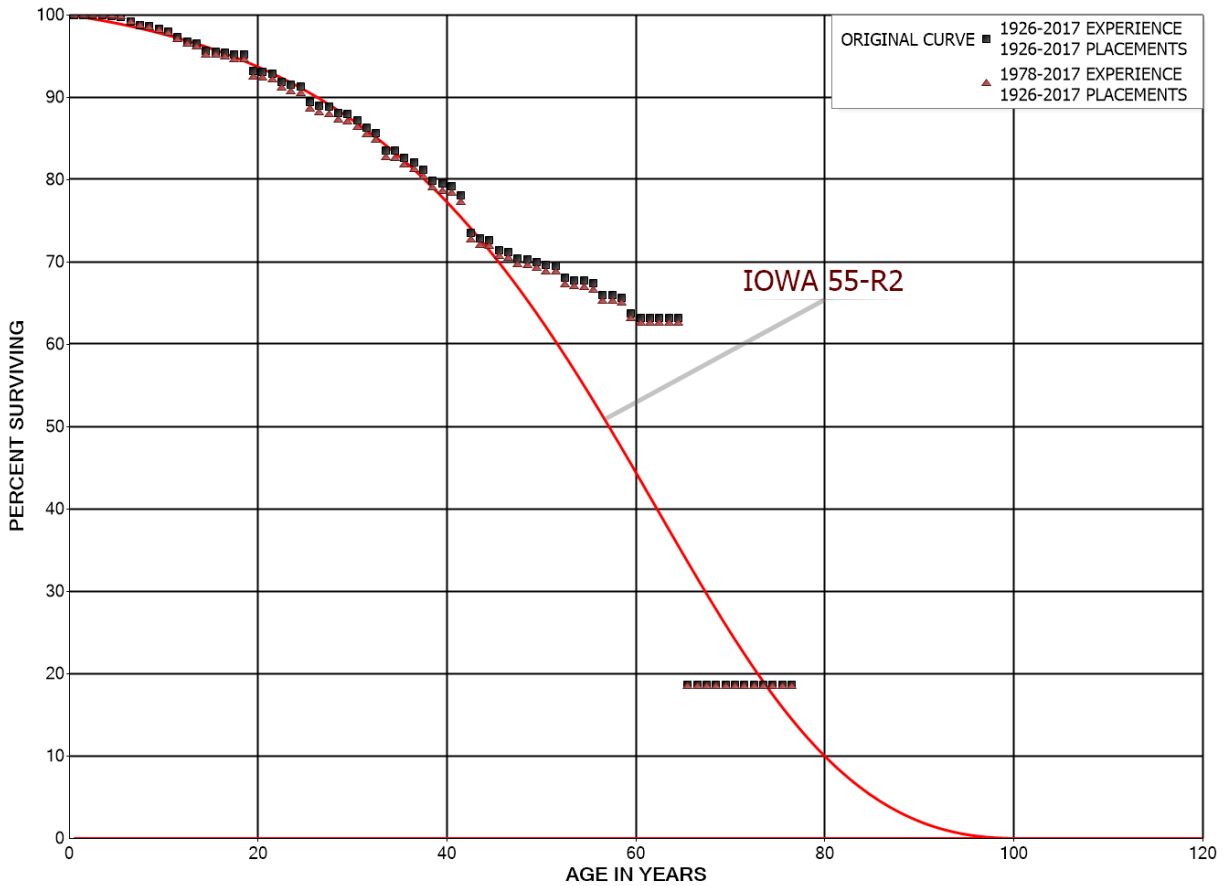
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ACCOUNT 314 TURBOGENERATOR UNITS  
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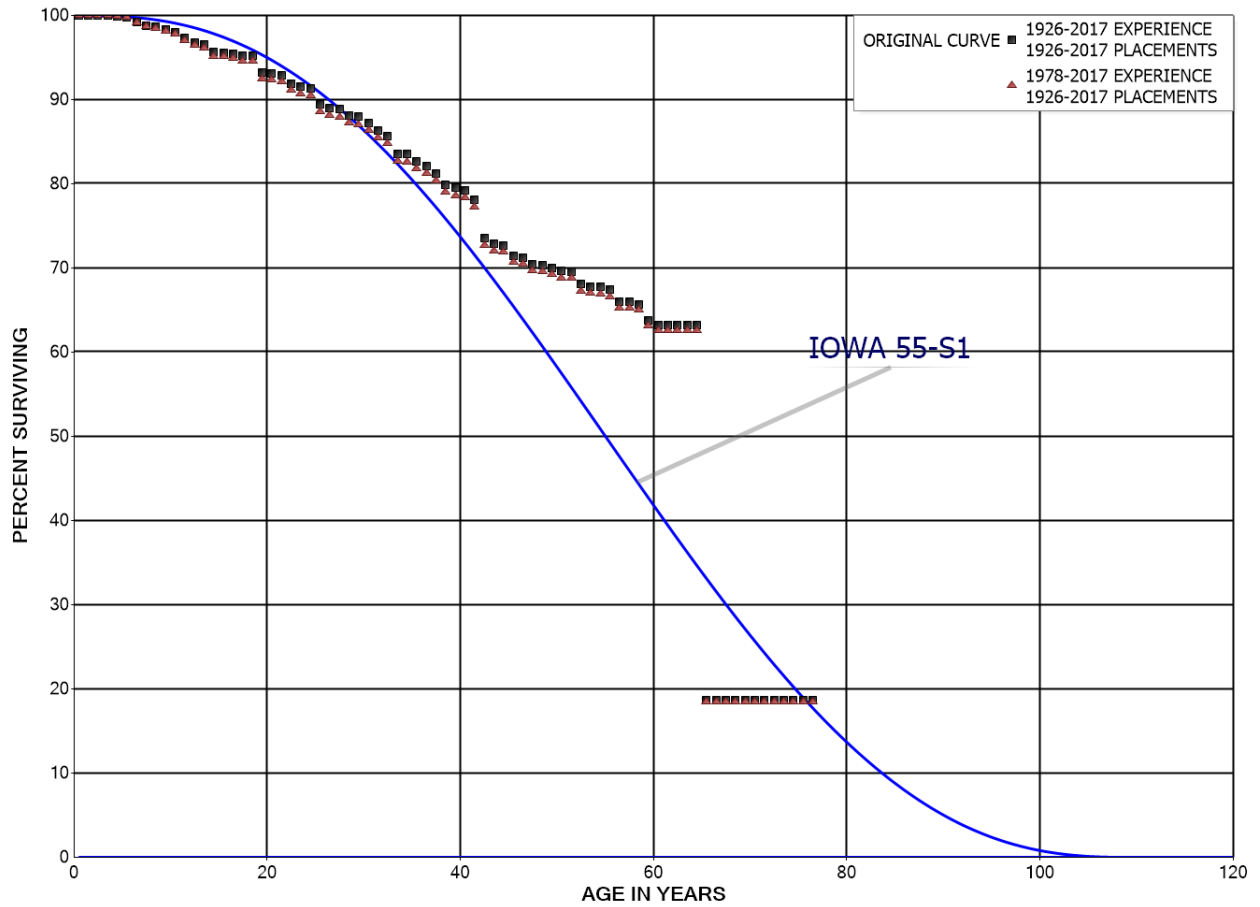
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ORIGINAL AND SMOOTH SURVIVOR CURVES



Attachment to Response to US DOD-1 Question No. 28

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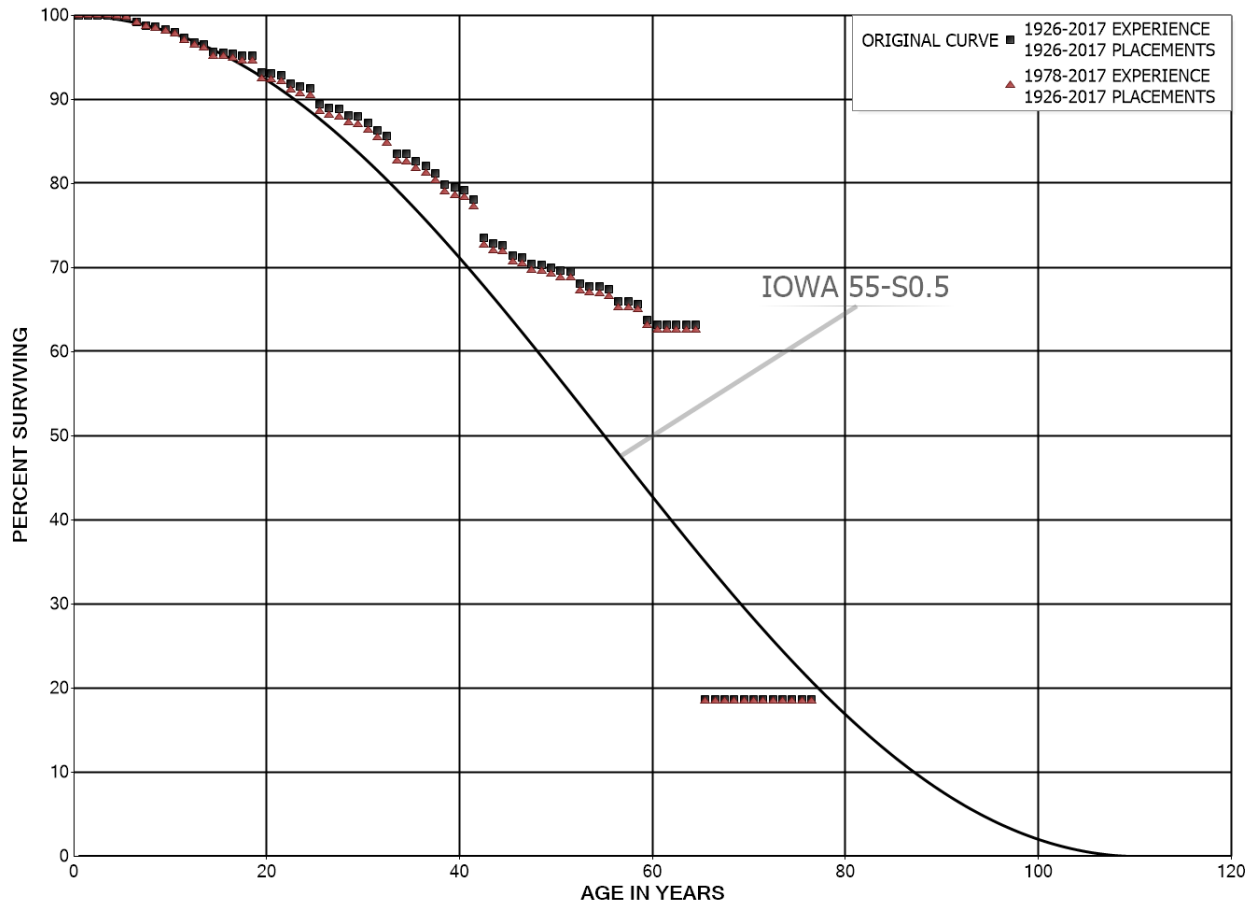
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ORIGINAL AND SMOOTH SURVIVOR CURVES



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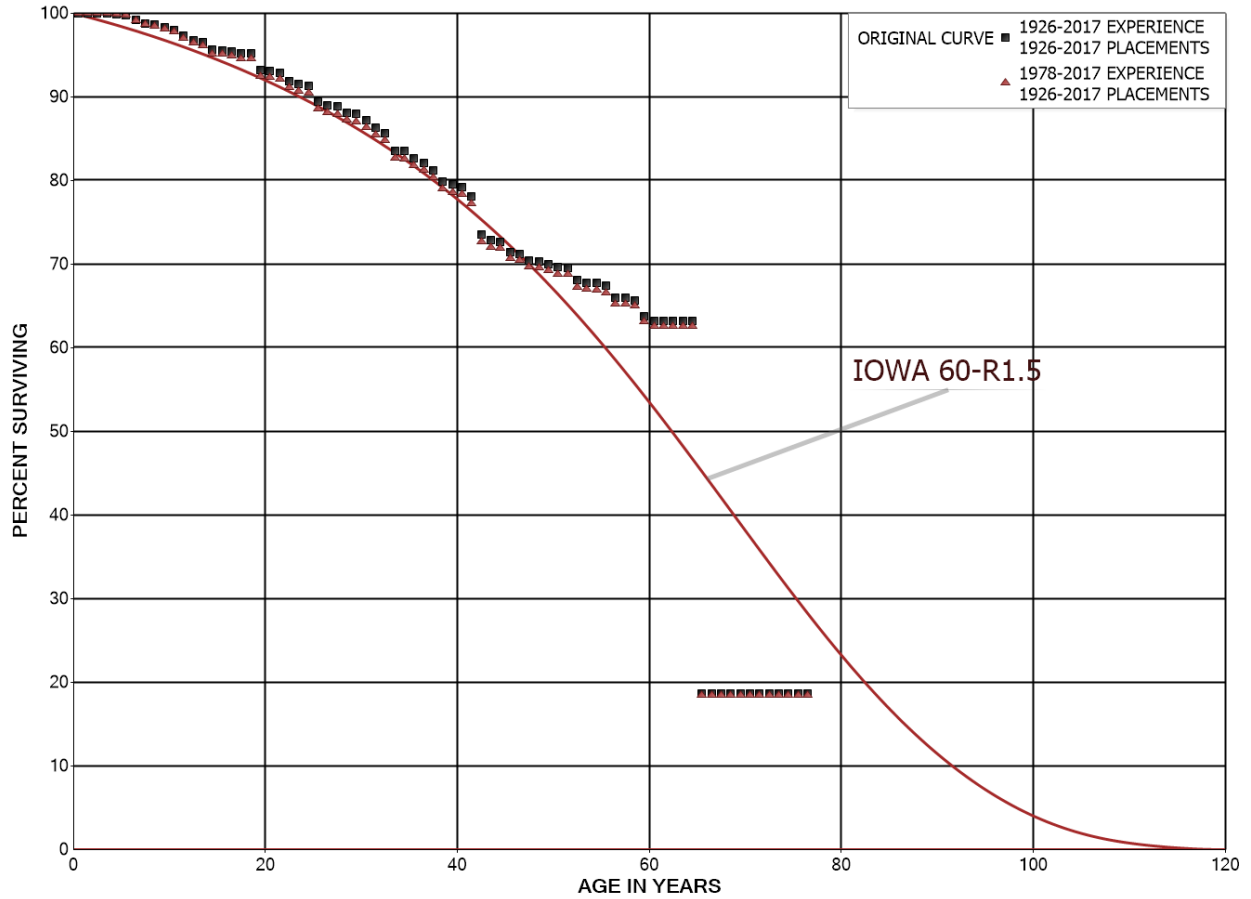
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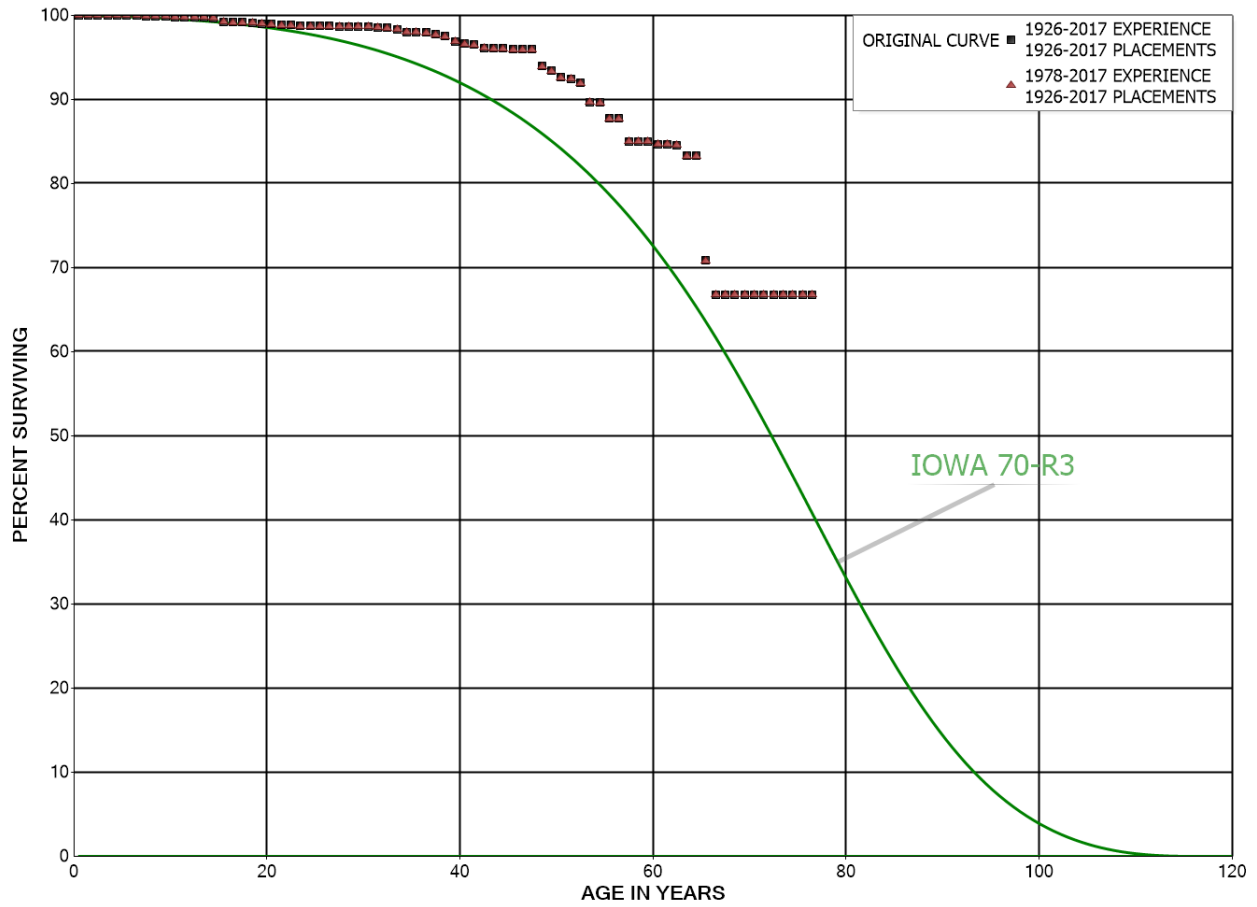
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ACCOUNT 314 TURBOGENERATOR UNITS  
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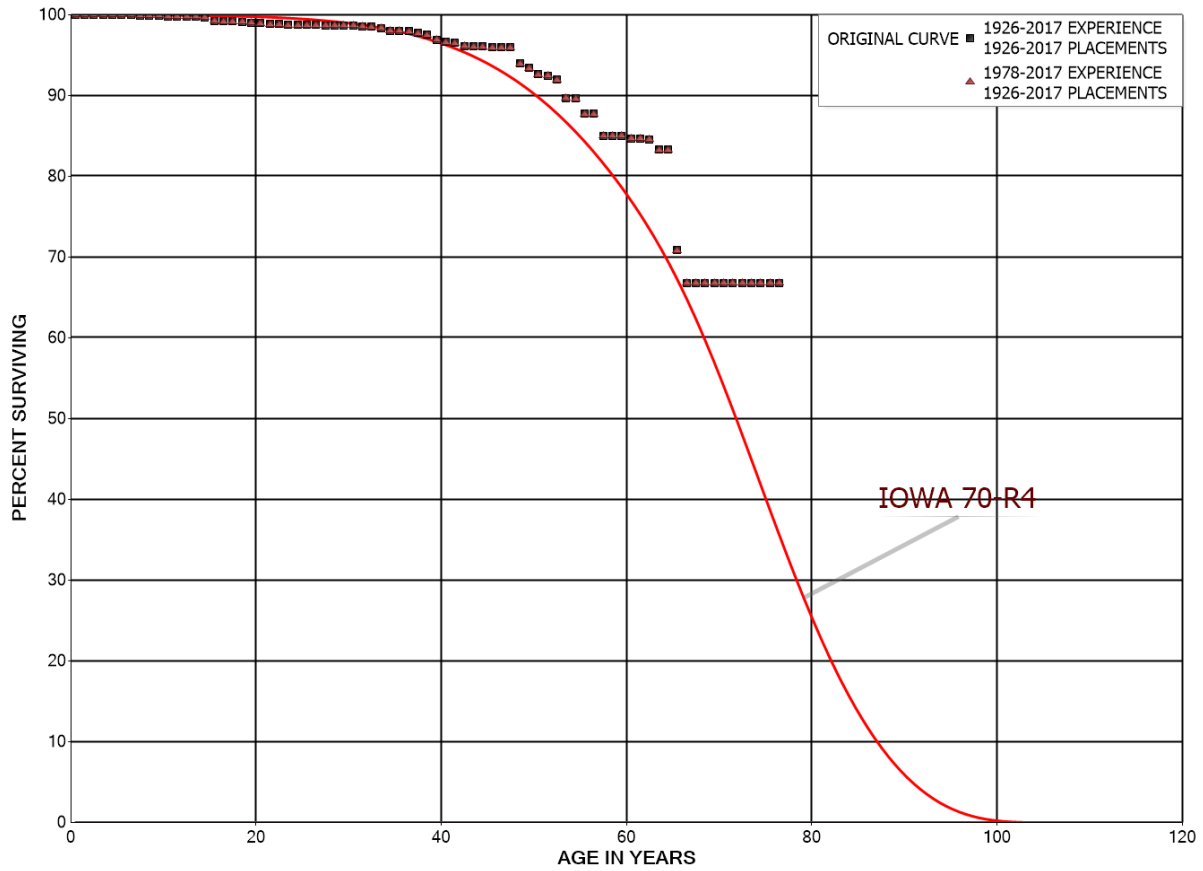


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ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
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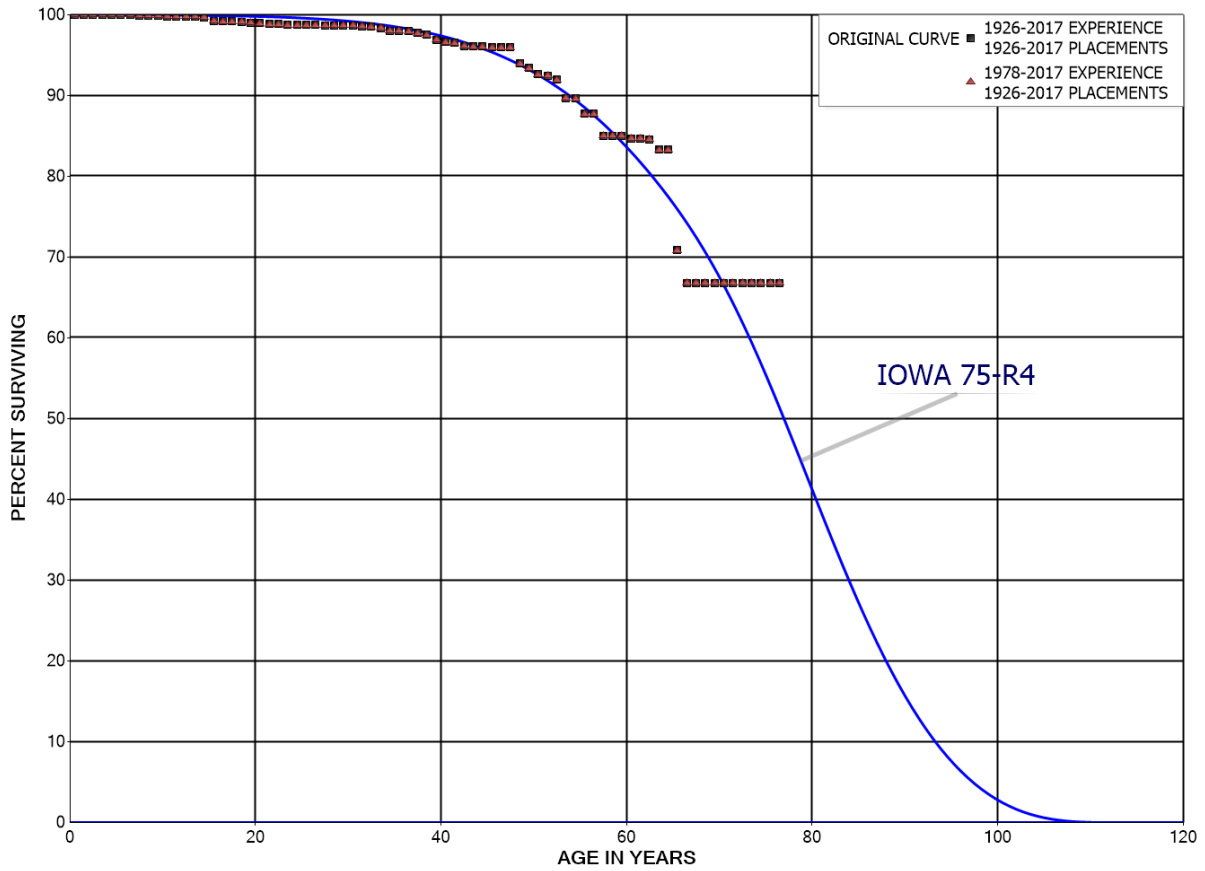




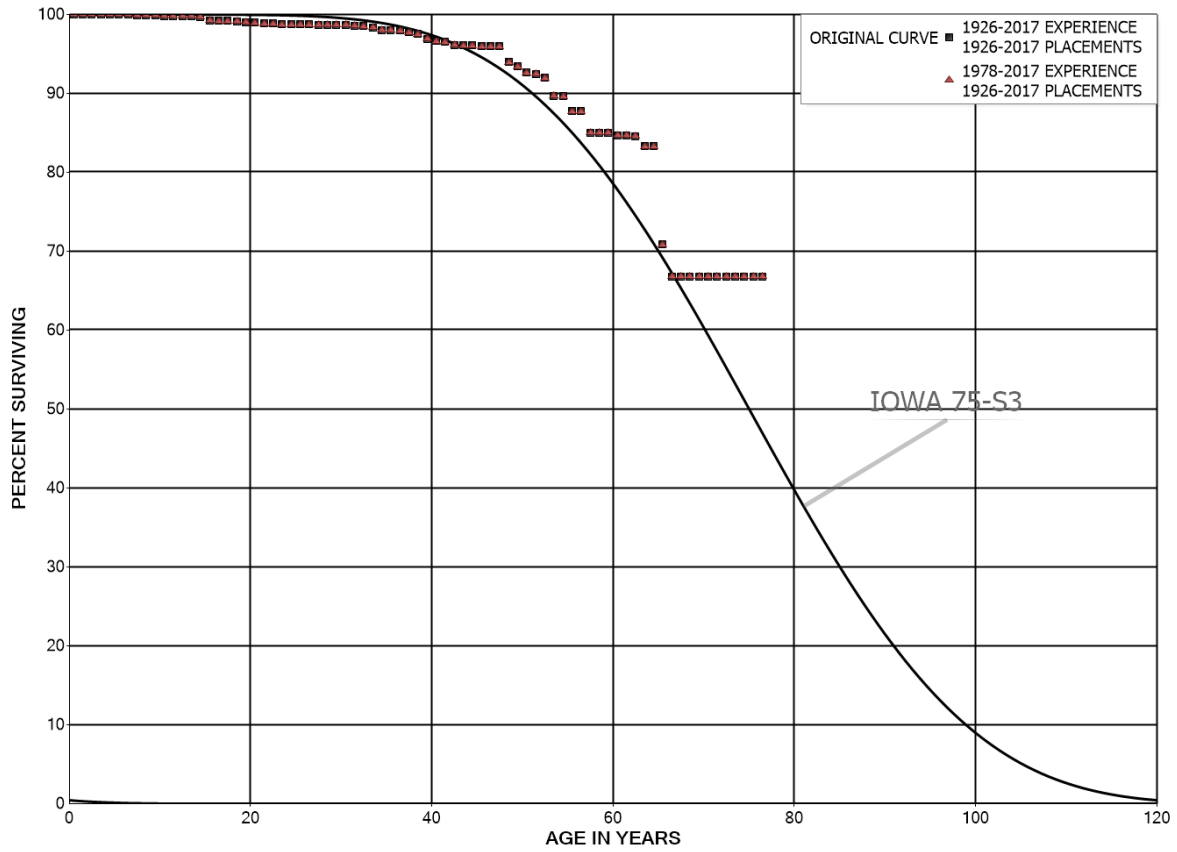
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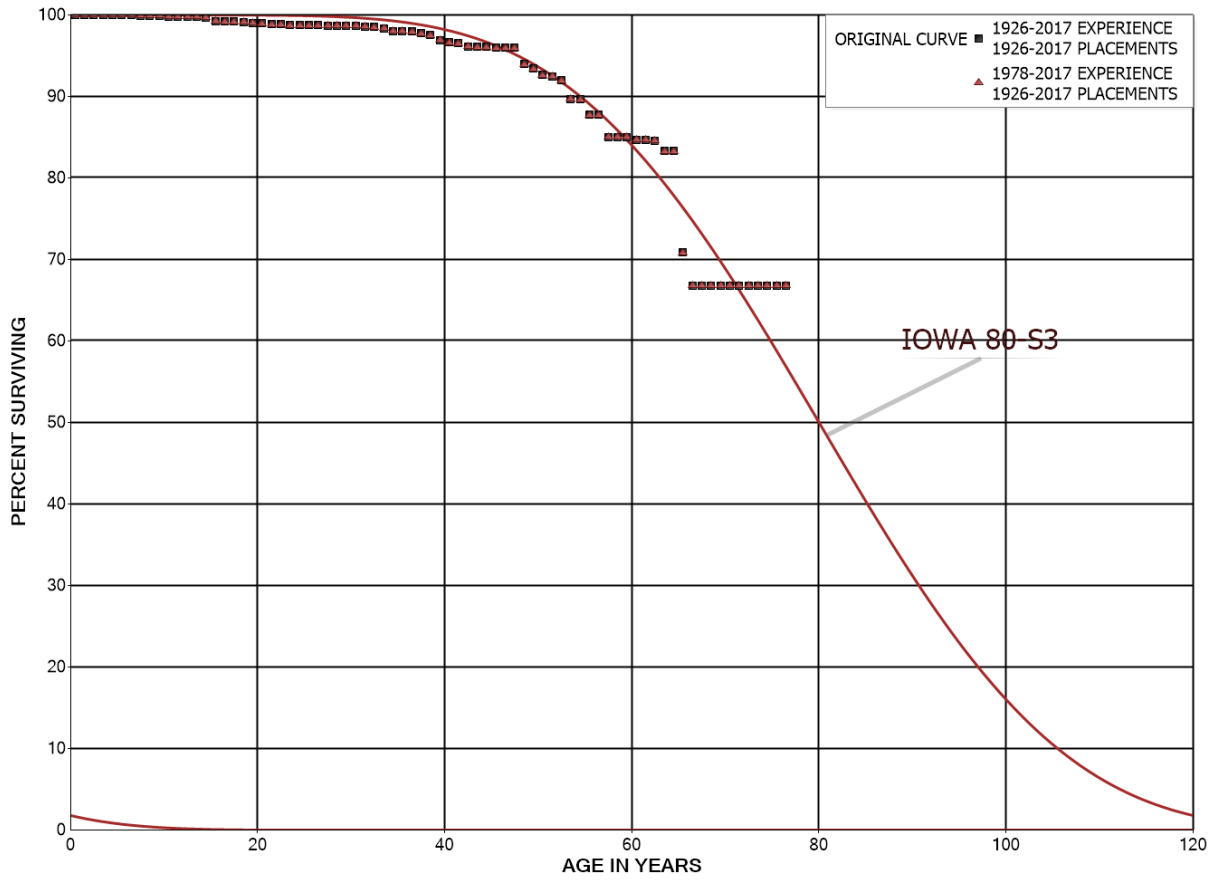
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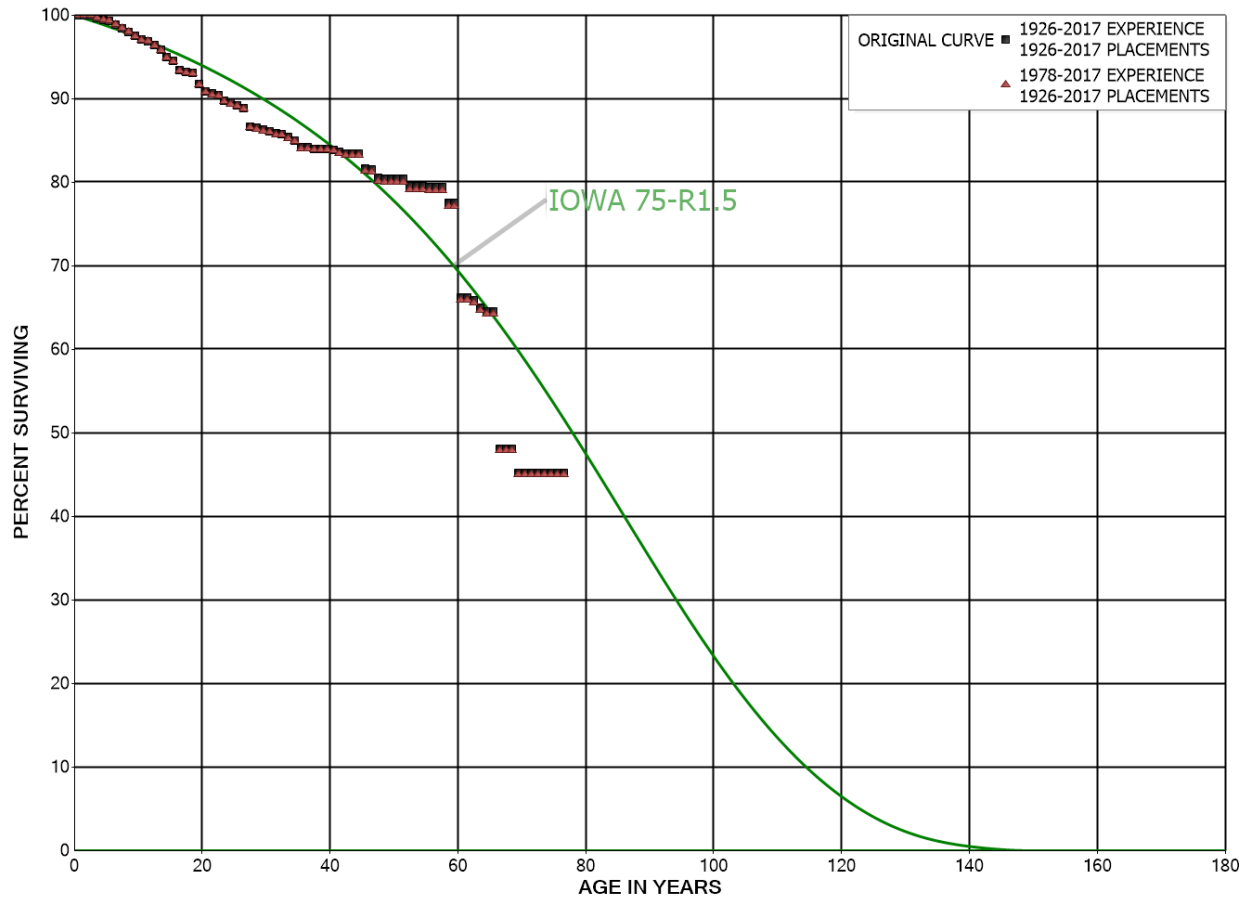
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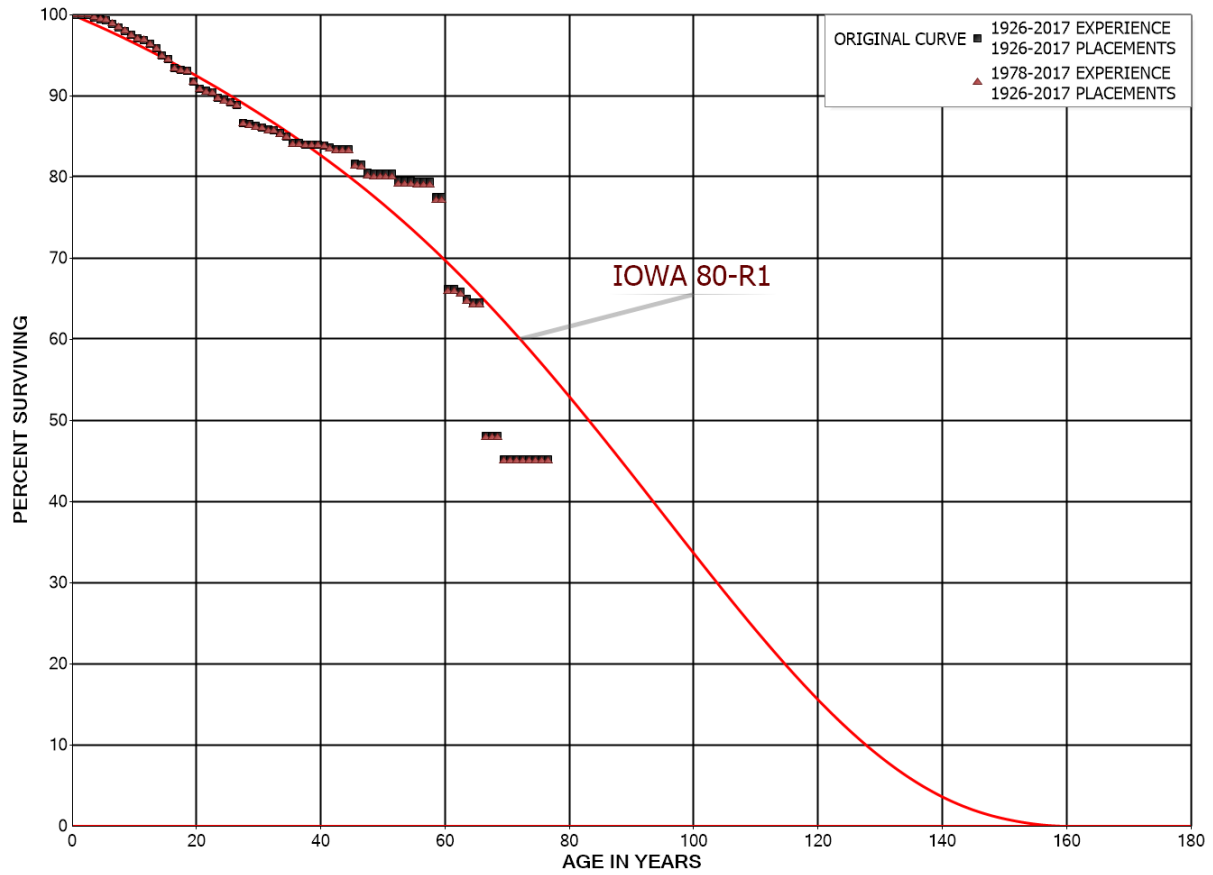
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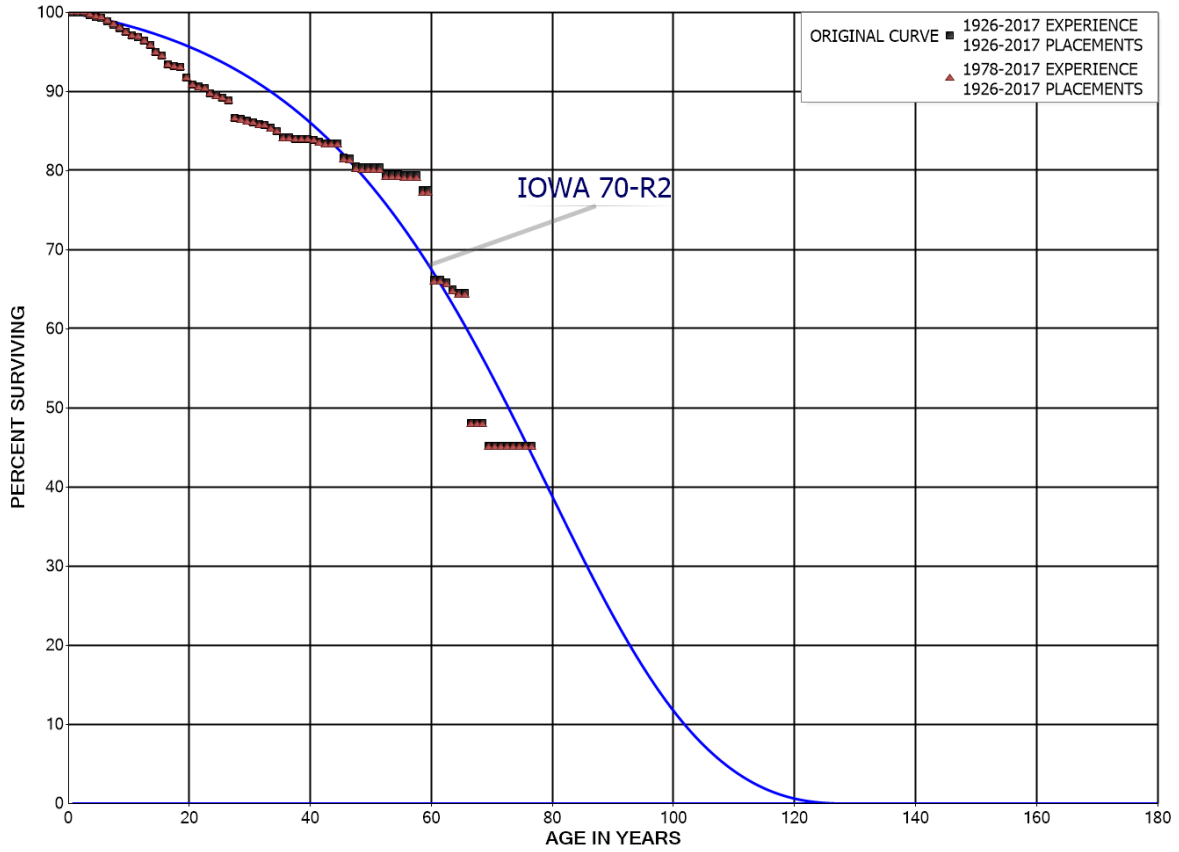
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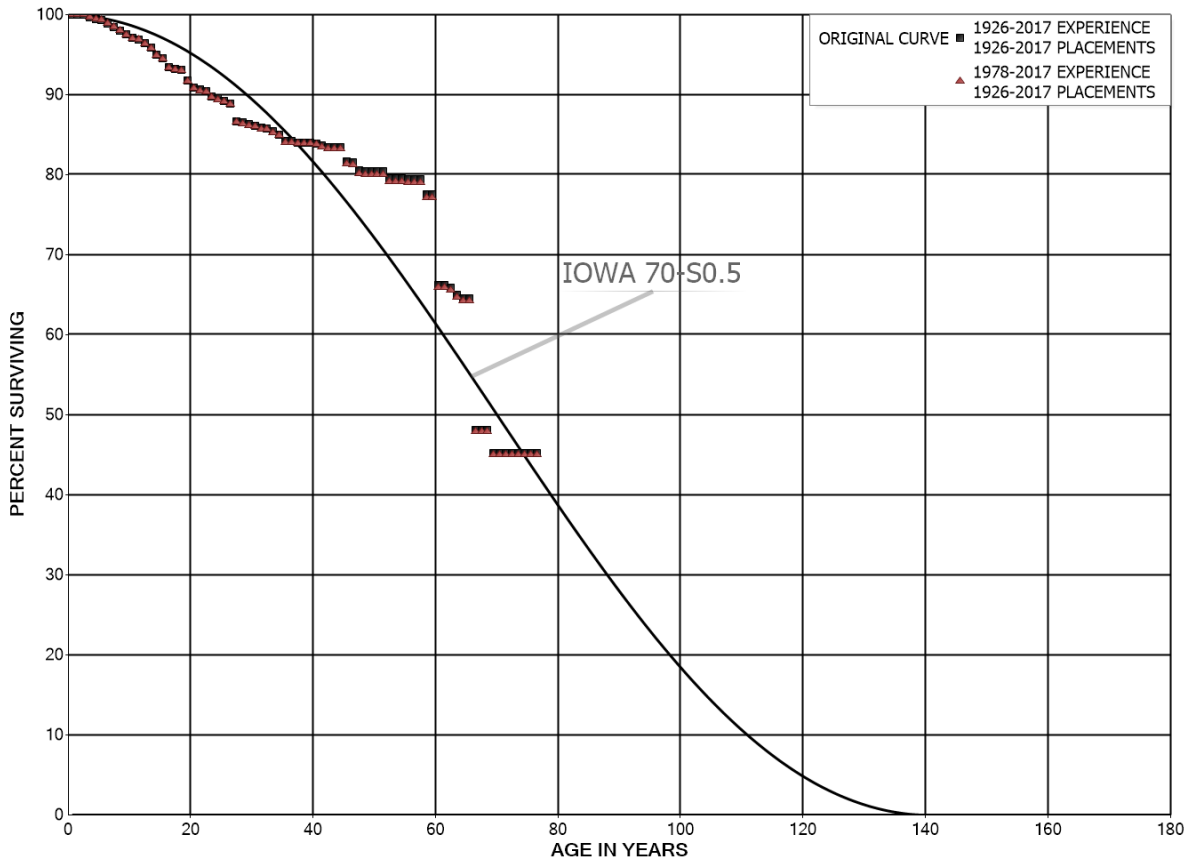
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ORIGINAL AND SMOOTH SURVIVOR CURVES

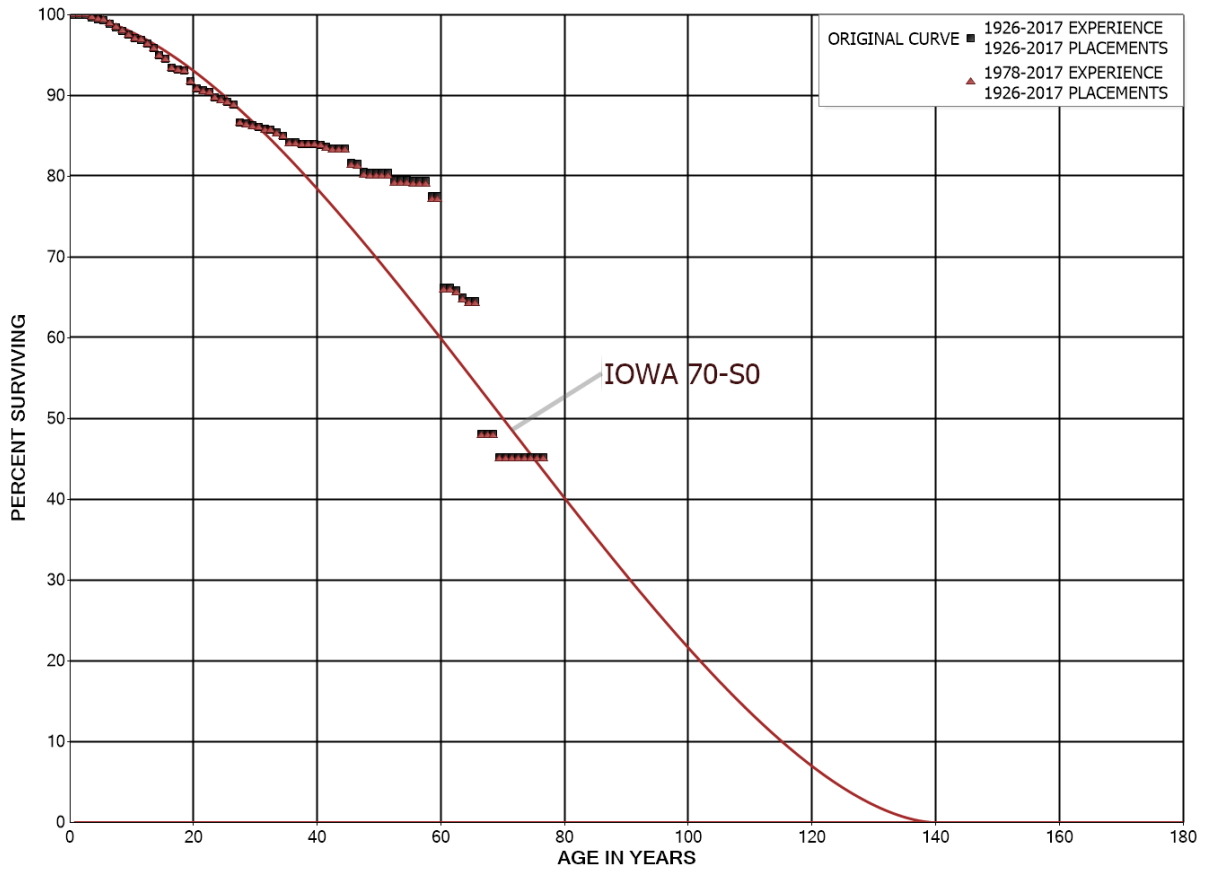


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STEAM GENERATION PLANT  
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ORIGINAL AND SMOOTH SURVIVOR CURVES





KENTUCKY UTILITIES COMPANY  
STEAM GENERATION PLANT  
ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 29**

**Responding Witness: Lonnie E. Bellar / John J. Spanos**

Q-29. Please refer to the probable retirement years for each plant shown on pages 36 and 37 of Exhibit JJS-KU-1.

- a. Please provide all supporting studies, analyses, and/or documents that justify these retirement dates.
- b. Please explain if the retirement dates shown here differ from those assumed with the currently approved depreciation rates.

A-29.

- a. See attached. The attached file explains the methodology that was used to derive the dates set forth in Exhibit JJS-KU-1, pages 36 and 37.
- b. See attached. The attached file sets forth the retirement date changes from those currently approved.

# Generation Services Engineering 2018 Steam Only Depreciation Study Evaluation

5/25/18

## Methodology

Many factors influence the end of life for a generating station. To complete this analysis the following assumptions were made regarding factors outside the direct technical evaluation:

- All necessary environmental permits and licenses will be maintained
- Future changes in environmental regulations are a consideration for unit retirement
- Units will continue to operate in a manner that is consistent with recent operating practices, with a similar number of annual starts and stops, and annual generation
- Units will continue to be operated in accordance with good industry practices with required renewals and replacements made in a timely manner

The steam generating units were reviewed at a high level and although many individual components could fail it was decided that those would not constitute an “end of life” event and could be mitigated. The boiler drum and turbine/generator were the two components/systems identified where catastrophic failure would be consideration for retirement.

Although the boiler is a complex system with many elements, the boiler drum is a large single component with approximately 240k hours of defined life and is significantly influenced by thermal cycling. Electric Power Research Institute (EPRI) studies indicate that after approximately 1,700 normal start/stop cycles the risk of a critical flaw developing is greatly increased.

The turbine/generator is a single system, whose failure could lead to significant downtime and repair/replacement costs. Several key factors are taken into consideration when evaluating the generator such as insulation type, winding age, recent inspection findings, and test results. Wear, cracking, and blade condition are key considerations for the turbine.

## Review

The depreciation review process conducted by Generation Engineering consisted of evaluating key parameters (i.e. pressures, temperatures, voltages etc..) with equipment condition (i.e. inspection data, EPRI, IEEE, etc..) to provide a risk based assessment regarding the likelihood of equipment failure as compared to industry norms.

### *Boiler*

EPRI states:

- A critical flaw size crack appears on average at around 30 years of service (240,000 hours).
- The average number of cycles of a coal drum unit is expected to be 1,700 normal starts/stops to drive a critical flaw to failure.
- Natural Circulation boilers are more susceptible to ligament cracking than are Forced Circulation boilers.

The boiler review included previous inspection reports and a review of design vs typical operating temperatures and pressures.

### *Generator*

Generators are regularly inspected and electrically tested. Those results were reviewed along with any other known issues. In most cases where the generator winding was beyond design life, no known issues have been observed and no concerns exist regarding condition.

### *Turbine*

Turbines are inspected on a routine basis with periodic repairs/overhauls to bring the unit to as designed operation. To-date, no issues have been observed which did not allow a return to as designed operation.

### **Summary**

Based on EPRI's research and the Generation Services Engineering review of units comparing their data, the boiler drum should not reduce the retirement year of each unit. While the EPRI "average end of drum life" for MC3 & MC4 are just short of the previous end of life depreciation study, the difference is not significant when considering these are typical and average numbers used from the analysis.

There are no known concerns regarding generator or turbine condition impacting unit end of life across the fleet.

No changes are recommended to existing unit retirement dates as identified in the 2015 study.

2018 Generation Services Engineering Depreciation Study  
(Steam Units Only)

Station	Unit	2018 Retirement Dates
MC	1	2032
MC	2	2034
MC	3	2038
MC	4	2042
TC	1	2050
TC	2	2066
BR	1	2019
BR	2	2019
BR	3	2035
GH	1	2034
GH	2	2034
GH	3	2037
GH	4	2038

KENTUCKY UTILITIES COMPANY

RETIREMENT DATE CHANGES

<u>LOCATION</u>	<u>APPROVED PROBABLE RETIREMENT DATE</u>	<u>PROPOSED PROBABLE RETIREMENT DATE</u>
BROWN UNIT 1	06-2023	02-2019
BROWN UNIT 2	06-2029	02-2019
TRIMBLE COUNTY UNIT 2 SCRUBBER ASH POND	06-2066	12-2023
GHENT UNIT 1 SCRUBBER ASH POND	06-2034	12-2020
GHENT UNIT 1 ASH POND	06-2034	12-2022
TYRONE UNIT 3 ASH POND	12-2015	12-2019
GREEN RIVER UNIT 3 ASH POND	12-2015	12-2019
PINEVILLE UNIT 3 ASH POND	12-2015	12-2019
BROWN UNIT 1 ASH POND	06-2023	12-2020
BROWN UNIT 2 ASH POND	06-2029	12-2020
BROWN UNIT 3 ASH POND	06-2035	12-2020
GHENT UNIT 4 ASH POND	06-2038	12-2021
GHENT UNIT 2 SCRUBBER ASH POND	06-2034	12-2020

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 30**

**Responding Witness: John J. Spanos**

- Q-30. Please provide Table 1 shown on pages 47 and 48 of Exhibit JJS-KU-1 in Microsoft Excel format with all formulas and links intact.
- A-30. See attachment being provided in Excel format.

The attachment is being provided in a separate file in Excel format.



**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 31**

**Responding Witness: John J. Spanos**

- Q-31. Please provide Table 2 shown on page 79 of Exhibit JJS-KU-1 in Microsoft Excel format with all formulas and links intact.
- A-31. See attachment being provided in Excel format.

The attachment is being provided in a separate file in Excel format.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 32**

**Responding Witness: John J. Spanos**

Q-32. Please refer to Table 1 shown on pages 47 and 48 of Exhibit JJS-KU-1. Regarding the level of "Book Depreciation Reserve" for each line item:

- a. Please explain if this is the actual Book Depreciation Reserve per KU's accounting records or if Mr. Spanos has performed a reallocation of book depreciation reserves.
- b. Please provide a workpaper in Microsoft Excel format, with all formulas and links intact, that shows the allocation of book depreciation reserve to each line item.

A-32.

- a. Mr. Spanos did not perform a reallocation of the book depreciation reserve, however, there were some needed reserve adjustments, which are shown in the attachment to subpart b.
- b. See attachment being provided in Excel format.

The attachment is being provided in a separate file in Excel format.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 33**

**Responding Witness: John J. Spanos**

Q-33. Page 40 of Exhibit JJS-KU-1 states, "The terminal net salvage estimates in the study were based on decommissioning costs assigned to comparable facilities." Please answer the following:

- a. Please identify these comparable facilities and provide the detailed engineering cost estimates that were performed to determine the decommissioning costs.
- b. Please provide a detailed narrative explaining how KU's facilities are comparable to the facilities identified in part a. above.

A-33.

- a. The decommissioning costs for comparable facilities are not available as these are proprietary to the individual utility. However, the decommissioning costs relate to facilities in Kentucky, North Carolina, Virginia, Indiana, Washington, South Dakota, Iowa, Oklahoma, Utah, Wyoming, Oregon, Colorado, Nevada, Idaho, Florida, Kansas and Missouri for recent studies.
- b. KU's steam facilities are comparable facilities to many of these facilities based on size, type of assets at the site, and the methodology expected to be utilized to decommission.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 34**

**Responding Witness: Lonnie E. Bellar / John J. Spanos**

- Q-34. Please refer to the direct testimony of Mr. Spanos at page 10, lines 17-22.
- a. Please provide the cost estimate, in its entirety, for the Cane Run Facility.
  - b. Please explain how this facility “is most similar to the remaining facilities to be dismantled.”
  - c. How does this \$40/kW estimate for dismantling compare to what is currently approved.
- A-34.
- a. KU does not own the Cane Run Facility. See LG&E’s response to US DOD 1-15(a).
  - b. The Cane Run facility is a coal generated steam plant of similar age and maintained similar size and similar effort to dismantle based on current dismantlement practices. The cost to dismantle Cane Run is higher per \$/kW than the estimates of the other KU steam facilities.
  - c. The currently approved estimate of terminal net salvage was determined based on a settlement which did not specifically define the \$/kW level. However, the proposed \$40/kW is higher than the level of terminal net salvage included in the approved depreciation accrual rates.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 35**

**Responding Witness: John J. Spanos**

- Q-35. Please refer to the direct testimony of Mr. Spanos at page 11, lines 5-6. Please explain exactly what level of terminal net salvage is currently included in the net salvage percentages.
- A-35. The level of terminal net salvage was not specifically defined in the approved depreciation accrual rates in Case No. 2016-00370. However, the settlement agreed to calculate the terminal net salvage in total as 2% for each location.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 36**

**Responding Witness: Christopher M. Garrett / John J. Spanos**

Q-36. Please explain why KU is only filing a depreciation rate study for its Steam Production accounts.

A-36. Given the recent announcement regarding the retirement of Brown Units 1 and 2 along with the aging coal fleet, the Companies felt it was appropriate that their steam depreciation rates be updated to help avoid future intergenerational inequities.

As discussed in Mr. Spanos's testimony, many utilities' assets have long physical lives, however, service lives are driven by more than physical characteristics. In the case of steam assets, and particularly coal assets, review of depreciation rates need to be updated more frequently due to regulations. A clear example of this need to more frequently update steam depreciation rates can be evidenced by the recently announced retirement of Brown Units 1 and 2 whereby it was determined to be more economical to retire the units than invest in additional environmental controls. More frequent updates are very common in the industry, in particular with the coal environment.

The Company believes the rates for the other functional classes of property as approved in the previous rate case remain at appropriate levels and largely avoid future intergenerational inequities.



**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 37**

**Responding Witness: Christopher M. Garrett**

- Q-37. Please explain when KU last filed a depreciation study for its hydro production, other production, transmission, distribution, and general plant accounts. Additionally, please provide the additional depreciation studies that support the currently approved depreciation rates for these other groups of assets.
- A-37. KU filed a depreciation study for these functional classes of property in 2016. Refer to the previous depreciation study on file with the Commission in Case No. 2016-00370, *In the Matter of: Application of Kentucky Utilities Company for an Adjustment of its Electric Rates and for Certificates of Public Convenience and Necessity*.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 38**

**Responding Witness: William Steven Seelye**

- Q-38. Please provide a proof of revenues in a Microsoft Excel format with all formulas and links intact which shows the current and proposed revenue for the Time-of-Day Secondary, Time-of-Day Primary and Retail Transmission Service.
- A-38. The proof of revenues in Excel was provided in the file labeled Att\_KU\_PSC\_1-53\_ElecScheduleM\_Forecasted.xlsx provided in the response to PSC 1-53.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 39**

**Responding Witness: William Steven Seelye**

- Q-39. Please provide all workpapers in Microsoft Excel format with all formulas and links intact that support KU's cost of service and rate design testimony and exhibits.
- A-39. All workpapers that support KU's cost of service and rate design were filed as attachments to the responses to PSC 1-53 and AG 1-137.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 40**

**Responding Witness: William Steven Seelye**

Q-40. Regarding the proposed Time-of-Day Primary Service rate ("TODP"), please provide the following:

- a. All workpapers supporting the development of the proposed energy charge of \$.03161/kWh.
- b. Identify all costs that are included in the proposed energy charge.
- c. All workpapers supporting the peak demand charge of \$7.79/kVA.
- d. Identify the cost that the charge of \$7.79/kVA is expected to recover.
- e. All workpapers supporting the development of the intermediate demand charge of \$6.16/kVA.
- f. Identify the cost that the charge of \$6.16/kVA is expected to recover.
- g. All workpapers supporting the development of the base demand charge of \$2.87/kVA.
- h. Identify the cost that the charge of \$2.87/kVA is expected to recover.

A-40.

- a. See the Excel attachment to the response to Kroger-Walmart 1-3. The tab labeled "TODP Unit Costs" provides all of the cost information that was used in the development of the rate for TODP.
- b. The proposed energy charge is designed to collect only energy-related costs (variable costs) allocated to the TODP class of customers in the Cost of Service Study.
- c. See the response to part a.

- d. The \$7.79/kVA Maximum Load Charge for the Peak Demand Period and the \$6.16/kVA Maximum Load Charge for the Intermediate Demand Period are designed to recover fixed production demand-related costs.
- e. See the response to part a.
- f. See the response to part d.
- g. See the response to part a.
- h. The \$2.87/kVA Maximum Load Charge for the Base Demand Period is expected to recover fixed transmission and distribution demand-related costs.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 41**

**Responding Witness: William Steven Seelye**

Q-41. Please provide a copy of the cost of service studies in Microsoft Excel format with all formulas intact referenced on page 71, line 12, of William Seelye's direct testimony.

A-41. See the following Excel attachment to the response to PSC 1-53:  
Att\_KU\_PSC\_1-53\_Exhibit\_WSS-26\_WSS-28\_KU\_COSS\_Functional\_Assgmt\_and\_Class\_Alloc.xlsx.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 42**

**Responding Witness: William Steven Seelye**

- Q-42. All workpapers showing the development of the production allocators for both fixed and variable costs used in the cost of service study.
- A-42. See the Excel attachments to the response to AG 1-137.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 43**

**Responding Witness: William Steven Seelye**

- Q-43. Please explain how purchased power costs were allocated to the various rate classes and provide workpapers showing the development of the allocators used to allocate purchased power expense to the various rate classes.
- A-43. Demand-related purchased power costs are allocated on the basis of each class's load-weighted LOLP, and Energy-related purchased power costs are allocated on the basis of energy sales to each customer class. See the Excel attachment to the response to AG 1-137, part b, for the workpapers developing the LOLP demand allocator. The energy allocator is developed from forecasted energy sales grossed up for energy losses, as shown in the Excel attachment to the response to PSC 1-53 named Att\_KU\_PSC\_1-53\_ElecScheduleM\_Forecasted.xlsx, tab Sch M 2.3 (2).



**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 44**

**Responding Witness: William Steven Seelye / David S. Sinclair**

- Q-44. Please provide the LOLP and the related hourly demands for each hour used to allocate fixed production costs in the cost of service.
- A-44. See the Excel attachments to the response to AG 1-137.

**KENTUCKY UTILITIES COMPANY**

**Response to First Request for Information of the U. S. Department of Defense  
Dated November 13, 2018**

**Case No. 2018-00294**

**Question No. 45**

**Responding Witness: David S. Sinclair**

Q-45. Please provide the hourly load data for KU for the previous three years.

A-45. See attached.

**Case No. 2018-00294**  
**Attachment 1 to Response to DOD-1 Question No. 45**  
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Datetime	Year	Month	Day	Hour	KU Load
1/1/2015 0:00	2015	1	1	0	2,823
1/1/2015 1:00	2015	1	1	1	2,794
1/1/2015 2:00	2015	1	1	2	2,788
1/1/2015 3:00	2015	1	1	3	2,816
1/1/2015 4:00	2015	1	1	4	2,835
1/1/2015 5:00	2015	1	1	5	2,880
1/1/2015 6:00	2015	1	1	6	2,942
1/1/2015 7:00	2015	1	1	7	2,981
1/1/2015 8:00	2015	1	1	8	2,961
1/1/2015 9:00	2015	1	1	9	2,948
1/1/2015 10:00	2015	1	1	10	2,939
1/1/2015 11:00	2015	1	1	11	2,886
1/1/2015 12:00	2015	1	1	12	2,827
1/1/2015 13:00	2015	1	1	13	2,687
1/1/2015 14:00	2015	1	1	14	2,583
1/1/2015 15:00	2015	1	1	15	2,525
1/1/2015 16:00	2015	1	1	16	2,607
1/1/2015 17:00	2015	1	1	17	2,733
1/1/2015 18:00	2015	1	1	18	2,829
1/1/2015 19:00	2015	1	1	19	2,803
1/1/2015 20:00	2015	1	1	20	2,738
1/1/2015 21:00	2015	1	1	21	2,710
1/1/2015 22:00	2015	1	1	22	2,586
1/1/2015 23:00	2015	1	1	23	2,458
1/2/2015 0:00	2015	1	2	0	2,421
1/2/2015 1:00	2015	1	2	1	2,372
1/2/2015 2:00	2015	1	2	2	2,313
1/2/2015 3:00	2015	1	2	3	2,338
1/2/2015 4:00	2015	1	2	4	2,329
1/2/2015 5:00	2015	1	2	5	2,407
1/2/2015 6:00	2015	1	2	6	2,569
1/2/2015 7:00	2015	1	2	7	2,672
1/2/2015 8:00	2015	1	2	8	2,740
1/2/2015 9:00	2015	1	2	9	2,757
1/2/2015 10:00	2015	1	2	10	2,867
1/2/2015 11:00	2015	1	2	11	2,841
1/2/2015 12:00	2015	1	2	12	2,832
1/2/2015 13:00	2015	1	2	13	2,775
1/2/2015 14:00	2015	1	2	14	2,745
1/2/2015 15:00	2015	1	2	15	2,718
1/2/2015 16:00	2015	1	2	16	2,683

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1/2/2015 17:00	2015	1	2	17	2,792
1/2/2015 18:00	2015	1	2	18	2,835
1/2/2015 19:00	2015	1	2	19	2,741
1/2/2015 20:00	2015	1	2	20	2,735
1/2/2015 21:00	2015	1	2	21	2,669
1/2/2015 22:00	2015	1	2	22	2,573
1/2/2015 23:00	2015	1	2	23	2,432
1/3/2015 0:00	2015	1	3	0	2,355
1/3/2015 1:00	2015	1	3	1	2,257
1/3/2015 2:00	2015	1	3	2	2,229
1/3/2015 3:00	2015	1	3	3	2,177
1/3/2015 4:00	2015	1	3	4	2,223
1/3/2015 5:00	2015	1	3	5	2,224
1/3/2015 6:00	2015	1	3	6	2,224
1/3/2015 7:00	2015	1	3	7	2,352
1/3/2015 8:00	2015	1	3	8	2,348
1/3/2015 9:00	2015	1	3	9	2,384
1/3/2015 10:00	2015	1	3	10	2,317
1/3/2015 11:00	2015	1	3	11	2,342
1/3/2015 12:00	2015	1	3	12	2,273
1/3/2015 13:00	2015	1	3	13	2,240
1/3/2015 14:00	2015	1	3	14	2,242
1/3/2015 15:00	2015	1	3	15	2,191
1/3/2015 16:00	2015	1	3	16	2,242
1/3/2015 17:00	2015	1	3	17	2,294
1/3/2015 18:00	2015	1	3	18	2,325
1/3/2015 19:00	2015	1	3	19	2,239
1/3/2015 20:00	2015	1	3	20	2,222
1/3/2015 21:00	2015	1	3	21	2,157
1/3/2015 22:00	2015	1	3	22	2,007
1/3/2015 23:00	2015	1	3	23	1,915
1/4/2015 0:00	2015	1	4	0	1,875
1/4/2015 1:00	2015	1	4	1	1,775
1/4/2015 2:00	2015	1	4	2	1,740
1/4/2015 3:00	2015	1	4	3	1,739
1/4/2015 4:00	2015	1	4	4	1,694
1/4/2015 5:00	2015	1	4	5	1,757
1/4/2015 6:00	2015	1	4	6	1,810
1/4/2015 7:00	2015	1	4	7	1,893
1/4/2015 8:00	2015	1	4	8	1,932
1/4/2015 9:00	2015	1	4	9	2,133
1/4/2015 10:00	2015	1	4	10	2,130

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1/4/2015 11:00	2015	1	4	11	2,199
1/4/2015 12:00	2015	1	4	12	2,269
1/4/2015 13:00	2015	1	4	13	2,287
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1/4/2015 17:00	2015	1	4	17	2,630
1/4/2015 18:00	2015	1	4	18	2,740
1/4/2015 19:00	2015	1	4	19	2,733
1/4/2015 20:00	2015	1	4	20	2,704
1/4/2015 21:00	2015	1	4	21	2,731
1/4/2015 22:00	2015	1	4	22	2,658
1/4/2015 23:00	2015	1	4	23	2,652
1/5/2015 0:00	2015	1	5	0	2,637
1/5/2015 1:00	2015	1	5	1	2,656
1/5/2015 2:00	2015	1	5	2	2,736
1/5/2015 3:00	2015	1	5	3	2,774
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1/5/2015 5:00	2015	1	5	5	3,116
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1/5/2015 7:00	2015	1	5	7	3,726
1/5/2015 8:00	2015	1	5	8	3,740
1/5/2015 9:00	2015	1	5	9	3,671
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1/5/2015 13:00	2015	1	5	13	3,302
1/5/2015 14:00	2015	1	5	14	3,181
1/5/2015 15:00	2015	1	5	15	3,232
1/5/2015 16:00	2015	1	5	16	3,227
1/5/2015 17:00	2015	1	5	17	3,389
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1/5/2015 21:00	2015	1	5	21	3,515
1/5/2015 22:00	2015	1	5	22	3,361
1/5/2015 23:00	2015	1	5	23	3,258
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1/6/2015 1:00	2015	1	6	1	3,067
1/6/2015 2:00	2015	1	6	2	2,966
1/6/2015 3:00	2015	1	6	3	2,898
1/6/2015 4:00	2015	1	6	4	2,936

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1/6/2015 5:00	2015	1	6	5	3,092
1/6/2015 6:00	2015	1	6	6	3,356
1/6/2015 7:00	2015	1	6	7	3,602
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1/6/2015 9:00	2015	1	6	9	3,532
1/6/2015 10:00	2015	1	6	10	3,453
1/6/2015 11:00	2015	1	6	11	3,413
1/6/2015 12:00	2015	1	6	12	3,363
1/6/2015 13:00	2015	1	6	13	3,230
1/6/2015 14:00	2015	1	6	14	3,154
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1/6/2015 21:00	2015	1	6	21	3,376
1/6/2015 22:00	2015	1	6	22	3,237
1/6/2015 23:00	2015	1	6	23	3,207
1/7/2015 0:00	2015	1	7	0	3,114
1/7/2015 1:00	2015	1	7	1	3,068
1/7/2015 2:00	2015	1	7	2	3,022
1/7/2015 3:00	2015	1	7	3	3,047
1/7/2015 4:00	2015	1	7	4	3,161
1/7/2015 5:00	2015	1	7	5	3,304
1/7/2015 6:00	2015	1	7	6	3,627
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1/7/2015 12:00	2015	1	7	12	4,024
1/7/2015 13:00	2015	1	7	13	4,063
1/7/2015 14:00	2015	1	7	14	3,991
1/7/2015 15:00	2015	1	7	15	4,065
1/7/2015 16:00	2015	1	7	16	4,091
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1/7/2015 22:00	2015	1	7	22	4,310

1/7/2015 23:00	2015	1	7	23	4,287
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1/8/2015 1:00	2015	1	8	1	4,265
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1/8/2015 3:00	2015	1	8	3	4,205
1/8/2015 4:00	2015	1	8	4	4,261
1/8/2015 5:00	2015	1	8	5	4,449
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1/8/2015 7:00	2015	1	8	7	4,860
1/8/2015 8:00	2015	1	8	8	4,847
1/8/2015 9:00	2015	1	8	9	4,718
1/8/2015 10:00	2015	1	8	10	4,569
1/8/2015 11:00	2015	1	8	11	4,442
1/8/2015 12:00	2015	1	8	12	4,281
1/8/2015 13:00	2015	1	8	13	4,133
1/8/2015 14:00	2015	1	8	14	4,086
1/8/2015 15:00	2015	1	8	15	4,031
1/8/2015 16:00	2015	1	8	16	3,981
1/8/2015 17:00	2015	1	8	17	4,043
1/8/2015 18:00	2015	1	8	18	4,142
1/8/2015 19:00	2015	1	8	19	4,020
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1/8/2015 21:00	2015	1	8	21	3,805
1/8/2015 22:00	2015	1	8	22	3,642
1/8/2015 23:00	2015	1	8	23	3,503
1/9/2015 0:00	2015	1	9	0	3,405
1/9/2015 1:00	2015	1	9	1	3,326
1/9/2015 2:00	2015	1	9	2	3,292
1/9/2015 3:00	2015	1	9	3	3,262
1/9/2015 4:00	2015	1	9	4	3,280
1/9/2015 5:00	2015	1	9	5	3,373
1/9/2015 6:00	2015	1	9	6	3,586
1/9/2015 7:00	2015	1	9	7	3,731
1/9/2015 8:00	2015	1	9	8	3,804
1/9/2015 9:00	2015	1	9	9	3,792
1/9/2015 10:00	2015	1	9	10	3,770
1/9/2015 11:00	2015	1	9	11	3,651
1/9/2015 12:00	2015	1	9	12	3,589
1/9/2015 13:00	2015	1	9	13	3,475
1/9/2015 14:00	2015	1	9	14	3,428
1/9/2015 15:00	2015	1	9	15	3,342
1/9/2015 16:00	2015	1	9	16	3,405

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1/9/2015 17:00	2015	1	9	17	3,604
1/9/2015 18:00	2015	1	9	18	3,778
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1/9/2015 21:00	2015	1	9	21	3,856
1/9/2015 22:00	2015	1	9	22	3,771
1/9/2015 23:00	2015	1	9	23	3,718
1/10/2015 0:00	2015	1	10	0	3,682
1/10/2015 1:00	2015	1	10	1	3,668
1/10/2015 2:00	2015	1	10	2	3,696
1/10/2015 3:00	2015	1	10	3	3,727
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1/10/2015 5:00	2015	1	10	5	3,926
1/10/2015 6:00	2015	1	10	6	4,005
1/10/2015 7:00	2015	1	10	7	4,159
1/10/2015 8:00	2015	1	10	8	4,261
1/10/2015 9:00	2015	1	10	9	4,051
1/10/2015 10:00	2015	1	10	10	3,913
1/10/2015 11:00	2015	1	10	11	3,673
1/10/2015 12:00	2015	1	10	12	3,508
1/10/2015 13:00	2015	1	10	13	3,292
1/10/2015 14:00	2015	1	10	14	3,131
1/10/2015 15:00	2015	1	10	15	2,986
1/10/2015 16:00	2015	1	10	16	3,016
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1/10/2015 18:00	2015	1	10	18	3,432
1/10/2015 19:00	2015	1	10	19	3,451
1/10/2015 20:00	2015	1	10	20	3,530
1/10/2015 21:00	2015	1	10	21	3,549
1/10/2015 22:00	2015	1	10	22	3,484
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1/11/2015 0:00	2015	1	11	0	3,335
1/11/2015 1:00	2015	1	11	1	3,304
1/11/2015 2:00	2015	1	11	2	3,284
1/11/2015 3:00	2015	1	11	3	3,226
1/11/2015 4:00	2015	1	11	4	3,187
1/11/2015 5:00	2015	1	11	5	3,172
1/11/2015 6:00	2015	1	11	6	3,190
1/11/2015 7:00	2015	1	11	7	3,216
1/11/2015 8:00	2015	1	11	8	3,199
1/11/2015 9:00	2015	1	11	9	3,207
1/11/2015 10:00	2015	1	11	10	3,066



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1/11/2015 11:00	2015	1	11	11	2,985
1/11/2015 12:00	2015	1	11	12	2,896
1/11/2015 13:00	2015	1	11	13	2,800
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1/11/2015 16:00	2015	1	11	16	2,776
1/11/2015 17:00	2015	1	11	17	2,899
1/11/2015 18:00	2015	1	11	18	2,965
1/11/2015 19:00	2015	1	11	19	2,939
1/11/2015 20:00	2015	1	11	20	2,916
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1/12/2015 10:00	2015	1	12	10	3,151
1/12/2015 11:00	2015	1	12	11	3,123
1/12/2015 12:00	2015	1	12	12	3,083
1/12/2015 13:00	2015	1	12	13	3,085
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1/12/2015 15:00	2015	1	12	15	3,087
1/12/2015 16:00	2015	1	12	16	3,113
1/12/2015 17:00	2015	1	12	17	3,212
1/12/2015 18:00	2015	1	12	18	3,306
1/12/2015 19:00	2015	1	12	19	3,284
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1/12/2015 23:00	2015	1	12	23	3,006
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1/13/2015 3:00	2015	1	13	3	2,859
1/13/2015 4:00	2015	1	13	4	2,916

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1/13/2015 5:00	2015	1	13	5	3,074
1/13/2015 6:00	2015	1	13	6	3,328
1/13/2015 7:00	2015	1	13	7	3,533
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1/13/2015 10:00	2015	1	13	10	3,584
1/13/2015 11:00	2015	1	13	11	3,574
1/13/2015 12:00	2015	1	13	12	3,569
1/13/2015 13:00	2015	1	13	13	3,540
1/13/2015 14:00	2015	1	13	14	3,509
1/13/2015 15:00	2015	1	13	15	3,486
1/13/2015 16:00	2015	1	13	16	3,494
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1/13/2015 18:00	2015	1	13	18	3,634
1/13/2015 19:00	2015	1	13	19	3,642
1/13/2015 20:00	2015	1	13	20	3,576
1/13/2015 21:00	2015	1	13	21	3,470
1/13/2015 22:00	2015	1	13	22	3,345
1/13/2015 23:00	2015	1	13	23	3,195
1/14/2015 0:00	2015	1	14	0	3,109
1/14/2015 1:00	2015	1	14	1	3,029
1/14/2015 2:00	2015	1	14	2	2,919
1/14/2015 3:00	2015	1	14	3	2,962
1/14/2015 4:00	2015	1	14	4	2,977
1/14/2015 5:00	2015	1	14	5	3,117
1/14/2015 6:00	2015	1	14	6	3,376
1/14/2015 7:00	2015	1	14	7	3,540
1/14/2015 8:00	2015	1	14	8	3,624
1/14/2015 9:00	2015	1	14	9	3,584
1/14/2015 10:00	2015	1	14	10	3,627
1/14/2015 11:00	2015	1	14	11	3,582
1/14/2015 12:00	2015	1	14	12	3,542
1/14/2015 13:00	2015	1	14	13	3,423
1/14/2015 14:00	2015	1	14	14	3,386
1/14/2015 15:00	2015	1	14	15	3,299
1/14/2015 16:00	2015	1	14	16	3,251
1/14/2015 17:00	2015	1	14	17	3,391
1/14/2015 18:00	2015	1	14	18	3,550
1/14/2015 19:00	2015	1	14	19	3,553
1/14/2015 20:00	2015	1	14	20	3,526
1/14/2015 21:00	2015	1	14	21	3,463
1/14/2015 22:00	2015	1	14	22	3,353

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1/14/2015 23:00	2015	1	14	23	3,189
1/15/2015 0:00	2015	1	15	0	3,080
1/15/2015 1:00	2015	1	15	1	2,985
1/15/2015 2:00	2015	1	15	2	2,966
1/15/2015 3:00	2015	1	15	3	2,936
1/15/2015 4:00	2015	1	15	4	2,984
1/15/2015 5:00	2015	1	15	5	3,142
1/15/2015 6:00	2015	1	15	6	3,414
1/15/2015 7:00	2015	1	15	7	3,555
1/15/2015 8:00	2015	1	15	8	3,503
1/15/2015 9:00	2015	1	15	9	3,539
1/15/2015 10:00	2015	1	15	10	3,478
1/15/2015 11:00	2015	1	15	11	3,430
1/15/2015 12:00	2015	1	15	12	3,374
1/15/2015 13:00	2015	1	15	13	3,341
1/15/2015 14:00	2015	1	15	14	3,246
1/15/2015 15:00	2015	1	15	15	3,273
1/15/2015 16:00	2015	1	15	16	3,196
1/15/2015 17:00	2015	1	15	17	3,282
1/15/2015 18:00	2015	1	15	18	3,435
1/15/2015 19:00	2015	1	15	19	3,448
1/15/2015 20:00	2015	1	15	20	3,445
1/15/2015 21:00	2015	1	15	21	3,333
1/15/2015 22:00	2015	1	15	22	3,285
1/15/2015 23:00	2015	1	15	23	3,165
1/16/2015 0:00	2015	1	16	0	3,019
1/16/2015 1:00	2015	1	16	1	3,028
1/16/2015 2:00	2015	1	16	2	3,031
1/16/2015 3:00	2015	1	16	3	2,984
1/16/2015 4:00	2015	1	16	4	3,074
1/16/2015 5:00	2015	1	16	5	3,220
1/16/2015 6:00	2015	1	16	6	3,425
1/16/2015 7:00	2015	1	16	7	3,651
1/16/2015 8:00	2015	1	16	8	3,627
1/16/2015 9:00	2015	1	16	9	3,561
1/16/2015 10:00	2015	1	16	10	3,338
1/16/2015 11:00	2015	1	16	11	3,232
1/16/2015 12:00	2015	1	16	12	3,025
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1/16/2015 15:00	2015	1	16	15	2,680
1/16/2015 16:00	2015	1	16	16	2,659

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1/16/2015 17:00	2015	1	16	17	2,732
1/16/2015 18:00	2015	1	16	18	2,955
1/16/2015 19:00	2015	1	16	19	2,997
1/16/2015 20:00	2015	1	16	20	3,088
1/16/2015 21:00	2015	1	16	21	3,036
1/16/2015 22:00	2015	1	16	22	2,959
1/16/2015 23:00	2015	1	16	23	2,902
1/17/2015 0:00	2015	1	17	0	2,851
1/17/2015 1:00	2015	1	17	1	2,784
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1/17/2015 4:00	2015	1	17	4	2,784
1/17/2015 5:00	2015	1	17	5	2,837
1/17/2015 6:00	2015	1	17	6	2,962
1/17/2015 7:00	2015	1	17	7	3,070
1/17/2015 8:00	2015	1	17	8	3,097
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1/17/2015 10:00	2015	1	17	10	2,862
1/17/2015 11:00	2015	1	17	11	2,752
1/17/2015 12:00	2015	1	17	12	2,563
1/17/2015 13:00	2015	1	17	13	2,440
1/17/2015 14:00	2015	1	17	14	2,389
1/17/2015 15:00	2015	1	17	15	2,327
1/17/2015 16:00	2015	1	17	16	2,258
1/17/2015 17:00	2015	1	17	17	2,376
1/17/2015 18:00	2015	1	17	18	2,578
1/17/2015 19:00	2015	1	17	19	2,611
1/17/2015 20:00	2015	1	17	20	2,584
1/17/2015 21:00	2015	1	17	21	2,491
1/17/2015 22:00	2015	1	17	22	2,439
1/17/2015 23:00	2015	1	17	23	2,392
1/18/2015 0:00	2015	1	18	0	2,262
1/18/2015 1:00	2015	1	18	1	2,185
1/18/2015 2:00	2015	1	18	2	2,133
1/18/2015 3:00	2015	1	18	3	2,162
1/18/2015 4:00	2015	1	18	4	2,172
1/18/2015 5:00	2015	1	18	5	2,235
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1/18/2015 7:00	2015	1	18	7	2,431
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1/18/2015 9:00	2015	1	18	9	2,575
1/18/2015 10:00	2015	1	18	10	2,514

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1/18/2015 11:00	2015	1	18	11	2,417
1/18/2015 12:00	2015	1	18	12	2,401
1/18/2015 13:00	2015	1	18	13	2,350
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1/18/2015 17:00	2015	1	18	17	2,405
1/18/2015 18:00	2015	1	18	18	2,563
1/18/2015 19:00	2015	1	18	19	2,609
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1/19/2015 3:00	2015	1	19	3	2,579
1/19/2015 4:00	2015	1	19	4	2,674
1/19/2015 5:00	2015	1	19	5	2,853
1/19/2015 6:00	2015	1	19	6	3,092
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1/19/2015 8:00	2015	1	19	8	3,313
1/19/2015 9:00	2015	1	19	9	3,235
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1/19/2015 11:00	2015	1	19	11	2,911
1/19/2015 12:00	2015	1	19	12	2,831
1/19/2015 13:00	2015	1	19	13	2,653
1/19/2015 14:00	2015	1	19	14	2,637
1/19/2015 15:00	2015	1	19	15	2,553
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1/19/2015 17:00	2015	1	19	17	2,507
1/19/2015 18:00	2015	1	19	18	2,723
1/19/2015 19:00	2015	1	19	19	2,841
1/19/2015 20:00	2015	1	19	20	2,907
1/19/2015 21:00	2015	1	19	21	2,818
1/19/2015 22:00	2015	1	19	22	2,765
1/19/2015 23:00	2015	1	19	23	2,674
1/20/2015 0:00	2015	1	20	0	2,634
1/20/2015 1:00	2015	1	20	1	2,580
1/20/2015 2:00	2015	1	20	2	2,554
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1/20/2015 4:00	2015	1	20	4	2,616

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1/20/2015 5:00	2015	1	20	5	2,800
1/20/2015 6:00	2015	1	20	6	3,109
1/20/2015 7:00	2015	1	20	7	3,250
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1/20/2015 10:00	2015	1	20	10	2,988
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1/20/2015 12:00	2015	1	20	12	2,713
1/20/2015 13:00	2015	1	20	13	2,655
1/20/2015 14:00	2015	1	20	14	2,589
1/20/2015 15:00	2015	1	20	15	2,561
1/20/2015 16:00	2015	1	20	16	2,469
1/20/2015 17:00	2015	1	20	17	2,633
1/20/2015 18:00	2015	1	20	18	2,768
1/20/2015 19:00	2015	1	20	19	2,794
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1/20/2015 22:00	2015	1	20	22	2,580
1/20/2015 23:00	2015	1	20	23	2,487
1/21/2015 0:00	2015	1	21	0	2,390
1/21/2015 1:00	2015	1	21	1	2,339
1/21/2015 2:00	2015	1	21	2	2,326
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1/21/2015 4:00	2015	1	21	4	2,354
1/21/2015 5:00	2015	1	21	5	2,491
1/21/2015 6:00	2015	1	21	6	2,840
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1/21/2015 14:00	2015	1	21	14	2,620
1/21/2015 15:00	2015	1	21	15	2,541
1/21/2015 16:00	2015	1	21	16	2,588
1/21/2015 17:00	2015	1	21	17	2,664
1/21/2015 18:00	2015	1	21	18	2,852
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1/21/2015 21:00	2015	1	21	21	2,907
1/21/2015 22:00	2015	1	21	22	2,799

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1/21/2015 23:00	2015	1	21	23	2,699
1/22/2015 0:00	2015	1	22	0	2,606
1/22/2015 1:00	2015	1	22	1	2,601
1/22/2015 2:00	2015	1	22	2	2,619
1/22/2015 3:00	2015	1	22	3	2,639
1/22/2015 4:00	2015	1	22	4	2,727
1/22/2015 5:00	2015	1	22	5	2,880
1/22/2015 6:00	2015	1	22	6	3,211
1/22/2015 7:00	2015	1	22	7	3,424
1/22/2015 8:00	2015	1	22	8	3,395
1/22/2015 9:00	2015	1	22	9	3,329
1/22/2015 10:00	2015	1	22	10	3,254
1/22/2015 11:00	2015	1	22	11	3,118
1/22/2015 12:00	2015	1	22	12	3,101
1/22/2015 13:00	2015	1	22	13	3,015
1/22/2015 14:00	2015	1	22	14	2,976
1/22/2015 15:00	2015	1	22	15	2,950
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1/22/2015 17:00	2015	1	22	17	3,043
1/22/2015 18:00	2015	1	22	18	3,141
1/22/2015 19:00	2015	1	22	19	3,150
1/22/2015 20:00	2015	1	22	20	3,137
1/22/2015 21:00	2015	1	22	21	3,054
1/22/2015 22:00	2015	1	22	22	2,962
1/22/2015 23:00	2015	1	22	23	2,793
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1/23/2015 1:00	2015	1	23	1	2,655
1/23/2015 2:00	2015	1	23	2	2,619
1/23/2015 3:00	2015	1	23	3	2,655
1/23/2015 4:00	2015	1	23	4	2,683
1/23/2015 5:00	2015	1	23	5	2,828
1/23/2015 6:00	2015	1	23	6	3,111
1/23/2015 7:00	2015	1	23	7	3,306
1/23/2015 8:00	2015	1	23	8	3,301
1/23/2015 9:00	2015	1	23	9	3,282
1/23/2015 10:00	2015	1	23	10	3,254
1/23/2015 11:00	2015	1	23	11	3,214
1/23/2015 12:00	2015	1	23	12	3,175
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1/23/2015 15:00	2015	1	23	15	3,088
1/23/2015 16:00	2015	1	23	16	3,106

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1/23/2015 17:00	2015	1	23	17	3,160
1/23/2015 18:00	2015	1	23	18	3,235
1/23/2015 19:00	2015	1	23	19	3,216
1/23/2015 20:00	2015	1	23	20	3,190
1/23/2015 21:00	2015	1	23	21	3,105
1/23/2015 22:00	2015	1	23	22	2,997
1/23/2015 23:00	2015	1	23	23	2,877
1/24/2015 0:00	2015	1	24	0	2,779
1/24/2015 1:00	2015	1	24	1	2,705
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1/24/2015 5:00	2015	1	24	5	2,735
1/24/2015 6:00	2015	1	24	6	2,841
1/24/2015 7:00	2015	1	24	7	2,953
1/24/2015 8:00	2015	1	24	8	3,066
1/24/2015 9:00	2015	1	24	9	3,031
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1/24/2015 11:00	2015	1	24	11	2,976
1/24/2015 12:00	2015	1	24	12	2,872
1/24/2015 13:00	2015	1	24	13	2,768
1/24/2015 14:00	2015	1	24	14	2,664
1/24/2015 15:00	2015	1	24	15	2,703
1/24/2015 16:00	2015	1	24	16	2,744
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1/24/2015 18:00	2015	1	24	18	2,965
1/24/2015 19:00	2015	1	24	19	2,922
1/24/2015 20:00	2015	1	24	20	2,900
1/24/2015 21:00	2015	1	24	21	2,863
1/24/2015 22:00	2015	1	24	22	2,795
1/24/2015 23:00	2015	1	24	23	2,667
1/25/2015 0:00	2015	1	25	0	2,603
1/25/2015 1:00	2015	1	25	1	2,561
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1/25/2015 3:00	2015	1	25	3	2,527
1/25/2015 4:00	2015	1	25	4	2,548
1/25/2015 5:00	2015	1	25	5	2,572
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1/25/2015 9:00	2015	1	25	9	2,786
1/25/2015 10:00	2015	1	25	10	2,727



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1/25/2015 11:00	2015	1	25	11	2,602
1/25/2015 12:00	2015	1	25	12	2,575
1/25/2015 13:00	2015	1	25	13	2,529
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1/25/2015 18:00	2015	1	25	18	2,726
1/25/2015 19:00	2015	1	25	19	2,721
1/25/2015 20:00	2015	1	25	20	2,686
1/25/2015 21:00	2015	1	25	21	2,604
1/25/2015 22:00	2015	1	25	22	2,528
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1/26/2015 0:00	2015	1	26	0	2,358
1/26/2015 1:00	2015	1	26	1	2,334
1/26/2015 2:00	2015	1	26	2	2,331
1/26/2015 3:00	2015	1	26	3	2,439
1/26/2015 4:00	2015	1	26	4	2,550
1/26/2015 5:00	2015	1	26	5	2,775
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1/26/2015 9:00	2015	1	26	9	3,551
1/26/2015 10:00	2015	1	26	10	3,549
1/26/2015 11:00	2015	1	26	11	3,513
1/26/2015 12:00	2015	1	26	12	3,543
1/26/2015 13:00	2015	1	26	13	3,474
1/26/2015 14:00	2015	1	26	14	3,441
1/26/2015 15:00	2015	1	26	15	3,391
1/26/2015 16:00	2015	1	26	16	3,416
1/26/2015 17:00	2015	1	26	17	3,407
1/26/2015 18:00	2015	1	26	18	3,489
1/26/2015 19:00	2015	1	26	19	3,450
1/26/2015 20:00	2015	1	26	20	3,458
1/26/2015 21:00	2015	1	26	21	3,303
1/26/2015 22:00	2015	1	26	22	3,143
1/26/2015 23:00	2015	1	26	23	3,031
1/27/2015 0:00	2015	1	27	0	2,930
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1/27/2015 3:00	2015	1	27	3	2,797
1/27/2015 4:00	2015	1	27	4	2,854

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1/27/2015 5:00	2015	1	27	5	3,041
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1/27/2015 7:00	2015	1	27	7	3,460
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1/27/2015 11:00	2015	1	27	11	3,366
1/27/2015 12:00	2015	1	27	12	3,355
1/27/2015 13:00	2015	1	27	13	3,218
1/27/2015 14:00	2015	1	27	14	3,152
1/27/2015 15:00	2015	1	27	15	3,112
1/27/2015 16:00	2015	1	27	16	3,068
1/27/2015 17:00	2015	1	27	17	3,152
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1/27/2015 19:00	2015	1	27	19	3,415
1/27/2015 20:00	2015	1	27	20	3,382
1/27/2015 21:00	2015	1	27	21	3,386
1/27/2015 22:00	2015	1	27	22	3,288
1/27/2015 23:00	2015	1	27	23	3,215
1/28/2015 0:00	2015	1	28	0	3,156
1/28/2015 1:00	2015	1	28	1	3,119
1/28/2015 2:00	2015	1	28	2	3,107
1/28/2015 3:00	2015	1	28	3	3,227
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1/28/2015 8:00	2015	1	28	8	3,882
1/28/2015 9:00	2015	1	28	9	3,686
1/28/2015 10:00	2015	1	28	10	3,506
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1/28/2015 18:00	2015	1	28	18	3,207
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1/28/2015 20:00	2015	1	28	20	3,284
1/28/2015 21:00	2015	1	28	21	3,203
1/28/2015 22:00	2015	1	28	22	3,140

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1/28/2015 23:00	2015	1	28	23	2,980
1/29/2015 0:00	2015	1	29	0	2,877
1/29/2015 1:00	2015	1	29	1	2,829
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1/29/2015 3:00	2015	1	29	3	2,730
1/29/2015 4:00	2015	1	29	4	2,695
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1/29/2015 6:00	2015	1	29	6	3,086
1/29/2015 7:00	2015	1	29	7	3,257
1/29/2015 8:00	2015	1	29	8	3,251
1/29/2015 9:00	2015	1	29	9	3,209
1/29/2015 10:00	2015	1	29	10	3,101
1/29/2015 11:00	2015	1	29	11	2,983
1/29/2015 12:00	2015	1	29	12	2,925
1/29/2015 13:00	2015	1	29	13	2,881
1/29/2015 14:00	2015	1	29	14	2,814
1/29/2015 15:00	2015	1	29	15	2,841
1/29/2015 16:00	2015	1	29	16	2,881
1/29/2015 17:00	2015	1	29	17	2,952
1/29/2015 18:00	2015	1	29	18	3,051
1/29/2015 19:00	2015	1	29	19	3,066
1/29/2015 20:00	2015	1	29	20	3,094
1/29/2015 21:00	2015	1	29	21	3,023
1/29/2015 22:00	2015	1	29	22	2,934
1/29/2015 23:00	2015	1	29	23	2,823
1/30/2015 0:00	2015	1	30	0	2,761
1/30/2015 1:00	2015	1	30	1	2,673
1/30/2015 2:00	2015	1	30	2	2,612
1/30/2015 3:00	2015	1	30	3	2,602
1/30/2015 4:00	2015	1	30	4	2,695
1/30/2015 5:00	2015	1	30	5	2,828
1/30/2015 6:00	2015	1	30	6	3,087
1/30/2015 7:00	2015	1	30	7	3,277
1/30/2015 8:00	2015	1	30	8	3,276
1/30/2015 9:00	2015	1	30	9	3,304
1/30/2015 10:00	2015	1	30	10	3,255
1/30/2015 11:00	2015	1	30	11	3,158
1/30/2015 12:00	2015	1	30	12	3,099
1/30/2015 13:00	2015	1	30	13	2,988
1/30/2015 14:00	2015	1	30	14	2,915
1/30/2015 15:00	2015	1	30	15	2,857
1/30/2015 16:00	2015	1	30	16	2,795

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1/30/2015 17:00	2015	1	30	17	2,906
1/30/2015 18:00	2015	1	30	18	3,150
1/30/2015 19:00	2015	1	30	19	3,169
1/30/2015 20:00	2015	1	30	20	3,148
1/30/2015 21:00	2015	1	30	21	3,145
1/30/2015 22:00	2015	1	30	22	3,089
1/30/2015 23:00	2015	1	30	23	3,031
1/31/2015 0:00	2015	1	31	0	2,987
1/31/2015 1:00	2015	1	31	1	3,052
1/31/2015 2:00	2015	1	31	2	3,033
1/31/2015 3:00	2015	1	31	3	3,076
1/31/2015 4:00	2015	1	31	4	3,119
1/31/2015 5:00	2015	1	31	5	3,183
1/31/2015 6:00	2015	1	31	6	3,269
1/31/2015 7:00	2015	1	31	7	3,316
1/31/2015 8:00	2015	1	31	8	3,354
1/31/2015 9:00	2015	1	31	9	3,239
1/31/2015 10:00	2015	1	31	10	3,058
1/31/2015 11:00	2015	1	31	11	2,873
1/31/2015 12:00	2015	1	31	12	2,750
1/31/2015 13:00	2015	1	31	13	2,706
1/31/2015 14:00	2015	1	31	14	2,590
1/31/2015 15:00	2015	1	31	15	2,551
1/31/2015 16:00	2015	1	31	16	2,606
1/31/2015 17:00	2015	1	31	17	2,653
1/31/2015 18:00	2015	1	31	18	2,795
1/31/2015 19:00	2015	1	31	19	2,793
1/31/2015 20:00	2015	1	31	20	2,763
1/31/2015 21:00	2015	1	31	21	2,726
1/31/2015 22:00	2015	1	31	22	2,629
1/31/2015 23:00	2015	1	31	23	2,534
2/1/2015 0:00	2015	2	1	0	2,455
2/1/2015 1:00	2015	2	1	1	2,382
2/1/2015 2:00	2015	2	1	2	2,389
2/1/2015 3:00	2015	2	1	3	2,371
2/1/2015 4:00	2015	2	1	4	2,378
2/1/2015 5:00	2015	2	1	5	2,397
2/1/2015 6:00	2015	2	1	6	2,479
2/1/2015 7:00	2015	2	1	7	2,568
2/1/2015 8:00	2015	2	1	8	2,601
2/1/2015 9:00	2015	2	1	9	2,647
2/1/2015 10:00	2015	2	1	10	2,719

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2/1/2015 11:00	2015	2	1	11	2,657
2/1/2015 12:00	2015	2	1	12	2,639
2/1/2015 13:00	2015	2	1	13	2,667
2/1/2015 14:00	2015	2	1	14	2,640
2/1/2015 15:00	2015	2	1	15	2,631
2/1/2015 16:00	2015	2	1	16	2,645
2/1/2015 17:00	2015	2	1	17	2,651
2/1/2015 18:00	2015	2	1	18	2,670
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2/1/2015 20:00	2015	2	1	20	2,544
2/1/2015 21:00	2015	2	1	21	2,463
2/1/2015 22:00	2015	2	1	22	2,417
2/1/2015 23:00	2015	2	1	23	2,319
2/2/2015 0:00	2015	2	2	0	2,247
2/2/2015 1:00	2015	2	2	1	2,239
2/2/2015 2:00	2015	2	2	2	2,294
2/2/2015 3:00	2015	2	2	3	2,316
2/2/2015 4:00	2015	2	2	4	2,480
2/2/2015 5:00	2015	2	2	5	2,694
2/2/2015 6:00	2015	2	2	6	3,070
2/2/2015 7:00	2015	2	2	7	3,373
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2/2/2015 10:00	2015	2	2	10	3,681
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2/2/2015 13:00	2015	2	2	13	3,600
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2/2/2015 15:00	2015	2	2	15	3,449
2/2/2015 16:00	2015	2	2	16	3,429
2/2/2015 17:00	2015	2	2	17	3,491
2/2/2015 18:00	2015	2	2	18	3,592
2/2/2015 19:00	2015	2	2	19	3,599
2/2/2015 20:00	2015	2	2	20	3,619
2/2/2015 21:00	2015	2	2	21	3,522
2/2/2015 22:00	2015	2	2	22	3,412
2/2/2015 23:00	2015	2	2	23	3,237
2/3/2015 0:00	2015	2	3	0	3,138
2/3/2015 1:00	2015	2	3	1	3,065
2/3/2015 2:00	2015	2	3	2	3,013
2/3/2015 3:00	2015	2	3	3	3,042
2/3/2015 4:00	2015	2	3	4	3,140

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2/3/2015 5:00	2015	2	3	5	3,293
2/3/2015 6:00	2015	2	3	6	3,601
2/3/2015 7:00	2015	2	3	7	3,758
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2/3/2015 12:00	2015	2	3	12	3,228
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2/3/2015 14:00	2015	2	3	14	3,008
2/3/2015 15:00	2015	2	3	15	2,923
2/3/2015 16:00	2015	2	3	16	2,880
2/3/2015 17:00	2015	2	3	17	2,961
2/3/2015 18:00	2015	2	3	18	3,215
2/3/2015 19:00	2015	2	3	19	3,312
2/3/2015 20:00	2015	2	3	20	3,333
2/3/2015 21:00	2015	2	3	21	3,273
2/3/2015 22:00	2015	2	3	22	3,152
2/3/2015 23:00	2015	2	3	23	3,037
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2/4/2015 1:00	2015	2	4	1	2,890
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2/4/2015 3:00	2015	2	4	3	2,837
2/4/2015 4:00	2015	2	4	4	2,869
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2/4/2015 11:00	2015	2	4	11	2,999
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2/4/2015 13:00	2015	2	4	13	2,778
2/4/2015 14:00	2015	2	4	14	2,699
2/4/2015 15:00	2015	2	4	15	2,671
2/4/2015 16:00	2015	2	4	16	2,611
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2/4/2015 18:00	2015	2	4	18	2,896
2/4/2015 19:00	2015	2	4	19	2,931
2/4/2015 20:00	2015	2	4	20	2,941
2/4/2015 21:00	2015	2	4	21	2,884
2/4/2015 22:00	2015	2	4	22	2,772

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2/4/2015 23:00	2015	2	4	23	2,703
2/5/2015 0:00	2015	2	5	0	2,693
2/5/2015 1:00	2015	2	5	1	2,721
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2/5/2015 3:00	2015	2	5	3	2,794
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2/5/2015 6:00	2015	2	5	6	3,480
2/5/2015 7:00	2015	2	5	7	3,719
2/5/2015 8:00	2015	2	5	8	3,742
2/5/2015 9:00	2015	2	5	9	3,697
2/5/2015 10:00	2015	2	5	10	3,599
2/5/2015 11:00	2015	2	5	11	3,495
2/5/2015 12:00	2015	2	5	12	3,365
2/5/2015 13:00	2015	2	5	13	3,295
2/5/2015 14:00	2015	2	5	14	3,197
2/5/2015 15:00	2015	2	5	15	3,070
2/5/2015 16:00	2015	2	5	16	3,152
2/5/2015 17:00	2015	2	5	17	3,180
2/5/2015 18:00	2015	2	5	18	3,380
2/5/2015 19:00	2015	2	5	19	3,546
2/5/2015 20:00	2015	2	5	20	3,557
2/5/2015 21:00	2015	2	5	21	3,539
2/5/2015 22:00	2015	2	5	22	3,491
2/5/2015 23:00	2015	2	5	23	3,471
2/6/2015 0:00	2015	2	6	0	3,465
2/6/2015 1:00	2015	2	6	1	3,452
2/6/2015 2:00	2015	2	6	2	3,454
2/6/2015 3:00	2015	2	6	3	3,490
2/6/2015 4:00	2015	2	6	4	3,571
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2/6/2015 9:00	2015	2	6	9	3,918
2/6/2015 10:00	2015	2	6	10	3,822
2/6/2015 11:00	2015	2	6	11	3,625
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2/6/2015 14:00	2015	2	6	14	3,141
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2/6/2015 16:00	2015	2	6	16	2,955

2/6/2015 17:00	2015	2	6	17	2,957
2/6/2015 18:00	2015	2	6	18	3,081
2/6/2015 19:00	2015	2	6	19	3,143
2/6/2015 20:00	2015	2	6	20	3,171
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2/6/2015 22:00	2015	2	6	22	3,029
2/6/2015 23:00	2015	2	6	23	2,919
2/7/2015 0:00	2015	2	7	0	2,761
2/7/2015 1:00	2015	2	7	1	2,762
2/7/2015 2:00	2015	2	7	2	2,717
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2/7/2015 5:00	2015	2	7	5	2,767
2/7/2015 6:00	2015	2	7	6	2,855
2/7/2015 7:00	2015	2	7	7	2,929
2/7/2015 8:00	2015	2	7	8	2,890
2/7/2015 9:00	2015	2	7	9	2,872
2/7/2015 10:00	2015	2	7	10	2,787
2/7/2015 11:00	2015	2	7	11	2,642
2/7/2015 12:00	2015	2	7	12	2,476
2/7/2015 13:00	2015	2	7	13	2,372
2/7/2015 14:00	2015	2	7	14	2,304
2/7/2015 15:00	2015	2	7	15	2,206
2/7/2015 16:00	2015	2	7	16	2,174
2/7/2015 17:00	2015	2	7	17	2,193
2/7/2015 18:00	2015	2	7	18	2,357
2/7/2015 19:00	2015	2	7	19	2,404
2/7/2015 20:00	2015	2	7	20	2,419
2/7/2015 21:00	2015	2	7	21	2,383
2/7/2015 22:00	2015	2	7	22	2,321
2/7/2015 23:00	2015	2	7	23	2,214
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2/8/2015 5:00	2015	2	8	5	2,012
2/8/2015 6:00	2015	2	8	6	2,121
2/8/2015 7:00	2015	2	8	7	2,217
2/8/2015 8:00	2015	2	8	8	2,254
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2/8/2015 10:00	2015	2	8	10	2,275



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2/8/2015 11:00	2015	2	8	11	2,170
2/8/2015 12:00	2015	2	8	12	2,215
2/8/2015 13:00	2015	2	8	13	2,198
2/8/2015 14:00	2015	2	8	14	2,203
2/8/2015 15:00	2015	2	8	15	2,205
2/8/2015 16:00	2015	2	8	16	2,243
2/8/2015 17:00	2015	2	8	17	2,289
2/8/2015 18:00	2015	2	8	18	2,406
2/8/2015 19:00	2015	2	8	19	2,383
2/8/2015 20:00	2015	2	8	20	2,385
2/8/2015 21:00	2015	2	8	21	2,267
2/8/2015 22:00	2015	2	8	22	2,165
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2/9/2015 2:00	2015	2	9	2	1,935
2/9/2015 3:00	2015	2	9	3	1,916
2/9/2015 4:00	2015	2	9	4	1,916
2/9/2015 5:00	2015	2	9	5	2,092
2/9/2015 6:00	2015	2	9	6	2,471
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2/9/2015 9:00	2015	2	9	9	2,757
2/9/2015 10:00	2015	2	9	10	2,837
2/9/2015 11:00	2015	2	9	11	2,850
2/9/2015 12:00	2015	2	9	12	2,908
2/9/2015 13:00	2015	2	9	13	2,922
2/9/2015 14:00	2015	2	9	14	2,954
2/9/2015 15:00	2015	2	9	15	2,961
2/9/2015 16:00	2015	2	9	16	2,970
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2/9/2015 18:00	2015	2	9	18	3,186
2/9/2015 19:00	2015	2	9	19	3,203
2/9/2015 20:00	2015	2	9	20	3,201
2/9/2015 21:00	2015	2	9	21	3,135
2/9/2015 22:00	2015	2	9	22	3,075
2/9/2015 23:00	2015	2	9	23	2,958
2/10/2015 0:00	2015	2	10	0	2,966
2/10/2015 1:00	2015	2	10	1	2,864
2/10/2015 2:00	2015	2	10	2	2,855
2/10/2015 3:00	2015	2	10	3	2,849
2/10/2015 4:00	2015	2	10	4	2,923

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2/10/2015 5:00	2015	2	10	5	3,030
2/10/2015 6:00	2015	2	10	6	3,336
2/10/2015 7:00	2015	2	10	7	3,561
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2/10/2015 9:00	2015	2	10	9	3,550
2/10/2015 10:00	2015	2	10	10	3,467
2/10/2015 11:00	2015	2	10	11	3,387
2/10/2015 12:00	2015	2	10	12	3,329
2/10/2015 13:00	2015	2	10	13	3,238
2/10/2015 14:00	2015	2	10	14	3,162
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2/10/2015 17:00	2015	2	10	17	3,118
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2/10/2015 22:00	2015	2	10	22	3,117
2/10/2015 23:00	2015	2	10	23	3,060
2/11/2015 0:00	2015	2	11	0	3,042
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2/11/2015 2:00	2015	2	11	2	2,975
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2/11/2015 4:00	2015	2	11	4	3,098
2/11/2015 5:00	2015	2	11	5	3,227
2/11/2015 6:00	2015	2	11	6	3,501
2/11/2015 7:00	2015	2	11	7	3,654
2/11/2015 8:00	2015	2	11	8	3,640
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2/11/2015 15:00	2015	2	11	15	2,771
2/11/2015 16:00	2015	2	11	16	2,651
2/11/2015 17:00	2015	2	11	17	2,762
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2/11/2015 19:00	2015	2	11	19	3,017
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2/11/2015 21:00	2015	2	11	21	2,898
2/11/2015 22:00	2015	2	11	22	2,845

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2/11/2015 23:00	2015	2	11	23	2,692
2/12/2015 0:00	2015	2	12	0	2,668
2/12/2015 1:00	2015	2	12	1	2,609
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2/12/2015 9:00	2015	2	12	9	3,616
2/12/2015 10:00	2015	2	12	10	3,649
2/12/2015 11:00	2015	2	12	11	3,648
2/12/2015 12:00	2015	2	12	12	3,574
2/12/2015 13:00	2015	2	12	13	3,580
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2/12/2015 16:00	2015	2	12	16	3,527
2/12/2015 17:00	2015	2	12	17	3,582
2/12/2015 18:00	2015	2	12	18	3,709
2/12/2015 19:00	2015	2	12	19	3,785
2/12/2015 20:00	2015	2	12	20	3,739
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2/12/2015 22:00	2015	2	12	22	3,569
2/12/2015 23:00	2015	2	12	23	3,491
2/13/2015 0:00	2015	2	13	0	3,399
2/13/2015 1:00	2015	2	13	1	3,343
2/13/2015 2:00	2015	2	13	2	3,335
2/13/2015 3:00	2015	2	13	3	3,355
2/13/2015 4:00	2015	2	13	4	3,396
2/13/2015 5:00	2015	2	13	5	3,551
2/13/2015 6:00	2015	2	13	6	3,861
2/13/2015 7:00	2015	2	13	7	4,055
2/13/2015 8:00	2015	2	13	8	4,023
2/13/2015 9:00	2015	2	13	9	3,851
2/13/2015 10:00	2015	2	13	10	3,723
2/13/2015 11:00	2015	2	13	11	3,492
2/13/2015 12:00	2015	2	13	12	3,362
2/13/2015 13:00	2015	2	13	13	3,200
2/13/2015 14:00	2015	2	13	14	3,124
2/13/2015 15:00	2015	2	13	15	2,986
2/13/2015 16:00	2015	2	13	16	2,947

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2/13/2015 17:00	2015	2	13	17	3,011
2/13/2015 18:00	2015	2	13	18	3,256
2/13/2015 19:00	2015	2	13	19	3,281
2/13/2015 20:00	2015	2	13	20	3,355
2/13/2015 21:00	2015	2	13	21	3,320
2/13/2015 22:00	2015	2	13	22	3,230
2/13/2015 23:00	2015	2	13	23	3,111
2/14/2015 0:00	2015	2	14	0	3,000
2/14/2015 1:00	2015	2	14	1	2,898
2/14/2015 2:00	2015	2	14	2	2,847
2/14/2015 3:00	2015	2	14	3	2,833
2/14/2015 4:00	2015	2	14	4	2,830
2/14/2015 5:00	2015	2	14	5	2,893
2/14/2015 6:00	2015	2	14	6	2,961
2/14/2015 7:00	2015	2	14	7	3,009
2/14/2015 8:00	2015	2	14	8	3,072
2/14/2015 9:00	2015	2	14	9	3,116
2/14/2015 10:00	2015	2	14	10	3,165
2/14/2015 11:00	2015	2	14	11	3,146
2/14/2015 12:00	2015	2	14	12	3,114
2/14/2015 13:00	2015	2	14	13	3,099
2/14/2015 14:00	2015	2	14	14	3,107
2/14/2015 15:00	2015	2	14	15	3,084
2/14/2015 16:00	2015	2	14	16	3,119
2/14/2015 17:00	2015	2	14	17	3,243
2/14/2015 18:00	2015	2	14	18	3,474
2/14/2015 19:00	2015	2	14	19	3,645
2/14/2015 20:00	2015	2	14	20	3,705
2/14/2015 21:00	2015	2	14	21	3,734
2/14/2015 22:00	2015	2	14	22	3,698
2/14/2015 23:00	2015	2	14	23	3,670
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2/15/2015 1:00	2015	2	15	1	3,612
2/15/2015 2:00	2015	2	15	2	3,627
2/15/2015 3:00	2015	2	15	3	3,636
2/15/2015 4:00	2015	2	15	4	3,737
2/15/2015 5:00	2015	2	15	5	3,791
2/15/2015 6:00	2015	2	15	6	3,892
2/15/2015 7:00	2015	2	15	7	3,974
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2/15/2015 9:00	2015	2	15	9	3,864
2/15/2015 10:00	2015	2	15	10	3,735

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2/15/2015 11:00	2015	2	15	11	3,595
2/15/2015 12:00	2015	2	15	12	3,453
2/15/2015 13:00	2015	2	15	13	3,290
2/15/2015 14:00	2015	2	15	14	3,195
2/15/2015 15:00	2015	2	15	15	3,122
2/15/2015 16:00	2015	2	15	16	3,093
2/15/2015 17:00	2015	2	15	17	3,275
2/15/2015 18:00	2015	2	15	18	3,434
2/15/2015 19:00	2015	2	15	19	3,564
2/15/2015 20:00	2015	2	15	20	3,550
2/15/2015 21:00	2015	2	15	21	3,515
2/15/2015 22:00	2015	2	15	22	3,438
2/15/2015 23:00	2015	2	15	23	3,393
2/16/2015 0:00	2015	2	16	0	3,342
2/16/2015 1:00	2015	2	16	1	3,312
2/16/2015 2:00	2015	2	16	2	3,305
2/16/2015 3:00	2015	2	16	3	3,375
2/16/2015 4:00	2015	2	16	4	3,481
2/16/2015 5:00	2015	2	16	5	3,587
2/16/2015 6:00	2015	2	16	6	3,788
2/16/2015 7:00	2015	2	16	7	3,975
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2/16/2015 10:00	2015	2	16	10	4,045
2/16/2015 11:00	2015	2	16	11	4,077
2/16/2015 12:00	2015	2	16	12	4,073
2/16/2015 13:00	2015	2	16	13	3,986
2/16/2015 14:00	2015	2	16	14	3,960
2/16/2015 15:00	2015	2	16	15	3,884
2/16/2015 16:00	2015	2	16	16	3,819
2/16/2015 17:00	2015	2	16	17	3,870
2/16/2015 18:00	2015	2	16	18	3,954
2/16/2015 19:00	2015	2	16	19	3,936
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2/16/2015 21:00	2015	2	16	21	3,753
2/16/2015 22:00	2015	2	16	22	3,623
2/16/2015 23:00	2015	2	16	23	3,581
2/17/2015 0:00	2015	2	17	0	3,537
2/17/2015 1:00	2015	2	17	1	3,519
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2/17/2015 3:00	2015	2	17	3	3,546
2/17/2015 4:00	2015	2	17	4	3,633

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2/17/2015 5:00	2015	2	17	5	3,808
2/17/2015 6:00	2015	2	17	6	3,886
2/17/2015 7:00	2015	2	17	7	3,988
2/17/2015 8:00	2015	2	17	8	4,066
2/17/2015 9:00	2015	2	17	9	3,964
2/17/2015 10:00	2015	2	17	10	3,756
2/17/2015 11:00	2015	2	17	11	3,600
2/17/2015 12:00	2015	2	17	12	3,464
2/17/2015 13:00	2015	2	17	13	3,361
2/17/2015 14:00	2015	2	17	14	3,272
2/17/2015 15:00	2015	2	17	15	3,195
2/17/2015 16:00	2015	2	17	16	3,283
2/17/2015 17:00	2015	2	17	17	3,368
2/17/2015 18:00	2015	2	17	18	3,598
2/17/2015 19:00	2015	2	17	19	3,660
2/17/2015 20:00	2015	2	17	20	3,696
2/17/2015 21:00	2015	2	17	21	3,669
2/17/2015 22:00	2015	2	17	22	3,558
2/17/2015 23:00	2015	2	17	23	3,560
2/18/2015 0:00	2015	2	18	0	3,534
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2/18/2015 2:00	2015	2	18	2	3,500
2/18/2015 3:00	2015	2	18	3	3,461
2/18/2015 4:00	2015	2	18	4	3,502
2/18/2015 5:00	2015	2	18	5	3,631
2/18/2015 6:00	2015	2	18	6	3,817
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2/18/2015 10:00	2015	2	18	10	3,925
2/18/2015 11:00	2015	2	18	11	3,922
2/18/2015 12:00	2015	2	18	12	3,860
2/18/2015 13:00	2015	2	18	13	3,794
2/18/2015 14:00	2015	2	18	14	3,789
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2/18/2015 16:00	2015	2	18	16	3,876
2/18/2015 17:00	2015	2	18	17	4,001
2/18/2015 18:00	2015	2	18	18	4,215
2/18/2015 19:00	2015	2	18	19	4,293
2/18/2015 20:00	2015	2	18	20	4,337
2/18/2015 21:00	2015	2	18	21	4,290
2/18/2015 22:00	2015	2	18	22	4,251

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2/18/2015 23:00	2015	2	18	23	4,204
2/19/2015 0:00	2015	2	19	0	4,174
2/19/2015 1:00	2015	2	19	1	4,222
2/19/2015 2:00	2015	2	19	2	4,286
2/19/2015 3:00	2015	2	19	3	4,322
2/19/2015 4:00	2015	2	19	4	4,388
2/19/2015 5:00	2015	2	19	5	4,534
2/19/2015 6:00	2015	2	19	6	4,709
2/19/2015 7:00	2015	2	19	7	4,852
2/19/2015 8:00	2015	2	19	8	4,816
2/19/2015 9:00	2015	2	19	9	4,709
2/19/2015 10:00	2015	2	19	10	4,609
2/19/2015 11:00	2015	2	19	11	4,525
2/19/2015 12:00	2015	2	19	12	4,435
2/19/2015 13:00	2015	2	19	13	4,311
2/19/2015 14:00	2015	2	19	14	4,236
2/19/2015 15:00	2015	2	19	15	4,165
2/19/2015 16:00	2015	2	19	16	4,145
2/19/2015 17:00	2015	2	19	17	4,229
2/19/2015 18:00	2015	2	19	18	4,475
2/19/2015 19:00	2015	2	19	19	4,641
2/19/2015 20:00	2015	2	19	20	4,652
2/19/2015 21:00	2015	2	19	21	4,692
2/19/2015 22:00	2015	2	19	22	4,582
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2/20/2015 1:00	2015	2	20	1	4,570
2/20/2015 2:00	2015	2	20	2	4,638
2/20/2015 3:00	2015	2	20	3	4,657
2/20/2015 4:00	2015	2	20	4	4,712
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2/20/2015 8:00	2015	2	20	8	5,032
2/20/2015 9:00	2015	2	20	9	4,841
2/20/2015 10:00	2015	2	20	10	4,675
2/20/2015 11:00	2015	2	20	11	4,463
2/20/2015 12:00	2015	2	20	12	4,257
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2/20/2015 14:00	2015	2	20	14	3,920
2/20/2015 15:00	2015	2	20	15	3,861
2/20/2015 16:00	2015	2	20	16	3,840

2/20/2015 17:00	2015	2	20	17	3,894
2/20/2015 18:00	2015	2	20	18	4,004
2/20/2015 19:00	2015	2	20	19	3,986
2/20/2015 20:00	2015	2	20	20	3,937
2/20/2015 21:00	2015	2	20	21	3,837
2/20/2015 22:00	2015	2	20	22	3,662
2/20/2015 23:00	2015	2	20	23	3,502
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2/21/2015 2:00	2015	2	21	2	3,213
2/21/2015 3:00	2015	2	21	3	3,191
2/21/2015 4:00	2015	2	21	4	3,115
2/21/2015 5:00	2015	2	21	5	3,112
2/21/2015 6:00	2015	2	21	6	3,205
2/21/2015 7:00	2015	2	21	7	3,173
2/21/2015 8:00	2015	2	21	8	3,241
2/21/2015 9:00	2015	2	21	9	3,272
2/21/2015 10:00	2015	2	21	10	3,327
2/21/2015 11:00	2015	2	21	11	3,314
2/21/2015 12:00	2015	2	21	12	3,248
2/21/2015 13:00	2015	2	21	13	3,197
2/21/2015 14:00	2015	2	21	14	3,158
2/21/2015 15:00	2015	2	21	15	3,116
2/21/2015 16:00	2015	2	21	16	3,183
2/21/2015 17:00	2015	2	21	17	3,180
2/21/2015 18:00	2015	2	21	18	3,169
2/21/2015 19:00	2015	2	21	19	3,193
2/21/2015 20:00	2015	2	21	20	3,100
2/21/2015 21:00	2015	2	21	21	3,035
2/21/2015 22:00	2015	2	21	22	2,955
2/21/2015 23:00	2015	2	21	23	2,891
2/22/2015 0:00	2015	2	22	0	2,795
2/22/2015 1:00	2015	2	22	1	2,783
2/22/2015 2:00	2015	2	22	2	2,758
2/22/2015 3:00	2015	2	22	3	2,753
2/22/2015 4:00	2015	2	22	4	2,783
2/22/2015 5:00	2015	2	22	5	2,861
2/22/2015 6:00	2015	2	22	6	2,830
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2/22/2015 9:00	2015	2	22	9	2,979
2/22/2015 10:00	2015	2	22	10	2,991



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2/22/2015 11:00	2015	2	22	11	2,931
2/22/2015 12:00	2015	2	22	12	2,855
2/22/2015 13:00	2015	2	22	13	2,743
2/22/2015 14:00	2015	2	22	14	2,752
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2/22/2015 16:00	2015	2	22	16	2,804
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2/22/2015 20:00	2015	2	22	20	3,212
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2/22/2015 22:00	2015	2	22	22	2,976
2/22/2015 23:00	2015	2	22	23	2,912
2/23/2015 0:00	2015	2	23	0	2,892
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2/23/2015 5:00	2015	2	23	5	3,331
2/23/2015 6:00	2015	2	23	6	3,603
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2/23/2015 8:00	2015	2	23	8	3,906
2/23/2015 9:00	2015	2	23	9	3,869
2/23/2015 10:00	2015	2	23	10	3,785
2/23/2015 11:00	2015	2	23	11	3,789
2/23/2015 12:00	2015	2	23	12	3,671
2/23/2015 13:00	2015	2	23	13	3,605
2/23/2015 14:00	2015	2	23	14	3,550
2/23/2015 15:00	2015	2	23	15	3,501
2/23/2015 16:00	2015	2	23	16	3,458
2/23/2015 17:00	2015	2	23	17	3,584
2/23/2015 18:00	2015	2	23	18	3,777
2/23/2015 19:00	2015	2	23	19	3,971
2/23/2015 20:00	2015	2	23	20	3,994
2/23/2015 21:00	2015	2	23	21	4,054
2/23/2015 22:00	2015	2	23	22	3,928
2/23/2015 23:00	2015	2	23	23	3,927
2/24/2015 0:00	2015	2	24	0	3,821
2/24/2015 1:00	2015	2	24	1	3,829
2/24/2015 2:00	2015	2	24	2	3,755
2/24/2015 3:00	2015	2	24	3	3,808
2/24/2015 4:00	2015	2	24	4	3,800

2/24/2015 5:00	2015	2	24	5	3,979
2/24/2015 6:00	2015	2	24	6	4,204
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2/24/2015 10:00	2015	2	24	10	3,919
2/24/2015 11:00	2015	2	24	11	3,716
2/24/2015 12:00	2015	2	24	12	3,605
2/24/2015 13:00	2015	2	24	13	3,484
2/24/2015 14:00	2015	2	24	14	3,346
2/24/2015 15:00	2015	2	24	15	3,315
2/24/2015 16:00	2015	2	24	16	3,275
2/24/2015 17:00	2015	2	24	17	3,337
2/24/2015 18:00	2015	2	24	18	3,512
2/24/2015 19:00	2015	2	24	19	3,707
2/24/2015 20:00	2015	2	24	20	3,725
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2/24/2015 23:00	2015	2	24	23	3,426
2/25/2015 0:00	2015	2	25	0	3,397
2/25/2015 1:00	2015	2	25	1	3,300
2/25/2015 2:00	2015	2	25	2	3,320
2/25/2015 3:00	2015	2	25	3	3,278
2/25/2015 4:00	2015	2	25	4	3,329
2/25/2015 5:00	2015	2	25	5	3,400
2/25/2015 6:00	2015	2	25	6	3,625
2/25/2015 7:00	2015	2	25	7	3,808
2/25/2015 8:00	2015	2	25	8	3,716
2/25/2015 9:00	2015	2	25	9	3,588
2/25/2015 10:00	2015	2	25	10	3,466
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2/25/2015 16:00	2015	2	25	16	3,080
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2/25/2015 18:00	2015	2	25	18	3,306
2/25/2015 19:00	2015	2	25	19	3,393
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2/25/2015 21:00	2015	2	25	21	3,283
2/25/2015 22:00	2015	2	25	22	3,168

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2/25/2015 23:00	2015	2	25	23	3,044
2/26/2015 0:00	2015	2	26	0	3,002
2/26/2015 1:00	2015	2	26	1	2,918
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2/26/2015 5:00	2015	2	26	5	3,169
2/26/2015 6:00	2015	2	26	6	3,421
2/26/2015 7:00	2015	2	26	7	3,541
2/26/2015 8:00	2015	2	26	8	3,517
2/26/2015 9:00	2015	2	26	9	3,429
2/26/2015 10:00	2015	2	26	10	3,330
2/26/2015 11:00	2015	2	26	11	3,222
2/26/2015 12:00	2015	2	26	12	3,104
2/26/2015 13:00	2015	2	26	13	3,058
2/26/2015 14:00	2015	2	26	14	2,986
2/26/2015 15:00	2015	2	26	15	2,960
2/26/2015 16:00	2015	2	26	16	3,030
2/26/2015 17:00	2015	2	26	17	3,197
2/26/2015 18:00	2015	2	26	18	3,381
2/26/2015 19:00	2015	2	26	19	3,513
2/26/2015 20:00	2015	2	26	20	3,553
2/26/2015 21:00	2015	2	26	21	3,569
2/26/2015 22:00	2015	2	26	22	3,480
2/26/2015 23:00	2015	2	26	23	3,417
2/27/2015 0:00	2015	2	27	0	3,358
2/27/2015 1:00	2015	2	27	1	3,362
2/27/2015 2:00	2015	2	27	2	3,395
2/27/2015 3:00	2015	2	27	3	3,398
2/27/2015 4:00	2015	2	27	4	3,495
2/27/2015 5:00	2015	2	27	5	3,698
2/27/2015 6:00	2015	2	27	6	3,990
2/27/2015 7:00	2015	2	27	7	4,157
2/27/2015 8:00	2015	2	27	8	4,094
2/27/2015 9:00	2015	2	27	9	3,908
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2/27/2015 14:00	2015	2	27	14	3,280
2/27/2015 15:00	2015	2	27	15	3,213
2/27/2015 16:00	2015	2	27	16	3,185

2/27/2015 17:00	2015	2	27	17	3,252
2/27/2015 18:00	2015	2	27	18	3,498
2/27/2015 19:00	2015	2	27	19	3,633
2/27/2015 20:00	2015	2	27	20	3,675
2/27/2015 21:00	2015	2	27	21	3,667
2/27/2015 22:00	2015	2	27	22	3,576
2/27/2015 23:00	2015	2	27	23	3,513
2/28/2015 0:00	2015	2	28	0	3,450
2/28/2015 1:00	2015	2	28	1	3,431
2/28/2015 2:00	2015	2	28	2	3,387
2/28/2015 3:00	2015	2	28	3	3,411
2/28/2015 4:00	2015	2	28	4	3,416
2/28/2015 5:00	2015	2	28	5	3,422
2/28/2015 6:00	2015	2	28	6	3,533
2/28/2015 7:00	2015	2	28	7	3,663
2/28/2015 8:00	2015	2	28	8	3,641
2/28/2015 9:00	2015	2	28	9	3,573
2/28/2015 10:00	2015	2	28	10	3,381
2/28/2015 11:00	2015	2	28	11	3,226
2/28/2015 12:00	2015	2	28	12	3,042
2/28/2015 13:00	2015	2	28	13	2,900
2/28/2015 14:00	2015	2	28	14	2,768
2/28/2015 15:00	2015	2	28	15	2,714
2/28/2015 16:00	2015	2	28	16	2,715
2/28/2015 17:00	2015	2	28	17	2,793
2/28/2015 18:00	2015	2	28	18	2,935
2/28/2015 19:00	2015	2	28	19	3,011
2/28/2015 20:00	2015	2	28	20	2,989
2/28/2015 21:00	2015	2	28	21	2,950
2/28/2015 22:00	2015	2	28	22	2,846
2/28/2015 23:00	2015	2	28	23	2,750
3/1/2015 0:00	2015	3	1	0	2,702
3/1/2015 1:00	2015	3	1	1	2,609
3/1/2015 2:00	2015	3	1	2	2,640
3/1/2015 3:00	2015	3	1	3	2,601
3/1/2015 4:00	2015	3	1	4	2,617
3/1/2015 5:00	2015	3	1	5	2,620
3/1/2015 6:00	2015	3	1	6	2,657
3/1/2015 7:00	2015	3	1	7	2,735
3/1/2015 8:00	2015	3	1	8	2,777
3/1/2015 9:00	2015	3	1	9	2,864
3/1/2015 10:00	2015	3	1	10	2,855

3/1/2015 11:00	2015	3	1	11	2,786
3/1/2015 12:00	2015	3	1	12	2,733
3/1/2015 13:00	2015	3	1	13	2,673
3/1/2015 14:00	2015	3	1	14	2,612
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3/1/2015 16:00	2015	3	1	16	2,673
3/1/2015 17:00	2015	3	1	17	2,719
3/1/2015 18:00	2015	3	1	18	2,850
3/1/2015 19:00	2015	3	1	19	2,894
3/1/2015 20:00	2015	3	1	20	2,895
3/1/2015 21:00	2015	3	1	21	2,807
3/1/2015 22:00	2015	3	1	22	2,746
3/1/2015 23:00	2015	3	1	23	2,661
3/2/2015 0:00	2015	3	2	0	2,619
3/2/2015 1:00	2015	3	2	1	2,614
3/2/2015 2:00	2015	3	2	2	2,635
3/2/2015 3:00	2015	3	2	3	2,668
3/2/2015 4:00	2015	3	2	4	2,734
3/2/2015 5:00	2015	3	2	5	2,970
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3/2/2015 7:00	2015	3	2	7	3,429
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3/2/2015 9:00	2015	3	2	9	3,309
3/2/2015 10:00	2015	3	2	10	3,227
3/2/2015 11:00	2015	3	2	11	3,123
3/2/2015 12:00	2015	3	2	12	3,030
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3/2/2015 15:00	2015	3	2	15	2,782
3/2/2015 16:00	2015	3	2	16	2,777
3/2/2015 17:00	2015	3	2	17	2,855
3/2/2015 18:00	2015	3	2	18	3,044
3/2/2015 19:00	2015	3	2	19	3,211
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3/2/2015 23:00	2015	3	2	23	2,988
3/3/2015 0:00	2015	3	3	0	2,927
3/3/2015 1:00	2015	3	3	1	2,861
3/3/2015 2:00	2015	3	3	2	2,801
3/3/2015 3:00	2015	3	3	3	2,773
3/3/2015 4:00	2015	3	3	4	2,806

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3/3/2015 5:00	2015	3	3	5	2,936
3/3/2015 6:00	2015	3	3	6	3,191
3/3/2015 7:00	2015	3	3	7	3,327
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3/3/2015 9:00	2015	3	3	9	3,263
3/3/2015 10:00	2015	3	3	10	3,222
3/3/2015 11:00	2015	3	3	11	3,103
3/3/2015 12:00	2015	3	3	12	3,024
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3/3/2015 16:00	2015	3	3	16	2,757
3/3/2015 17:00	2015	3	3	17	2,756
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3/3/2015 21:00	2015	3	3	21	2,688
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3/3/2015 23:00	2015	3	3	23	2,390
3/4/2015 0:00	2015	3	4	0	2,271
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3/4/2015 4:00	2015	3	4	4	2,224
3/4/2015 5:00	2015	3	4	5	2,439
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3/4/2015 15:00	2015	3	4	15	3,139
3/4/2015 16:00	2015	3	4	16	3,059
3/4/2015 17:00	2015	3	4	17	3,199
3/4/2015 18:00	2015	3	4	18	3,249
3/4/2015 19:00	2015	3	4	19	3,329
3/4/2015 20:00	2015	3	4	20	3,300
3/4/2015 21:00	2015	3	4	21	3,236
3/4/2015 22:00	2015	3	4	22	3,150

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3/4/2015 23:00	2015	3	4	23	3,081
3/5/2015 0:00	2015	3	5	0	3,057
3/5/2015 1:00	2015	3	5	1	2,986
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3/5/2015 5:00	2015	3	5	5	3,177
3/5/2015 6:00	2015	3	5	6	3,315
3/5/2015 7:00	2015	3	5	7	3,445
3/5/2015 8:00	2015	3	5	8	3,519
3/5/2015 9:00	2015	3	5	9	3,588
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3/5/2015 11:00	2015	3	5	11	3,527
3/5/2015 12:00	2015	3	5	12	3,525
3/5/2015 13:00	2015	3	5	13	3,461
3/5/2015 14:00	2015	3	5	14	3,420
3/5/2015 15:00	2015	3	5	15	3,353
3/5/2015 16:00	2015	3	5	16	3,267
3/5/2015 17:00	2015	3	5	17	3,325
3/5/2015 18:00	2015	3	5	18	3,468
3/5/2015 19:00	2015	3	5	19	3,637
3/5/2015 20:00	2015	3	5	20	3,703
3/5/2015 21:00	2015	3	5	21	3,645
3/5/2015 22:00	2015	3	5	22	3,606
3/5/2015 23:00	2015	3	5	23	3,585
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3/6/2015 1:00	2015	3	6	1	3,618
3/6/2015 2:00	2015	3	6	2	3,642
3/6/2015 3:00	2015	3	6	3	3,746
3/6/2015 4:00	2015	3	6	4	3,810
3/6/2015 5:00	2015	3	6	5	3,921
3/6/2015 6:00	2015	3	6	6	4,120
3/6/2015 7:00	2015	3	6	7	4,261
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3/6/2015 11:00	2015	3	6	11	3,592
3/6/2015 12:00	2015	3	6	12	3,418
3/6/2015 13:00	2015	3	6	13	3,303
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3/6/2015 15:00	2015	3	6	15	3,125
3/6/2015 16:00	2015	3	6	16	3,113

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3/6/2015 17:00	2015	3	6	17	3,109
3/6/2015 18:00	2015	3	6	18	3,316
3/6/2015 19:00	2015	3	6	19	3,468
3/6/2015 20:00	2015	3	6	20	3,482
3/6/2015 21:00	2015	3	6	21	3,486
3/6/2015 22:00	2015	3	6	22	3,401
3/6/2015 23:00	2015	3	6	23	3,344
3/7/2015 0:00	2015	3	7	0	3,310
3/7/2015 1:00	2015	3	7	1	3,254
3/7/2015 2:00	2015	3	7	2	3,283
3/7/2015 3:00	2015	3	7	3	3,266
3/7/2015 4:00	2015	3	7	4	3,297
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3/7/2015 6:00	2015	3	7	6	3,433
3/7/2015 7:00	2015	3	7	7	3,451
3/7/2015 8:00	2015	3	7	8	3,364
3/7/2015 9:00	2015	3	7	9	3,199
3/7/2015 10:00	2015	3	7	10	3,088
3/7/2015 11:00	2015	3	7	11	2,950
3/7/2015 12:00	2015	3	7	12	2,847
3/7/2015 13:00	2015	3	7	13	2,702
3/7/2015 14:00	2015	3	7	14	2,597
3/7/2015 15:00	2015	3	7	15	2,463
3/7/2015 16:00	2015	3	7	16	2,415
3/7/2015 17:00	2015	3	7	17	2,485
3/7/2015 18:00	2015	3	7	18	2,622
3/7/2015 19:00	2015	3	7	19	2,770
3/7/2015 20:00	2015	3	7	20	2,785
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3/7/2015 22:00	2015	3	7	22	2,694
3/7/2015 23:00	2015	3	7	23	2,619
3/8/2015 0:00	2015	3	8	0	2,559
3/8/2015 1:00	2015	3	8	1	2,522
3/8/2015 2:00	2015	3	8	2	2,544
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3/8/2015 6:00	2015	3	8	6	2,774
3/8/2015 7:00	2015	3	8	7	2,848
3/8/2015 8:00	2015	3	8	8	2,818
3/8/2015 9:00	2015	3	8	9	2,645
3/8/2015 10:00	2015	3	8	10	2,511



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3/8/2015 11:00	2015	3	8	11	2,407
3/8/2015 12:00	2015	3	8	12	2,301
3/8/2015 13:00	2015	3	8	13	2,247
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3/8/2015 17:00	2015	3	8	17	2,270
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3/8/2015 19:00	2015	3	8	19	2,543
3/8/2015 20:00	2015	3	8	20	2,504
3/8/2015 21:00	2015	3	8	21	2,460
3/8/2015 22:00	2015	3	8	22	2,314
3/8/2015 23:00	2015	3	8	23	2,298
3/9/2015 0:00	2015	3	9	0	2,234
3/9/2015 1:00	2015	3	9	1	2,227
3/9/2015 2:00	2015	3	9	2	2,260
3/9/2015 3:00	2015	3	9	3	2,305
3/9/2015 4:00	2015	3	9	4	2,514
3/9/2015 5:00	2015	3	9	5	2,795
3/9/2015 6:00	2015	3	9	6	3,012
3/9/2015 7:00	2015	3	9	7	3,033
3/9/2015 8:00	2015	3	9	8	3,016
3/9/2015 9:00	2015	3	9	9	2,938
3/9/2015 10:00	2015	3	9	10	2,850
3/9/2015 11:00	2015	3	9	11	2,749
3/9/2015 12:00	2015	3	9	12	2,655
3/9/2015 13:00	2015	3	9	13	2,576
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3/9/2015 15:00	2015	3	9	15	2,479
3/9/2015 16:00	2015	3	9	16	2,478
3/9/2015 17:00	2015	3	9	17	2,510
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3/9/2015 20:00	2015	3	9	20	2,643
3/9/2015 21:00	2015	3	9	21	2,468
3/9/2015 22:00	2015	3	9	22	2,424
3/9/2015 23:00	2015	3	9	23	2,240
3/10/2015 0:00	2015	3	10	0	2,254
3/10/2015 1:00	2015	3	10	1	2,119
3/10/2015 2:00	2015	3	10	2	2,186
3/10/2015 3:00	2015	3	10	3	2,178
3/10/2015 4:00	2015	3	10	4	2,342

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3/10/2015 5:00	2015	3	10	5	2,606
3/10/2015 6:00	2015	3	10	6	2,803
3/10/2015 7:00	2015	3	10	7	2,822
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3/10/2015 9:00	2015	3	10	9	2,823
3/10/2015 10:00	2015	3	10	10	2,796
3/10/2015 11:00	2015	3	10	11	2,795
3/10/2015 12:00	2015	3	10	12	2,721
3/10/2015 13:00	2015	3	10	13	2,716
3/10/2015 14:00	2015	3	10	14	2,684
3/10/2015 15:00	2015	3	10	15	2,655
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3/10/2015 17:00	2015	3	10	17	2,640
3/10/2015 18:00	2015	3	10	18	2,649
3/10/2015 19:00	2015	3	10	19	2,684
3/10/2015 20:00	2015	3	10	20	2,617
3/10/2015 21:00	2015	3	10	21	2,466
3/10/2015 22:00	2015	3	10	22	2,302
3/10/2015 23:00	2015	3	10	23	2,163
3/11/2015 0:00	2015	3	11	0	2,087
3/11/2015 1:00	2015	3	11	1	2,028
3/11/2015 2:00	2015	3	11	2	2,016
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3/11/2015 4:00	2015	3	11	4	2,135
3/11/2015 5:00	2015	3	11	5	2,468
3/11/2015 6:00	2015	3	11	6	2,603
3/11/2015 7:00	2015	3	11	7	2,632
3/11/2015 8:00	2015	3	11	8	2,670
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3/11/2015 10:00	2015	3	11	10	2,644
3/11/2015 11:00	2015	3	11	11	2,606
3/11/2015 12:00	2015	3	11	12	2,526
3/11/2015 13:00	2015	3	11	13	2,547
3/11/2015 14:00	2015	3	11	14	2,477
3/11/2015 15:00	2015	3	11	15	2,441
3/11/2015 16:00	2015	3	11	16	2,390
3/11/2015 17:00	2015	3	11	17	2,414
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3/11/2015 21:00	2015	3	11	21	2,399
3/11/2015 22:00	2015	3	11	22	2,311

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3/11/2015 23:00	2015	3	11	23	2,174
3/12/2015 0:00	2015	3	12	0	2,150
3/12/2015 1:00	2015	3	12	1	2,115
3/12/2015 2:00	2015	3	12	2	2,094
3/12/2015 3:00	2015	3	12	3	2,156
3/12/2015 4:00	2015	3	12	4	2,290
3/12/2015 5:00	2015	3	12	5	2,627
3/12/2015 6:00	2015	3	12	6	2,814
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3/12/2015 8:00	2015	3	12	8	2,742
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3/12/2015 10:00	2015	3	12	10	2,675
3/12/2015 11:00	2015	3	12	11	2,620
3/12/2015 12:00	2015	3	12	12	2,530
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3/12/2015 14:00	2015	3	12	14	2,446
3/12/2015 15:00	2015	3	12	15	2,331
3/12/2015 16:00	2015	3	12	16	2,353
3/12/2015 17:00	2015	3	12	17	2,338
3/12/2015 18:00	2015	3	12	18	2,412
3/12/2015 19:00	2015	3	12	19	2,526
3/12/2015 20:00	2015	3	12	20	2,487
3/12/2015 21:00	2015	3	12	21	2,401
3/12/2015 22:00	2015	3	12	22	2,229
3/12/2015 23:00	2015	3	12	23	2,105
3/13/2015 0:00	2015	3	13	0	2,009
3/13/2015 1:00	2015	3	13	1	1,980
3/13/2015 2:00	2015	3	13	2	1,949
3/13/2015 3:00	2015	3	13	3	1,952
3/13/2015 4:00	2015	3	13	4	2,076
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3/13/2015 7:00	2015	3	13	7	2,590
3/13/2015 8:00	2015	3	13	8	2,642
3/13/2015 9:00	2015	3	13	9	2,682
3/13/2015 10:00	2015	3	13	10	2,686
3/13/2015 11:00	2015	3	13	11	2,697
3/13/2015 12:00	2015	3	13	12	2,654
3/13/2015 13:00	2015	3	13	13	2,586
3/13/2015 14:00	2015	3	13	14	2,595
3/13/2015 15:00	2015	3	13	15	2,567
3/13/2015 16:00	2015	3	13	16	2,541

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3/13/2015 17:00	2015	3	13	17	2,567
3/13/2015 18:00	2015	3	13	18	2,540
3/13/2015 19:00	2015	3	13	19	2,559
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3/13/2015 22:00	2015	3	13	22	2,311
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3/14/2015 0:00	2015	3	14	0	2,039
3/14/2015 1:00	2015	3	14	1	1,961
3/14/2015 2:00	2015	3	14	2	1,949
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3/14/2015 6:00	2015	3	14	6	2,099
3/14/2015 7:00	2015	3	14	7	2,233
3/14/2015 8:00	2015	3	14	8	2,280
3/14/2015 9:00	2015	3	14	9	2,325
3/14/2015 10:00	2015	3	14	10	2,322
3/14/2015 11:00	2015	3	14	11	2,317
3/14/2015 12:00	2015	3	14	12	2,218
3/14/2015 13:00	2015	3	14	13	2,186
3/14/2015 14:00	2015	3	14	14	2,167
3/14/2015 15:00	2015	3	14	15	2,143
3/14/2015 16:00	2015	3	14	16	2,132
3/14/2015 17:00	2015	3	14	17	2,106
3/14/2015 18:00	2015	3	14	18	2,195
3/14/2015 19:00	2015	3	14	19	2,226
3/14/2015 20:00	2015	3	14	20	2,204
3/14/2015 21:00	2015	3	14	21	2,125
3/14/2015 22:00	2015	3	14	22	2,035
3/14/2015 23:00	2015	3	14	23	1,954
3/15/2015 0:00	2015	3	15	0	1,902
3/15/2015 1:00	2015	3	15	1	1,865
3/15/2015 2:00	2015	3	15	2	1,875
3/15/2015 3:00	2015	3	15	3	1,940
3/15/2015 4:00	2015	3	15	4	2,008
3/15/2015 5:00	2015	3	15	5	2,109
3/15/2015 6:00	2015	3	15	6	2,213
3/15/2015 7:00	2015	3	15	7	2,283
3/15/2015 8:00	2015	3	15	8	2,283
3/15/2015 9:00	2015	3	15	9	2,196
3/15/2015 10:00	2015	3	15	10	2,134

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3/15/2015 11:00	2015	3	15	11	2,093
3/15/2015 12:00	2015	3	15	12	2,033
3/15/2015 13:00	2015	3	15	13	1,981
3/15/2015 14:00	2015	3	15	14	1,941
3/15/2015 15:00	2015	3	15	15	1,944
3/15/2015 16:00	2015	3	15	16	1,970
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3/15/2015 19:00	2015	3	15	19	2,227
3/15/2015 20:00	2015	3	15	20	2,133
3/15/2015 21:00	2015	3	15	21	2,112
3/15/2015 22:00	2015	3	15	22	1,947
3/15/2015 23:00	2015	3	15	23	1,918
3/16/2015 0:00	2015	3	16	0	1,881
3/16/2015 1:00	2015	3	16	1	1,901
3/16/2015 2:00	2015	3	16	2	1,922
3/16/2015 3:00	2015	3	16	3	1,966
3/16/2015 4:00	2015	3	16	4	2,107
3/16/2015 5:00	2015	3	16	5	2,438
3/16/2015 6:00	2015	3	16	6	2,697
3/16/2015 7:00	2015	3	16	7	2,624
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3/16/2015 9:00	2015	3	16	9	2,582
3/16/2015 10:00	2015	3	16	10	2,498
3/16/2015 11:00	2015	3	16	11	2,397
3/16/2015 12:00	2015	3	16	12	2,379
3/16/2015 13:00	2015	3	16	13	2,425
3/16/2015 14:00	2015	3	16	14	2,408
3/16/2015 15:00	2015	3	16	15	2,307
3/16/2015 16:00	2015	3	16	16	2,276
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3/16/2015 18:00	2015	3	16	18	2,284
3/16/2015 19:00	2015	3	16	19	2,481
3/16/2015 20:00	2015	3	16	20	2,425
3/16/2015 21:00	2015	3	16	21	2,244
3/16/2015 22:00	2015	3	16	22	2,123
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3/17/2015 1:00	2015	3	17	1	1,870
3/17/2015 2:00	2015	3	17	2	1,803
3/17/2015 3:00	2015	3	17	3	1,801
3/17/2015 4:00	2015	3	17	4	1,937

3/17/2015 5:00	2015	3	17	5	2,238
3/17/2015 6:00	2015	3	17	6	2,445
3/17/2015 7:00	2015	3	17	7	2,515
3/17/2015 8:00	2015	3	17	8	2,490
3/17/2015 9:00	2015	3	17	9	2,533
3/17/2015 10:00	2015	3	17	10	2,467
3/17/2015 11:00	2015	3	17	11	2,497
3/17/2015 12:00	2015	3	17	12	2,436
3/17/2015 13:00	2015	3	17	13	2,381
3/17/2015 14:00	2015	3	17	14	2,357
3/17/2015 15:00	2015	3	17	15	2,264
3/17/2015 16:00	2015	3	17	16	2,303
3/17/2015 17:00	2015	3	17	17	2,289
3/17/2015 18:00	2015	3	17	18	2,312
3/17/2015 19:00	2015	3	17	19	2,453
3/17/2015 20:00	2015	3	17	20	2,416
3/17/2015 21:00	2015	3	17	21	2,338
3/17/2015 22:00	2015	3	17	22	2,282
3/17/2015 23:00	2015	3	17	23	2,220
3/18/2015 0:00	2015	3	18	0	2,129
3/18/2015 1:00	2015	3	18	1	2,184
3/18/2015 2:00	2015	3	18	2	2,209
3/18/2015 3:00	2015	3	18	3	2,260
3/18/2015 4:00	2015	3	18	4	2,479
3/18/2015 5:00	2015	3	18	5	2,850
3/18/2015 6:00	2015	3	18	6	3,023
3/18/2015 7:00	2015	3	18	7	2,990
3/18/2015 8:00	2015	3	18	8	2,933
3/18/2015 9:00	2015	3	18	9	2,891
3/18/2015 10:00	2015	3	18	10	2,840
3/18/2015 11:00	2015	3	18	11	2,783
3/18/2015 12:00	2015	3	18	12	2,709
3/18/2015 13:00	2015	3	18	13	2,650
3/18/2015 14:00	2015	3	18	14	2,551
3/18/2015 15:00	2015	3	18	15	2,541
3/18/2015 16:00	2015	3	18	16	2,575
3/18/2015 17:00	2015	3	18	17	2,627
3/18/2015 18:00	2015	3	18	18	2,636
3/18/2015 19:00	2015	3	18	19	2,805
3/18/2015 20:00	2015	3	18	20	2,685
3/18/2015 21:00	2015	3	18	21	2,639
3/18/2015 22:00	2015	3	18	22	2,447

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3/18/2015 23:00	2015	3	18	23	2,354
3/19/2015 0:00	2015	3	19	0	2,302
3/19/2015 1:00	2015	3	19	1	2,184
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3/19/2015 3:00	2015	3	19	3	2,264
3/19/2015 4:00	2015	3	19	4	2,390
3/19/2015 5:00	2015	3	19	5	2,652
3/19/2015 6:00	2015	3	19	6	2,901
3/19/2015 7:00	2015	3	19	7	2,922
3/19/2015 8:00	2015	3	19	8	2,868
3/19/2015 9:00	2015	3	19	9	2,905
3/19/2015 10:00	2015	3	19	10	2,841
3/19/2015 11:00	2015	3	19	11	2,848
3/19/2015 12:00	2015	3	19	12	2,762
3/19/2015 13:00	2015	3	19	13	2,745
3/19/2015 14:00	2015	3	19	14	2,677
3/19/2015 15:00	2015	3	19	15	2,705
3/19/2015 16:00	2015	3	19	16	2,692
3/19/2015 17:00	2015	3	19	17	2,663
3/19/2015 18:00	2015	3	19	18	2,705
3/19/2015 19:00	2015	3	19	19	2,806
3/19/2015 20:00	2015	3	19	20	2,725
3/19/2015 21:00	2015	3	19	21	2,555
3/19/2015 22:00	2015	3	19	22	2,483
3/19/2015 23:00	2015	3	19	23	2,332
3/20/2015 0:00	2015	3	20	0	2,237
3/20/2015 1:00	2015	3	20	1	2,169
3/20/2015 2:00	2015	3	20	2	2,113
3/20/2015 3:00	2015	3	20	3	2,161
3/20/2015 4:00	2015	3	20	4	2,276
3/20/2015 5:00	2015	3	20	5	2,539
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3/20/2015 7:00	2015	3	20	7	2,735
3/20/2015 8:00	2015	3	20	8	2,719
3/20/2015 9:00	2015	3	20	9	2,699
3/20/2015 10:00	2015	3	20	10	2,745
3/20/2015 11:00	2015	3	20	11	2,730
3/20/2015 12:00	2015	3	20	12	2,672
3/20/2015 13:00	2015	3	20	13	2,626
3/20/2015 14:00	2015	3	20	14	2,608
3/20/2015 15:00	2015	3	20	15	2,521
3/20/2015 16:00	2015	3	20	16	2,562

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3/20/2015 17:00	2015	3	20	17	2,545
3/20/2015 18:00	2015	3	20	18	2,534
3/20/2015 19:00	2015	3	20	19	2,610
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3/20/2015 22:00	2015	3	20	22	2,304
3/20/2015 23:00	2015	3	20	23	2,161
3/21/2015 0:00	2015	3	21	0	2,088
3/21/2015 1:00	2015	3	21	1	2,092
3/21/2015 2:00	2015	3	21	2	2,063
3/21/2015 3:00	2015	3	21	3	2,068
3/21/2015 4:00	2015	3	21	4	2,078
3/21/2015 5:00	2015	3	21	5	2,179
3/21/2015 6:00	2015	3	21	6	2,303
3/21/2015 7:00	2015	3	21	7	2,399
3/21/2015 8:00	2015	3	21	8	2,369
3/21/2015 9:00	2015	3	21	9	2,331
3/21/2015 10:00	2015	3	21	10	2,270
3/21/2015 11:00	2015	3	21	11	2,207
3/21/2015 12:00	2015	3	21	12	2,121
3/21/2015 13:00	2015	3	21	13	2,069
3/21/2015 14:00	2015	3	21	14	1,977
3/21/2015 15:00	2015	3	21	15	1,912
3/21/2015 16:00	2015	3	21	16	1,963
3/21/2015 17:00	2015	3	21	17	1,958
3/21/2015 18:00	2015	3	21	18	1,989
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3/21/2015 20:00	2015	3	21	20	2,084
3/21/2015 21:00	2015	3	21	21	2,041
3/21/2015 22:00	2015	3	21	22	1,952
3/21/2015 23:00	2015	3	21	23	1,848
3/22/2015 0:00	2015	3	22	0	1,808
3/22/2015 1:00	2015	3	22	1	1,793
3/22/2015 2:00	2015	3	22	2	1,794
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3/22/2015 9:00	2015	3	22	9	2,231
3/22/2015 10:00	2015	3	22	10	2,160



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3/22/2015 11:00	2015	3	22	11	2,104
3/22/2015 12:00	2015	3	22	12	2,074
3/22/2015 13:00	2015	3	22	13	1,968
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3/22/2015 15:00	2015	3	22	15	1,943
3/22/2015 16:00	2015	3	22	16	2,041
3/22/2015 17:00	2015	3	22	17	2,011
3/22/2015 18:00	2015	3	22	18	2,069
3/22/2015 19:00	2015	3	22	19	2,290
3/22/2015 20:00	2015	3	22	20	2,291
3/22/2015 21:00	2015	3	22	21	2,195
3/22/2015 22:00	2015	3	22	22	2,090
3/22/2015 23:00	2015	3	22	23	2,034
3/23/2015 0:00	2015	3	23	0	2,009
3/23/2015 1:00	2015	3	23	1	2,038
3/23/2015 2:00	2015	3	23	2	2,065
3/23/2015 3:00	2015	3	23	3	2,167
3/23/2015 4:00	2015	3	23	4	2,356
3/23/2015 5:00	2015	3	23	5	2,689
3/23/2015 6:00	2015	3	23	6	2,886
3/23/2015 7:00	2015	3	23	7	2,874
3/23/2015 8:00	2015	3	23	8	2,813
3/23/2015 9:00	2015	3	23	9	2,729
3/23/2015 10:00	2015	3	23	10	2,631
3/23/2015 11:00	2015	3	23	11	2,558
3/23/2015 12:00	2015	3	23	12	2,526
3/23/2015 13:00	2015	3	23	13	2,481
3/23/2015 14:00	2015	3	23	14	2,439
3/23/2015 15:00	2015	3	23	15	2,346
3/23/2015 16:00	2015	3	23	16	2,347
3/23/2015 17:00	2015	3	23	17	2,373
3/23/2015 18:00	2015	3	23	18	2,426
3/23/2015 19:00	2015	3	23	19	2,505
3/23/2015 20:00	2015	3	23	20	2,509
3/23/2015 21:00	2015	3	23	21	2,360
3/23/2015 22:00	2015	3	23	22	2,227
3/23/2015 23:00	2015	3	23	23	2,155
3/24/2015 0:00	2015	3	24	0	2,090
3/24/2015 1:00	2015	3	24	1	2,073
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3/24/2015 3:00	2015	3	24	3	2,158
3/24/2015 4:00	2015	3	24	4	2,344

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3/24/2015 5:00	2015	3	24	5	2,667
3/24/2015 6:00	2015	3	24	6	2,909
3/24/2015 7:00	2015	3	24	7	2,910
3/24/2015 8:00	2015	3	24	8	2,826
3/24/2015 9:00	2015	3	24	9	2,776
3/24/2015 10:00	2015	3	24	10	2,689
3/24/2015 11:00	2015	3	24	11	2,666
3/24/2015 12:00	2015	3	24	12	2,581
3/24/2015 13:00	2015	3	24	13	2,539
3/24/2015 14:00	2015	3	24	14	2,512
3/24/2015 15:00	2015	3	24	15	2,490
3/24/2015 16:00	2015	3	24	16	2,469
3/24/2015 17:00	2015	3	24	17	2,507
3/24/2015 18:00	2015	3	24	18	2,592
3/24/2015 19:00	2015	3	24	19	2,673
3/24/2015 20:00	2015	3	24	20	2,577
3/24/2015 21:00	2015	3	24	21	2,439
3/24/2015 22:00	2015	3	24	22	2,266
3/24/2015 23:00	2015	3	24	23	2,179
3/25/2015 0:00	2015	3	25	0	2,072
3/25/2015 1:00	2015	3	25	1	2,109
3/25/2015 2:00	2015	3	25	2	2,060
3/25/2015 3:00	2015	3	25	3	2,033
3/25/2015 4:00	2015	3	25	4	2,132
3/25/2015 5:00	2015	3	25	5	2,405
3/25/2015 6:00	2015	3	25	6	2,547
3/25/2015 7:00	2015	3	25	7	2,515
3/25/2015 8:00	2015	3	25	8	2,499
3/25/2015 9:00	2015	3	25	9	2,459
3/25/2015 10:00	2015	3	25	10	2,420
3/25/2015 11:00	2015	3	25	11	2,405
3/25/2015 12:00	2015	3	25	12	2,371
3/25/2015 13:00	2015	3	25	13	2,348
3/25/2015 14:00	2015	3	25	14	2,330
3/25/2015 15:00	2015	3	25	15	2,295
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3/25/2015 17:00	2015	3	25	17	2,267
3/25/2015 18:00	2015	3	25	18	2,267
3/25/2015 19:00	2015	3	25	19	2,411
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3/25/2015 21:00	2015	3	25	21	2,181
3/25/2015 22:00	2015	3	25	22	2,046

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3/25/2015 23:00	2015	3	25	23	1,907
3/26/2015 0:00	2015	3	26	0	1,812
3/26/2015 1:00	2015	3	26	1	1,756
3/26/2015 2:00	2015	3	26	2	1,733
3/26/2015 3:00	2015	3	26	3	1,765
3/26/2015 4:00	2015	3	26	4	1,856
3/26/2015 5:00	2015	3	26	5	2,125
3/26/2015 6:00	2015	3	26	6	2,345
3/26/2015 7:00	2015	3	26	7	2,364
3/26/2015 8:00	2015	3	26	8	2,417
3/26/2015 9:00	2015	3	26	9	2,448
3/26/2015 10:00	2015	3	26	10	2,443
3/26/2015 11:00	2015	3	26	11	2,465
3/26/2015 12:00	2015	3	26	12	2,474
3/26/2015 13:00	2015	3	26	13	2,467
3/26/2015 14:00	2015	3	26	14	2,462
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3/26/2015 16:00	2015	3	26	16	2,487
3/26/2015 17:00	2015	3	26	17	2,526
3/26/2015 18:00	2015	3	26	18	2,581
3/26/2015 19:00	2015	3	26	19	2,644
3/26/2015 20:00	2015	3	26	20	2,585
3/26/2015 21:00	2015	3	26	21	2,462
3/26/2015 22:00	2015	3	26	22	2,363
3/26/2015 23:00	2015	3	26	23	2,283
3/27/2015 0:00	2015	3	27	0	2,186
3/27/2015 1:00	2015	3	27	1	2,170
3/27/2015 2:00	2015	3	27	2	2,182
3/27/2015 3:00	2015	3	27	3	2,236
3/27/2015 4:00	2015	3	27	4	2,390
3/27/2015 5:00	2015	3	27	5	2,678
3/27/2015 6:00	2015	3	27	6	2,891
3/27/2015 7:00	2015	3	27	7	2,927
3/27/2015 8:00	2015	3	27	8	2,891
3/27/2015 9:00	2015	3	27	9	2,823
3/27/2015 10:00	2015	3	27	10	2,755
3/27/2015 11:00	2015	3	27	11	2,721
3/27/2015 12:00	2015	3	27	12	2,689
3/27/2015 13:00	2015	3	27	13	2,683
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3/27/2015 15:00	2015	3	27	15	2,720
3/27/2015 16:00	2015	3	27	16	2,733

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3/27/2015 17:00	2015	3	27	17	2,767
3/27/2015 18:00	2015	3	27	18	2,858
3/27/2015 19:00	2015	3	27	19	2,975
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3/27/2015 22:00	2015	3	27	22	2,796
3/27/2015 23:00	2015	3	27	23	2,701
3/28/2015 0:00	2015	3	28	0	2,670
3/28/2015 1:00	2015	3	28	1	2,662
3/28/2015 2:00	2015	3	28	2	2,659
3/28/2015 3:00	2015	3	28	3	2,712
3/28/2015 4:00	2015	3	28	4	2,814
3/28/2015 5:00	2015	3	28	5	2,898
3/28/2015 6:00	2015	3	28	6	3,038
3/28/2015 7:00	2015	3	28	7	3,095
3/28/2015 8:00	2015	3	28	8	3,038
3/28/2015 9:00	2015	3	28	9	2,950
3/28/2015 10:00	2015	3	28	10	2,812
3/28/2015 11:00	2015	3	28	11	2,703
3/28/2015 12:00	2015	3	28	12	2,607
3/28/2015 13:00	2015	3	28	13	2,481
3/28/2015 14:00	2015	3	28	14	2,383
3/28/2015 15:00	2015	3	28	15	2,347
3/28/2015 16:00	2015	3	28	16	2,300
3/28/2015 17:00	2015	3	28	17	2,303
3/28/2015 18:00	2015	3	28	18	2,394
3/28/2015 19:00	2015	3	28	19	2,615
3/28/2015 20:00	2015	3	28	20	2,637
3/28/2015 21:00	2015	3	28	21	2,612
3/28/2015 22:00	2015	3	28	22	2,598
3/28/2015 23:00	2015	3	28	23	2,553
3/29/2015 0:00	2015	3	29	0	2,542
3/29/2015 1:00	2015	3	29	1	2,573
3/29/2015 2:00	2015	3	29	2	2,636
3/29/2015 3:00	2015	3	29	3	2,694
3/29/2015 4:00	2015	3	29	4	2,733
3/29/2015 5:00	2015	3	29	5	2,841
3/29/2015 6:00	2015	3	29	6	2,929
3/29/2015 7:00	2015	3	29	7	2,954
3/29/2015 8:00	2015	3	29	8	2,842
3/29/2015 9:00	2015	3	29	9	2,602
3/29/2015 10:00	2015	3	29	10	2,436

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3/29/2015 11:00	2015	3	29	11	2,315
3/29/2015 12:00	2015	3	29	12	2,250
3/29/2015 13:00	2015	3	29	13	2,219
3/29/2015 14:00	2015	3	29	14	2,084
3/29/2015 15:00	2015	3	29	15	2,096
3/29/2015 16:00	2015	3	29	16	2,095
3/29/2015 17:00	2015	3	29	17	2,078
3/29/2015 18:00	2015	3	29	18	2,191
3/29/2015 19:00	2015	3	29	19	2,342
3/29/2015 20:00	2015	3	29	20	2,246
3/29/2015 21:00	2015	3	29	21	2,145
3/29/2015 22:00	2015	3	29	22	2,093
3/29/2015 23:00	2015	3	29	23	2,007
3/30/2015 0:00	2015	3	30	0	1,937
3/30/2015 1:00	2015	3	30	1	1,951
3/30/2015 2:00	2015	3	30	2	1,983
3/30/2015 3:00	2015	3	30	3	1,975
3/30/2015 4:00	2015	3	30	4	2,097
3/30/2015 5:00	2015	3	30	5	2,380
3/30/2015 6:00	2015	3	30	6	2,551
3/30/2015 7:00	2015	3	30	7	2,572
3/30/2015 8:00	2015	3	30	8	2,550
3/30/2015 9:00	2015	3	30	9	2,504
3/30/2015 10:00	2015	3	30	10	2,568
3/30/2015 11:00	2015	3	30	11	2,528
3/30/2015 12:00	2015	3	30	12	2,442
3/30/2015 13:00	2015	3	30	13	2,457
3/30/2015 14:00	2015	3	30	14	2,376
3/30/2015 15:00	2015	3	30	15	2,285
3/30/2015 16:00	2015	3	30	16	2,230
3/30/2015 17:00	2015	3	30	17	2,272
3/30/2015 18:00	2015	3	30	18	2,337
3/30/2015 19:00	2015	3	30	19	2,395
3/30/2015 20:00	2015	3	30	20	2,390
3/30/2015 21:00	2015	3	30	21	2,332
3/30/2015 22:00	2015	3	30	22	2,207
3/30/2015 23:00	2015	3	30	23	2,118
3/31/2015 0:00	2015	3	31	0	2,047
3/31/2015 1:00	2015	3	31	1	2,052
3/31/2015 2:00	2015	3	31	2	2,098
3/31/2015 3:00	2015	3	31	3	2,100
3/31/2015 4:00	2015	3	31	4	2,278

3/31/2015 5:00	2015	3	31	5	2,570
3/31/2015 6:00	2015	3	31	6	2,721
3/31/2015 7:00	2015	3	31	7	2,740
3/31/2015 8:00	2015	3	31	8	2,661
3/31/2015 9:00	2015	3	31	9	2,561
3/31/2015 10:00	2015	3	31	10	2,479
3/31/2015 11:00	2015	3	31	11	2,418
3/31/2015 12:00	2015	3	31	12	2,460
3/31/2015 13:00	2015	3	31	13	2,408
3/31/2015 14:00	2015	3	31	14	2,384
3/31/2015 15:00	2015	3	31	15	2,310
3/31/2015 16:00	2015	3	31	16	2,246
3/31/2015 17:00	2015	3	31	17	2,284
3/31/2015 18:00	2015	3	31	18	2,294
3/31/2015 19:00	2015	3	31	19	2,420
3/31/2015 20:00	2015	3	31	20	2,412
3/31/2015 21:00	2015	3	31	21	2,256
3/31/2015 22:00	2015	3	31	22	2,067
3/31/2015 23:00	2015	3	31	23	1,928
4/1/2015 0:00	2015	4	1	0	1,953
4/1/2015 1:00	2015	4	1	1	1,899
4/1/2015 2:00	2015	4	1	2	1,902
4/1/2015 3:00	2015	4	1	3	1,961
4/1/2015 4:00	2015	4	1	4	2,114
4/1/2015 5:00	2015	4	1	5	2,402
4/1/2015 6:00	2015	4	1	6	2,639
4/1/2015 7:00	2015	4	1	7	2,626
4/1/2015 8:00	2015	4	1	8	2,567
4/1/2015 9:00	2015	4	1	9	2,527
4/1/2015 10:00	2015	4	1	10	2,450
4/1/2015 11:00	2015	4	1	11	2,369
4/1/2015 12:00	2015	4	1	12	2,383
4/1/2015 13:00	2015	4	1	13	2,354
4/1/2015 14:00	2015	4	1	14	2,343
4/1/2015 15:00	2015	4	1	15	2,301
4/1/2015 16:00	2015	4	1	16	2,263
4/1/2015 17:00	2015	4	1	17	2,325
4/1/2015 18:00	2015	4	1	18	2,284
4/1/2015 19:00	2015	4	1	19	2,425
4/1/2015 20:00	2015	4	1	20	2,403
4/1/2015 21:00	2015	4	1	21	2,252
4/1/2015 22:00	2015	4	1	22	2,124

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4/1/2015 23:00	2015	4	1	23	2,002
4/2/2015 0:00	2015	4	2	0	1,906
4/2/2015 1:00	2015	4	2	1	1,900
4/2/2015 2:00	2015	4	2	2	1,876
4/2/2015 3:00	2015	4	2	3	1,927
4/2/2015 4:00	2015	4	2	4	2,023
4/2/2015 5:00	2015	4	2	5	2,238
4/2/2015 6:00	2015	4	2	6	2,364
4/2/2015 7:00	2015	4	2	7	2,433
4/2/2015 8:00	2015	4	2	8	2,425
4/2/2015 9:00	2015	4	2	9	2,432
4/2/2015 10:00	2015	4	2	10	2,478
4/2/2015 11:00	2015	4	2	11	2,465
4/2/2015 12:00	2015	4	2	12	2,451
4/2/2015 13:00	2015	4	2	13	2,420
4/2/2015 14:00	2015	4	2	14	2,381
4/2/2015 15:00	2015	4	2	15	2,365
4/2/2015 16:00	2015	4	2	16	2,379
4/2/2015 17:00	2015	4	2	17	2,350
4/2/2015 18:00	2015	4	2	18	2,374
4/2/2015 19:00	2015	4	2	19	2,397
4/2/2015 20:00	2015	4	2	20	2,362
4/2/2015 21:00	2015	4	2	21	2,212
4/2/2015 22:00	2015	4	2	22	2,042
4/2/2015 23:00	2015	4	2	23	1,879
4/3/2015 0:00	2015	4	3	0	1,813
4/3/2015 1:00	2015	4	3	1	1,757
4/3/2015 2:00	2015	4	3	2	1,761
4/3/2015 3:00	2015	4	3	3	1,770
4/3/2015 4:00	2015	4	3	4	1,851
4/3/2015 5:00	2015	4	3	5	2,007
4/3/2015 6:00	2015	4	3	6	2,152
4/3/2015 7:00	2015	4	3	7	2,227
4/3/2015 8:00	2015	4	3	8	2,296
4/3/2015 9:00	2015	4	3	9	2,313
4/3/2015 10:00	2015	4	3	10	2,340
4/3/2015 11:00	2015	4	3	11	2,292
4/3/2015 12:00	2015	4	3	12	2,307
4/3/2015 13:00	2015	4	3	13	2,215
4/3/2015 14:00	2015	4	3	14	2,244
4/3/2015 15:00	2015	4	3	15	2,195
4/3/2015 16:00	2015	4	3	16	2,192

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4/3/2015 17:00	2015	4	3	17	2,197
4/3/2015 18:00	2015	4	3	18	2,175
4/3/2015 19:00	2015	4	3	19	2,188
4/3/2015 20:00	2015	4	3	20	2,155
4/3/2015 21:00	2015	4	3	21	2,091
4/3/2015 22:00	2015	4	3	22	2,005
4/3/2015 23:00	2015	4	3	23	1,921
4/4/2015 0:00	2015	4	4	0	1,839
4/4/2015 1:00	2015	4	4	1	1,824
4/4/2015 2:00	2015	4	4	2	1,829
4/4/2015 3:00	2015	4	4	3	1,797
4/4/2015 4:00	2015	4	4	4	1,923
4/4/2015 5:00	2015	4	4	5	2,034
4/4/2015 6:00	2015	4	4	6	2,132
4/4/2015 7:00	2015	4	4	7	2,251
4/4/2015 8:00	2015	4	4	8	2,300
4/4/2015 9:00	2015	4	4	9	2,236
4/4/2015 10:00	2015	4	4	10	2,203
4/4/2015 11:00	2015	4	4	11	2,140
4/4/2015 12:00	2015	4	4	12	2,071
4/4/2015 13:00	2015	4	4	13	1,996
4/4/2015 14:00	2015	4	4	14	1,984
4/4/2015 15:00	2015	4	4	15	1,920
4/4/2015 16:00	2015	4	4	16	1,926
4/4/2015 17:00	2015	4	4	17	1,867
4/4/2015 18:00	2015	4	4	18	1,937
4/4/2015 19:00	2015	4	4	19	2,090
4/4/2015 20:00	2015	4	4	20	2,054
4/4/2015 21:00	2015	4	4	21	2,051
4/4/2015 22:00	2015	4	4	22	2,031
4/4/2015 23:00	2015	4	4	23	1,975
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4/5/2015 3:00	2015	4	5	3	2,029
4/5/2015 4:00	2015	4	5	4	2,076
4/5/2015 5:00	2015	4	5	5	2,220
4/5/2015 6:00	2015	4	5	6	2,291
4/5/2015 7:00	2015	4	5	7	2,374
4/5/2015 8:00	2015	4	5	8	2,301
4/5/2015 9:00	2015	4	5	9	2,175
4/5/2015 10:00	2015	4	5	10	2,027



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4/5/2015 11:00	2015	4	5	11	1,956
4/5/2015 12:00	2015	4	5	12	1,899
4/5/2015 13:00	2015	4	5	13	1,840
4/5/2015 14:00	2015	4	5	14	1,792
4/5/2015 15:00	2015	4	5	15	1,748
4/5/2015 16:00	2015	4	5	16	1,800
4/5/2015 17:00	2015	4	5	17	1,820
4/5/2015 18:00	2015	4	5	18	1,860
4/5/2015 19:00	2015	4	5	19	2,059
4/5/2015 20:00	2015	4	5	20	2,021
4/5/2015 21:00	2015	4	5	21	1,894
4/5/2015 22:00	2015	4	5	22	1,864
4/5/2015 23:00	2015	4	5	23	1,773
4/6/2015 0:00	2015	4	6	0	1,751
4/6/2015 1:00	2015	4	6	1	1,767
4/6/2015 2:00	2015	4	6	2	1,695
4/6/2015 3:00	2015	4	6	3	1,856
4/6/2015 4:00	2015	4	6	4	1,996
4/6/2015 5:00	2015	4	6	5	2,238
4/6/2015 6:00	2015	4	6	6	2,383
4/6/2015 7:00	2015	4	6	7	2,476
4/6/2015 8:00	2015	4	6	8	2,505
4/6/2015 9:00	2015	4	6	9	2,467
4/6/2015 10:00	2015	4	6	10	2,416
4/6/2015 11:00	2015	4	6	11	2,448
4/6/2015 12:00	2015	4	6	12	2,413
4/6/2015 13:00	2015	4	6	13	2,408
4/6/2015 14:00	2015	4	6	14	2,361
4/6/2015 15:00	2015	4	6	15	2,296
4/6/2015 16:00	2015	4	6	16	2,336
4/6/2015 17:00	2015	4	6	17	2,356
4/6/2015 18:00	2015	4	6	18	2,345
4/6/2015 19:00	2015	4	6	19	2,401
4/6/2015 20:00	2015	4	6	20	2,378
4/6/2015 21:00	2015	4	6	21	2,238
4/6/2015 22:00	2015	4	6	22	2,104
4/6/2015 23:00	2015	4	6	23	1,988
4/7/2015 0:00	2015	4	7	0	1,897
4/7/2015 1:00	2015	4	7	1	1,832
4/7/2015 2:00	2015	4	7	2	1,815
4/7/2015 3:00	2015	4	7	3	1,799
4/7/2015 4:00	2015	4	7	4	1,907

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4/7/2015 5:00	2015	4	7	5	2,132
4/7/2015 6:00	2015	4	7	6	2,348
4/7/2015 7:00	2015	4	7	7	2,402
4/7/2015 8:00	2015	4	7	8	2,433
4/7/2015 9:00	2015	4	7	9	2,484
4/7/2015 10:00	2015	4	7	10	2,504
4/7/2015 11:00	2015	4	7	11	2,509
4/7/2015 12:00	2015	4	7	12	2,483
4/7/2015 13:00	2015	4	7	13	2,475
4/7/2015 14:00	2015	4	7	14	2,470
4/7/2015 15:00	2015	4	7	15	2,420
4/7/2015 16:00	2015	4	7	16	2,410
4/7/2015 17:00	2015	4	7	17	2,447
4/7/2015 18:00	2015	4	7	18	2,348
4/7/2015 19:00	2015	4	7	19	2,454
4/7/2015 20:00	2015	4	7	20	2,377
4/7/2015 21:00	2015	4	7	21	2,207
4/7/2015 22:00	2015	4	7	22	2,103
4/7/2015 23:00	2015	4	7	23	1,988
4/8/2015 0:00	2015	4	8	0	1,932
4/8/2015 1:00	2015	4	8	1	1,864
4/8/2015 2:00	2015	4	8	2	1,832
4/8/2015 3:00	2015	4	8	3	1,870
4/8/2015 4:00	2015	4	8	4	1,982
4/8/2015 5:00	2015	4	8	5	2,178
4/8/2015 6:00	2015	4	8	6	2,331
4/8/2015 7:00	2015	4	8	7	2,384
4/8/2015 8:00	2015	4	8	8	2,419
4/8/2015 9:00	2015	4	8	9	2,437
4/8/2015 10:00	2015	4	8	10	2,451
4/8/2015 11:00	2015	4	8	11	2,498
4/8/2015 12:00	2015	4	8	12	2,547
4/8/2015 13:00	2015	4	8	13	2,563
4/8/2015 14:00	2015	4	8	14	2,563
4/8/2015 15:00	2015	4	8	15	2,519
4/8/2015 16:00	2015	4	8	16	2,545
4/8/2015 17:00	2015	4	8	17	2,544
4/8/2015 18:00	2015	4	8	18	2,517
4/8/2015 19:00	2015	4	8	19	2,546
4/8/2015 20:00	2015	4	8	20	2,414
4/8/2015 21:00	2015	4	8	21	2,325
4/8/2015 22:00	2015	4	8	22	2,164

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4/8/2015 23:00	2015	4	8	23	2,037
4/9/2015 0:00	2015	4	9	0	1,896
4/9/2015 1:00	2015	4	9	1	1,849
4/9/2015 2:00	2015	4	9	2	1,849
4/9/2015 3:00	2015	4	9	3	1,864
4/9/2015 4:00	2015	4	9	4	1,968
4/9/2015 5:00	2015	4	9	5	2,195
4/9/2015 6:00	2015	4	9	6	2,312
4/9/2015 7:00	2015	4	9	7	2,400
4/9/2015 8:00	2015	4	9	8	2,462
4/9/2015 9:00	2015	4	9	9	2,544
4/9/2015 10:00	2015	4	9	10	2,535
4/9/2015 11:00	2015	4	9	11	2,658
4/9/2015 12:00	2015	4	9	12	2,669
4/9/2015 13:00	2015	4	9	13	2,687
4/9/2015 14:00	2015	4	9	14	2,716
4/9/2015 15:00	2015	4	9	15	2,684
4/9/2015 16:00	2015	4	9	16	2,656
4/9/2015 17:00	2015	4	9	17	2,693
4/9/2015 18:00	2015	4	9	18	2,617
4/9/2015 19:00	2015	4	9	19	2,660
4/9/2015 20:00	2015	4	9	20	2,676
4/9/2015 21:00	2015	4	9	21	2,487
4/9/2015 22:00	2015	4	9	22	2,306
4/9/2015 23:00	2015	4	9	23	2,123
4/10/2015 0:00	2015	4	10	0	2,037
4/10/2015 1:00	2015	4	10	1	1,956
4/10/2015 2:00	2015	4	10	2	1,818
4/10/2015 3:00	2015	4	10	3	1,879
4/10/2015 4:00	2015	4	10	4	1,950
4/10/2015 5:00	2015	4	10	5	2,166
4/10/2015 6:00	2015	4	10	6	2,289
4/10/2015 7:00	2015	4	10	7	2,367
4/10/2015 8:00	2015	4	10	8	2,338
4/10/2015 9:00	2015	4	10	9	2,431
4/10/2015 10:00	2015	4	10	10	2,399
4/10/2015 11:00	2015	4	10	11	2,412
4/10/2015 12:00	2015	4	10	12	2,396
4/10/2015 13:00	2015	4	10	13	2,398
4/10/2015 14:00	2015	4	10	14	2,390
4/10/2015 15:00	2015	4	10	15	2,293
4/10/2015 16:00	2015	4	10	16	2,216

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4/10/2015 17:00	2015	4	10	17	2,196
4/10/2015 18:00	2015	4	10	18	2,197
4/10/2015 19:00	2015	4	10	19	2,212
4/10/2015 20:00	2015	4	10	20	2,197
4/10/2015 21:00	2015	4	10	21	2,154
4/10/2015 22:00	2015	4	10	22	2,027
4/10/2015 23:00	2015	4	10	23	1,857
4/11/2015 0:00	2015	4	11	0	1,790
4/11/2015 1:00	2015	4	11	1	1,793
4/11/2015 2:00	2015	4	11	2	1,726
4/11/2015 3:00	2015	4	11	3	1,724
4/11/2015 4:00	2015	4	11	4	1,817
4/11/2015 5:00	2015	4	11	5	1,980
4/11/2015 6:00	2015	4	11	6	2,033
4/11/2015 7:00	2015	4	11	7	2,156
4/11/2015 8:00	2015	4	11	8	2,165
4/11/2015 9:00	2015	4	11	9	2,150
4/11/2015 10:00	2015	4	11	10	2,162
4/11/2015 11:00	2015	4	11	11	2,094
4/11/2015 12:00	2015	4	11	12	2,077
4/11/2015 13:00	2015	4	11	13	2,048
4/11/2015 14:00	2015	4	11	14	2,024
4/11/2015 15:00	2015	4	11	15	2,038
4/11/2015 16:00	2015	4	11	16	2,074
4/11/2015 17:00	2015	4	11	17	2,031
4/11/2015 18:00	2015	4	11	18	2,036
4/11/2015 19:00	2015	4	11	19	2,114
4/11/2015 20:00	2015	4	11	20	2,092
4/11/2015 21:00	2015	4	11	21	2,023
4/11/2015 22:00	2015	4	11	22	1,931
4/11/2015 23:00	2015	4	11	23	1,804
4/12/2015 0:00	2015	4	12	0	1,749
4/12/2015 1:00	2015	4	12	1	1,720
4/12/2015 2:00	2015	4	12	2	1,742
4/12/2015 3:00	2015	4	12	3	1,748
4/12/2015 4:00	2015	4	12	4	1,767
4/12/2015 5:00	2015	4	12	5	1,833
4/12/2015 6:00	2015	4	12	6	1,883
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4/12/2015 9:00	2015	4	12	9	2,018
4/12/2015 10:00	2015	4	12	10	1,952

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4/12/2015 11:00	2015	4	12	11	1,958
4/12/2015 12:00	2015	4	12	12	1,987
4/12/2015 13:00	2015	4	12	13	1,959
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4/12/2015 15:00	2015	4	12	15	2,038
4/12/2015 16:00	2015	4	12	16	2,100
4/12/2015 17:00	2015	4	12	17	2,090
4/12/2015 18:00	2015	4	12	18	2,119
4/12/2015 19:00	2015	4	12	19	2,225
4/12/2015 20:00	2015	4	12	20	2,210
4/12/2015 21:00	2015	4	12	21	2,044
4/12/2015 22:00	2015	4	12	22	1,860
4/12/2015 23:00	2015	4	12	23	1,761
4/13/2015 0:00	2015	4	13	0	1,667
4/13/2015 1:00	2015	4	13	1	1,658
4/13/2015 2:00	2015	4	13	2	1,628
4/13/2015 3:00	2015	4	13	3	1,657
4/13/2015 4:00	2015	4	13	4	1,778
4/13/2015 5:00	2015	4	13	5	2,049
4/13/2015 6:00	2015	4	13	6	2,227
4/13/2015 7:00	2015	4	13	7	2,336
4/13/2015 8:00	2015	4	13	8	2,411
4/13/2015 9:00	2015	4	13	9	2,454
4/13/2015 10:00	2015	4	13	10	2,525
4/13/2015 11:00	2015	4	13	11	2,574
4/13/2015 12:00	2015	4	13	12	2,588
4/13/2015 13:00	2015	4	13	13	2,626
4/13/2015 14:00	2015	4	13	14	2,627
4/13/2015 15:00	2015	4	13	15	2,582
4/13/2015 16:00	2015	4	13	16	2,593
4/13/2015 17:00	2015	4	13	17	2,528
4/13/2015 18:00	2015	4	13	18	2,545
4/13/2015 19:00	2015	4	13	19	2,581
4/13/2015 20:00	2015	4	13	20	2,526
4/13/2015 21:00	2015	4	13	21	2,358
4/13/2015 22:00	2015	4	13	22	2,160
4/13/2015 23:00	2015	4	13	23	2,032
4/14/2015 0:00	2015	4	14	0	1,974
4/14/2015 1:00	2015	4	14	1	1,765
4/14/2015 2:00	2015	4	14	2	1,807
4/14/2015 3:00	2015	4	14	3	1,784
4/14/2015 4:00	2015	4	14	4	1,956

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4/14/2015 5:00	2015	4	14	5	2,210
4/14/2015 6:00	2015	4	14	6	2,366
4/14/2015 7:00	2015	4	14	7	2,439
4/14/2015 8:00	2015	4	14	8	2,466
4/14/2015 9:00	2015	4	14	9	2,512
4/14/2015 10:00	2015	4	14	10	2,505
4/14/2015 11:00	2015	4	14	11	2,498
4/14/2015 12:00	2015	4	14	12	2,488
4/14/2015 13:00	2015	4	14	13	2,477
4/14/2015 14:00	2015	4	14	14	2,395
4/14/2015 15:00	2015	4	14	15	2,342
4/14/2015 16:00	2015	4	14	16	2,349
4/14/2015 17:00	2015	4	14	17	2,354
4/14/2015 18:00	2015	4	14	18	2,383
4/14/2015 19:00	2015	4	14	19	2,487
4/14/2015 20:00	2015	4	14	20	2,410
4/14/2015 21:00	2015	4	14	21	2,262
4/14/2015 22:00	2015	4	14	22	2,110
4/14/2015 23:00	2015	4	14	23	1,931
4/15/2015 0:00	2015	4	15	0	1,821
4/15/2015 1:00	2015	4	15	1	1,791
4/15/2015 2:00	2015	4	15	2	1,838
4/15/2015 3:00	2015	4	15	3	1,831
4/15/2015 4:00	2015	4	15	4	1,887
4/15/2015 5:00	2015	4	15	5	2,219
4/15/2015 6:00	2015	4	15	6	2,390
4/15/2015 7:00	2015	4	15	7	2,405
4/15/2015 8:00	2015	4	15	8	2,450
4/15/2015 9:00	2015	4	15	9	2,444
4/15/2015 10:00	2015	4	15	10	2,420
4/15/2015 11:00	2015	4	15	11	2,436
4/15/2015 12:00	2015	4	15	12	2,411
4/15/2015 13:00	2015	4	15	13	2,405
4/15/2015 14:00	2015	4	15	14	2,387
4/15/2015 15:00	2015	4	15	15	2,396
4/15/2015 16:00	2015	4	15	16	2,362
4/15/2015 17:00	2015	4	15	17	2,354
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4/15/2015 21:00	2015	4	15	21	2,277
4/15/2015 22:00	2015	4	15	22	2,153

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4/15/2015 23:00	2015	4	15	23	2,014
4/16/2015 0:00	2015	4	16	0	1,939
4/16/2015 1:00	2015	4	16	1	1,879
4/16/2015 2:00	2015	4	16	2	1,855
4/16/2015 3:00	2015	4	16	3	1,878
4/16/2015 4:00	2015	4	16	4	1,967
4/16/2015 5:00	2015	4	16	5	2,233
4/16/2015 6:00	2015	4	16	6	2,349
4/16/2015 7:00	2015	4	16	7	2,386
4/16/2015 8:00	2015	4	16	8	2,467
4/16/2015 9:00	2015	4	16	9	2,479
4/16/2015 10:00	2015	4	16	10	2,475
4/16/2015 11:00	2015	4	16	11	2,443
4/16/2015 12:00	2015	4	16	12	2,401
4/16/2015 13:00	2015	4	16	13	2,471
4/16/2015 14:00	2015	4	16	14	2,460
4/16/2015 15:00	2015	4	16	15	2,447
4/16/2015 16:00	2015	4	16	16	2,390
4/16/2015 17:00	2015	4	16	17	2,340
4/16/2015 18:00	2015	4	16	18	2,346
4/16/2015 19:00	2015	4	16	19	2,502
4/16/2015 20:00	2015	4	16	20	2,487
4/16/2015 21:00	2015	4	16	21	2,307
4/16/2015 22:00	2015	4	16	22	2,164
4/16/2015 23:00	2015	4	16	23	2,007
4/17/2015 0:00	2015	4	17	0	1,936
4/17/2015 1:00	2015	4	17	1	1,827
4/17/2015 2:00	2015	4	17	2	1,841
4/17/2015 3:00	2015	4	17	3	1,811
4/17/2015 4:00	2015	4	17	4	1,910
4/17/2015 5:00	2015	4	17	5	2,187
4/17/2015 6:00	2015	4	17	6	2,333
4/17/2015 7:00	2015	4	17	7	2,408
4/17/2015 8:00	2015	4	17	8	2,428
4/17/2015 9:00	2015	4	17	9	2,466
4/17/2015 10:00	2015	4	17	10	2,490
4/17/2015 11:00	2015	4	17	11	2,532
4/17/2015 12:00	2015	4	17	12	2,498
4/17/2015 13:00	2015	4	17	13	2,504
4/17/2015 14:00	2015	4	17	14	2,529
4/17/2015 15:00	2015	4	17	15	2,478
4/17/2015 16:00	2015	4	17	16	2,386

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4/17/2015 17:00	2015	4	17	17	2,338
4/17/2015 18:00	2015	4	17	18	2,285
4/17/2015 19:00	2015	4	17	19	2,418
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4/17/2015 21:00	2015	4	17	21	2,207
4/17/2015 22:00	2015	4	17	22	2,029
4/17/2015 23:00	2015	4	17	23	1,914
4/18/2015 0:00	2015	4	18	0	1,805
4/18/2015 1:00	2015	4	18	1	1,735
4/18/2015 2:00	2015	4	18	2	1,688
4/18/2015 3:00	2015	4	18	3	1,675
4/18/2015 4:00	2015	4	18	4	1,722
4/18/2015 5:00	2015	4	18	5	1,797
4/18/2015 6:00	2015	4	18	6	1,816
4/18/2015 7:00	2015	4	18	7	1,956
4/18/2015 8:00	2015	4	18	8	2,044
4/18/2015 9:00	2015	4	18	9	2,093
4/18/2015 10:00	2015	4	18	10	2,165
4/18/2015 11:00	2015	4	18	11	2,172
4/18/2015 12:00	2015	4	18	12	2,212
4/18/2015 13:00	2015	4	18	13	2,241
4/18/2015 14:00	2015	4	18	14	2,266
4/18/2015 15:00	2015	4	18	15	2,290
4/18/2015 16:00	2015	4	18	16	2,335
4/18/2015 17:00	2015	4	18	17	2,294
4/18/2015 18:00	2015	4	18	18	2,202
4/18/2015 19:00	2015	4	18	19	2,216
4/18/2015 20:00	2015	4	18	20	2,206
4/18/2015 21:00	2015	4	18	21	2,111
4/18/2015 22:00	2015	4	18	22	1,941
4/18/2015 23:00	2015	4	18	23	1,811
4/19/2015 0:00	2015	4	19	0	1,626
4/19/2015 1:00	2015	4	19	1	1,633
4/19/2015 2:00	2015	4	19	2	1,561
4/19/2015 3:00	2015	4	19	3	1,613
4/19/2015 4:00	2015	4	19	4	1,625
4/19/2015 5:00	2015	4	19	5	1,674
4/19/2015 6:00	2015	4	19	6	1,685
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4/19/2015 9:00	2015	4	19	9	1,891
4/19/2015 10:00	2015	4	19	10	2,028



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4/19/2015 11:00	2015	4	19	11	2,024
4/19/2015 12:00	2015	4	19	12	1,981
4/19/2015 13:00	2015	4	19	13	1,999
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4/19/2015 18:00	2015	4	19	18	2,078
4/19/2015 19:00	2015	4	19	19	2,130
4/19/2015 20:00	2015	4	19	20	2,215
4/19/2015 21:00	2015	4	19	21	2,025
4/19/2015 22:00	2015	4	19	22	1,819
4/19/2015 23:00	2015	4	19	23	1,773
4/20/2015 0:00	2015	4	20	0	1,685
4/20/2015 1:00	2015	4	20	1	1,681
4/20/2015 2:00	2015	4	20	2	1,715
4/20/2015 3:00	2015	4	20	3	1,694
4/20/2015 4:00	2015	4	20	4	1,867
4/20/2015 5:00	2015	4	20	5	2,128
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4/20/2015 8:00	2015	4	20	8	2,340
4/20/2015 9:00	2015	4	20	9	2,443
4/20/2015 10:00	2015	4	20	10	2,423
4/20/2015 11:00	2015	4	20	11	2,450
4/20/2015 12:00	2015	4	20	12	2,385
4/20/2015 13:00	2015	4	20	13	2,407
4/20/2015 14:00	2015	4	20	14	2,393
4/20/2015 15:00	2015	4	20	15	2,309
4/20/2015 16:00	2015	4	20	16	2,364
4/20/2015 17:00	2015	4	20	17	2,342
4/20/2015 18:00	2015	4	20	18	2,298
4/20/2015 19:00	2015	4	20	19	2,384
4/20/2015 20:00	2015	4	20	20	2,309
4/20/2015 21:00	2015	4	20	21	2,194
4/20/2015 22:00	2015	4	20	22	2,069
4/20/2015 23:00	2015	4	20	23	1,961
4/21/2015 0:00	2015	4	21	0	1,854
4/21/2015 1:00	2015	4	21	1	1,839
4/21/2015 2:00	2015	4	21	2	1,843
4/21/2015 3:00	2015	4	21	3	1,847
4/21/2015 4:00	2015	4	21	4	1,924

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4/21/2015 5:00	2015	4	21	5	2,289
4/21/2015 6:00	2015	4	21	6	2,486
4/21/2015 7:00	2015	4	21	7	2,455
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4/21/2015 11:00	2015	4	21	11	2,380
4/21/2015 12:00	2015	4	21	12	2,360
4/21/2015 13:00	2015	4	21	13	2,334
4/21/2015 14:00	2015	4	21	14	2,315
4/21/2015 15:00	2015	4	21	15	2,257
4/21/2015 16:00	2015	4	21	16	2,245
4/21/2015 17:00	2015	4	21	17	2,214
4/21/2015 18:00	2015	4	21	18	2,245
4/21/2015 19:00	2015	4	21	19	2,367
4/21/2015 20:00	2015	4	21	20	2,338
4/21/2015 21:00	2015	4	21	21	2,184
4/21/2015 22:00	2015	4	21	22	2,135
4/21/2015 23:00	2015	4	21	23	2,015
4/22/2015 0:00	2015	4	22	0	1,871
4/22/2015 1:00	2015	4	22	1	1,884
4/22/2015 2:00	2015	4	22	2	1,871
4/22/2015 3:00	2015	4	22	3	1,859
4/22/2015 4:00	2015	4	22	4	2,047
4/22/2015 5:00	2015	4	22	5	2,268
4/22/2015 6:00	2015	4	22	6	2,404
4/22/2015 7:00	2015	4	22	7	2,451
4/22/2015 8:00	2015	4	22	8	2,435
4/22/2015 9:00	2015	4	22	9	2,476
4/22/2015 10:00	2015	4	22	10	2,467
4/22/2015 11:00	2015	4	22	11	2,489
4/22/2015 12:00	2015	4	22	12	2,457
4/22/2015 13:00	2015	4	22	13	2,437
4/22/2015 14:00	2015	4	22	14	2,397
4/22/2015 15:00	2015	4	22	15	2,363
4/22/2015 16:00	2015	4	22	16	2,315
4/22/2015 17:00	2015	4	22	17	2,250
4/22/2015 18:00	2015	4	22	18	2,319
4/22/2015 19:00	2015	4	22	19	2,426
4/22/2015 20:00	2015	4	22	20	2,417
4/22/2015 21:00	2015	4	22	21	2,337
4/22/2015 22:00	2015	4	22	22	2,153

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4/22/2015 23:00	2015	4	22	23	2,109
4/23/2015 0:00	2015	4	23	0	2,002
4/23/2015 1:00	2015	4	23	1	2,038
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4/23/2015 3:00	2015	4	23	3	2,092
4/23/2015 4:00	2015	4	23	4	2,222
4/23/2015 5:00	2015	4	23	5	2,545
4/23/2015 6:00	2015	4	23	6	2,708
4/23/2015 7:00	2015	4	23	7	2,683
4/23/2015 8:00	2015	4	23	8	2,619
4/23/2015 9:00	2015	4	23	9	2,576
4/23/2015 10:00	2015	4	23	10	2,513
4/23/2015 11:00	2015	4	23	11	2,497
4/23/2015 12:00	2015	4	23	12	2,446
4/23/2015 13:00	2015	4	23	13	2,472
4/23/2015 14:00	2015	4	23	14	2,336
4/23/2015 15:00	2015	4	23	15	2,335
4/23/2015 16:00	2015	4	23	16	2,232
4/23/2015 17:00	2015	4	23	17	2,292
4/23/2015 18:00	2015	4	23	18	2,328
4/23/2015 19:00	2015	4	23	19	2,440
4/23/2015 20:00	2015	4	23	20	2,455
4/23/2015 21:00	2015	4	23	21	2,342
4/23/2015 22:00	2015	4	23	22	2,219
4/23/2015 23:00	2015	4	23	23	2,147
4/24/2015 0:00	2015	4	24	0	2,124
4/24/2015 1:00	2015	4	24	1	2,091
4/24/2015 2:00	2015	4	24	2	2,097
4/24/2015 3:00	2015	4	24	3	2,136
4/24/2015 4:00	2015	4	24	4	2,280
4/24/2015 5:00	2015	4	24	5	2,555
4/24/2015 6:00	2015	4	24	6	2,753
4/24/2015 7:00	2015	4	24	7	2,687
4/24/2015 8:00	2015	4	24	8	2,663
4/24/2015 9:00	2015	4	24	9	2,556
4/24/2015 10:00	2015	4	24	10	2,488
4/24/2015 11:00	2015	4	24	11	2,452
4/24/2015 12:00	2015	4	24	12	2,408
4/24/2015 13:00	2015	4	24	13	2,370
4/24/2015 14:00	2015	4	24	14	2,310
4/24/2015 15:00	2015	4	24	15	2,255
4/24/2015 16:00	2015	4	24	16	2,251

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4/24/2015 17:00	2015	4	24	17	2,232
4/24/2015 18:00	2015	4	24	18	2,227
4/24/2015 19:00	2015	4	24	19	2,311
4/24/2015 20:00	2015	4	24	20	2,292
4/24/2015 21:00	2015	4	24	21	2,162
4/24/2015 22:00	2015	4	24	22	2,043
4/24/2015 23:00	2015	4	24	23	1,900
4/25/2015 0:00	2015	4	25	0	1,829
4/25/2015 1:00	2015	4	25	1	1,794
4/25/2015 2:00	2015	4	25	2	1,721
4/25/2015 3:00	2015	4	25	3	1,750
4/25/2015 4:00	2015	4	25	4	1,796
4/25/2015 5:00	2015	4	25	5	1,820
4/25/2015 6:00	2015	4	25	6	1,952
4/25/2015 7:00	2015	4	25	7	2,021
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4/25/2015 9:00	2015	4	25	9	2,188
4/25/2015 10:00	2015	4	25	10	2,222
4/25/2015 11:00	2015	4	25	11	2,139
4/25/2015 12:00	2015	4	25	12	2,105
4/25/2015 13:00	2015	4	25	13	2,110
4/25/2015 14:00	2015	4	25	14	2,079
4/25/2015 15:00	2015	4	25	15	2,086
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4/25/2015 17:00	2015	4	25	17	2,075
4/25/2015 18:00	2015	4	25	18	2,129
4/25/2015 19:00	2015	4	25	19	2,138
4/25/2015 20:00	2015	4	25	20	2,101
4/25/2015 21:00	2015	4	25	21	2,043
4/25/2015 22:00	2015	4	25	22	1,920
4/25/2015 23:00	2015	4	25	23	1,791
4/26/2015 0:00	2015	4	26	0	1,715
4/26/2015 1:00	2015	4	26	1	1,666
4/26/2015 2:00	2015	4	26	2	1,643
4/26/2015 3:00	2015	4	26	3	1,641
4/26/2015 4:00	2015	4	26	4	1,657
4/26/2015 5:00	2015	4	26	5	1,715
4/26/2015 6:00	2015	4	26	6	1,779
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4/26/2015 9:00	2015	4	26	9	1,988
4/26/2015 10:00	2015	4	26	10	1,947

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4/26/2015 11:00	2015	4	26	11	1,912
4/26/2015 12:00	2015	4	26	12	1,891
4/26/2015 13:00	2015	4	26	13	1,858
4/26/2015 14:00	2015	4	26	14	1,832
4/26/2015 15:00	2015	4	26	15	1,845
4/26/2015 16:00	2015	4	26	16	1,858
4/26/2015 17:00	2015	4	26	17	1,867
4/26/2015 18:00	2015	4	26	18	1,905
4/26/2015 19:00	2015	4	26	19	1,998
4/26/2015 20:00	2015	4	26	20	2,055
4/26/2015 21:00	2015	4	26	21	1,934
4/26/2015 22:00	2015	4	26	22	1,837
4/26/2015 23:00	2015	4	26	23	1,758
4/27/2015 0:00	2015	4	27	0	1,724
4/27/2015 1:00	2015	4	27	1	1,722
4/27/2015 2:00	2015	4	27	2	1,768
4/27/2015 3:00	2015	4	27	3	1,834
4/27/2015 4:00	2015	4	27	4	2,018
4/27/2015 5:00	2015	4	27	5	2,294
4/27/2015 6:00	2015	4	27	6	2,469
4/27/2015 7:00	2015	4	27	7	2,459
4/27/2015 8:00	2015	4	27	8	2,430
4/27/2015 9:00	2015	4	27	9	2,414
4/27/2015 10:00	2015	4	27	10	2,383
4/27/2015 11:00	2015	4	27	11	2,358
4/27/2015 12:00	2015	4	27	12	2,340
4/27/2015 13:00	2015	4	27	13	2,324
4/27/2015 14:00	2015	4	27	14	2,279
4/27/2015 15:00	2015	4	27	15	2,239
4/27/2015 16:00	2015	4	27	16	2,218
4/27/2015 17:00	2015	4	27	17	2,216
4/27/2015 18:00	2015	4	27	18	2,204
4/27/2015 19:00	2015	4	27	19	2,276
4/27/2015 20:00	2015	4	27	20	2,289
4/27/2015 21:00	2015	4	27	21	2,159
4/27/2015 22:00	2015	4	27	22	2,024
4/27/2015 23:00	2015	4	27	23	1,921
4/28/2015 0:00	2015	4	28	0	1,829
4/28/2015 1:00	2015	4	28	1	1,834
4/28/2015 2:00	2015	4	28	2	1,837
4/28/2015 3:00	2015	4	28	3	1,875
4/28/2015 4:00	2015	4	28	4	2,039

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4/28/2015 5:00	2015	4	28	5	2,320
4/28/2015 6:00	2015	4	28	6	2,472
4/28/2015 7:00	2015	4	28	7	2,446
4/28/2015 8:00	2015	4	28	8	2,408
4/28/2015 9:00	2015	4	28	9	2,398
4/28/2015 10:00	2015	4	28	10	2,362
4/28/2015 11:00	2015	4	28	11	2,347
4/28/2015 12:00	2015	4	28	12	2,326
4/28/2015 13:00	2015	4	28	13	2,300
4/28/2015 14:00	2015	4	28	14	2,250
4/28/2015 15:00	2015	4	28	15	2,226
4/28/2015 16:00	2015	4	28	16	2,215
4/28/2015 17:00	2015	4	28	17	2,197
4/28/2015 18:00	2015	4	28	18	2,195
4/28/2015 19:00	2015	4	28	19	2,270
4/28/2015 20:00	2015	4	28	20	2,285
4/28/2015 21:00	2015	4	28	21	2,147
4/28/2015 22:00	2015	4	28	22	1,980
4/28/2015 23:00	2015	4	28	23	1,873
4/29/2015 0:00	2015	4	29	0	1,783
4/29/2015 1:00	2015	4	29	1	1,754
4/29/2015 2:00	2015	4	29	2	1,744
4/29/2015 3:00	2015	4	29	3	1,797
4/29/2015 4:00	2015	4	29	4	1,933
4/29/2015 5:00	2015	4	29	5	2,208
4/29/2015 6:00	2015	4	29	6	2,378
4/29/2015 7:00	2015	4	29	7	2,373
4/29/2015 8:00	2015	4	29	8	2,355
4/29/2015 9:00	2015	4	29	9	2,357
4/29/2015 10:00	2015	4	29	10	2,324
4/29/2015 11:00	2015	4	29	11	2,317
4/29/2015 12:00	2015	4	29	12	2,314
4/29/2015 13:00	2015	4	29	13	2,309
4/29/2015 14:00	2015	4	29	14	2,299
4/29/2015 15:00	2015	4	29	15	2,253
4/29/2015 16:00	2015	4	29	16	2,244
4/29/2015 17:00	2015	4	29	17	2,224
4/29/2015 18:00	2015	4	29	18	2,218
4/29/2015 19:00	2015	4	29	19	2,277
4/29/2015 20:00	2015	4	29	20	2,280
4/29/2015 21:00	2015	4	29	21	2,130
4/29/2015 22:00	2015	4	29	22	1,975

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4/29/2015 23:00	2015	4	29	23	1,840
4/30/2015 0:00	2015	4	30	0	1,740
4/30/2015 1:00	2015	4	30	1	1,704
4/30/2015 2:00	2015	4	30	2	1,682
4/30/2015 3:00	2015	4	30	3	1,704
4/30/2015 4:00	2015	4	30	4	1,842
4/30/2015 5:00	2015	4	30	5	2,080
4/30/2015 6:00	2015	4	30	6	2,238
4/30/2015 7:00	2015	4	30	7	2,293
4/30/2015 8:00	2015	4	30	8	2,325
4/30/2015 9:00	2015	4	30	9	2,321
4/30/2015 10:00	2015	4	30	10	2,331
4/30/2015 11:00	2015	4	30	11	2,315
4/30/2015 12:00	2015	4	30	12	2,300
4/30/2015 13:00	2015	4	30	13	2,291
4/30/2015 14:00	2015	4	30	14	2,237
4/30/2015 15:00	2015	4	30	15	2,231
4/30/2015 16:00	2015	4	30	16	2,206
4/30/2015 17:00	2015	4	30	17	2,216
4/30/2015 18:00	2015	4	30	18	2,205
4/30/2015 19:00	2015	4	30	19	2,303
4/30/2015 20:00	2015	4	30	20	2,296
4/30/2015 21:00	2015	4	30	21	2,208
4/30/2015 22:00	2015	4	30	22	2,125
4/30/2015 23:00	2015	4	30	23	2,046
5/1/2015 0:00	2015	5	1	0	1,929
5/1/2015 1:00	2015	5	1	1	1,917
5/1/2015 2:00	2015	5	1	2	1,899
5/1/2015 3:00	2015	5	1	3	1,924
5/1/2015 4:00	2015	5	1	4	2,054
5/1/2015 5:00	2015	5	1	5	2,282
5/1/2015 6:00	2015	5	1	6	2,463
5/1/2015 7:00	2015	5	1	7	2,455
5/1/2015 8:00	2015	5	1	8	2,430
5/1/2015 9:00	2015	5	1	9	2,381
5/1/2015 10:00	2015	5	1	10	2,364
5/1/2015 11:00	2015	5	1	11	2,393
5/1/2015 12:00	2015	5	1	12	2,318
5/1/2015 13:00	2015	5	1	13	2,305
5/1/2015 14:00	2015	5	1	14	2,270
5/1/2015 15:00	2015	5	1	15	2,287
5/1/2015 16:00	2015	5	1	16	2,263

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5/1/2015 17:00	2015	5	1	17	2,217
5/1/2015 18:00	2015	5	1	18	2,226
5/1/2015 19:00	2015	5	1	19	2,283
5/1/2015 20:00	2015	5	1	20	2,291
5/1/2015 21:00	2015	5	1	21	2,160
5/1/2015 22:00	2015	5	1	22	2,016
5/1/2015 23:00	2015	5	1	23	1,906
5/2/2015 0:00	2015	5	2	0	1,797
5/2/2015 1:00	2015	5	2	1	1,752
5/2/2015 2:00	2015	5	2	2	1,708
5/2/2015 3:00	2015	5	2	3	1,709
5/2/2015 4:00	2015	5	2	4	1,795
5/2/2015 5:00	2015	5	2	5	1,823
5/2/2015 6:00	2015	5	2	6	1,917
5/2/2015 7:00	2015	5	2	7	1,984
5/2/2015 8:00	2015	5	2	8	2,043
5/2/2015 9:00	2015	5	2	9	2,030
5/2/2015 10:00	2015	5	2	10	2,072
5/2/2015 11:00	2015	5	2	11	1,989
5/2/2015 12:00	2015	5	2	12	2,000
5/2/2015 13:00	2015	5	2	13	2,008
5/2/2015 14:00	2015	5	2	14	2,016
5/2/2015 15:00	2015	5	2	15	2,003
5/2/2015 16:00	2015	5	2	16	2,002
5/2/2015 17:00	2015	5	2	17	2,054
5/2/2015 18:00	2015	5	2	18	2,037
5/2/2015 19:00	2015	5	2	19	2,015
5/2/2015 20:00	2015	5	2	20	2,063
5/2/2015 21:00	2015	5	2	21	1,904
5/2/2015 22:00	2015	5	2	22	1,824
5/2/2015 23:00	2015	5	2	23	1,665
5/3/2015 0:00	2015	5	3	0	1,647
5/3/2015 1:00	2015	5	3	1	1,620
5/3/2015 2:00	2015	5	3	2	1,524
5/3/2015 3:00	2015	5	3	3	1,556
5/3/2015 4:00	2015	5	3	4	1,568
5/3/2015 5:00	2015	5	3	5	1,626
5/3/2015 6:00	2015	5	3	6	1,649
5/3/2015 7:00	2015	5	3	7	1,750
5/3/2015 8:00	2015	5	3	8	1,919
5/3/2015 9:00	2015	5	3	9	1,941
5/3/2015 10:00	2015	5	3	10	1,869



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5/3/2015 11:00	2015	5	3	11	2,020
5/3/2015 12:00	2015	5	3	12	1,989
5/3/2015 13:00	2015	5	3	13	2,015
5/3/2015 14:00	2015	5	3	14	2,038
5/3/2015 15:00	2015	5	3	15	2,137
5/3/2015 16:00	2015	5	3	16	2,188
5/3/2015 17:00	2015	5	3	17	2,197
5/3/2015 18:00	2015	5	3	18	2,183
5/3/2015 19:00	2015	5	3	19	2,241
5/3/2015 20:00	2015	5	3	20	2,224
5/3/2015 21:00	2015	5	3	21	2,091
5/3/2015 22:00	2015	5	3	22	1,879
5/3/2015 23:00	2015	5	3	23	1,745
5/4/2015 0:00	2015	5	4	0	1,736
5/4/2015 1:00	2015	5	4	1	1,659
5/4/2015 2:00	2015	5	4	2	1,611
5/4/2015 3:00	2015	5	4	3	1,621
5/4/2015 4:00	2015	5	4	4	1,746
5/4/2015 5:00	2015	5	4	5	1,987
5/4/2015 6:00	2015	5	4	6	2,167
5/4/2015 7:00	2015	5	4	7	2,365
5/4/2015 8:00	2015	5	4	8	2,407
5/4/2015 9:00	2015	5	4	9	2,528
5/4/2015 10:00	2015	5	4	10	2,517
5/4/2015 11:00	2015	5	4	11	2,561
5/4/2015 12:00	2015	5	4	12	2,628
5/4/2015 13:00	2015	5	4	13	2,700
5/4/2015 14:00	2015	5	4	14	2,733
5/4/2015 15:00	2015	5	4	15	2,802
5/4/2015 16:00	2015	5	4	16	2,781
5/4/2015 17:00	2015	5	4	17	2,763
5/4/2015 18:00	2015	5	4	18	2,693
5/4/2015 19:00	2015	5	4	19	2,722
5/4/2015 20:00	2015	5	4	20	2,653
5/4/2015 21:00	2015	5	4	21	2,511
5/4/2015 22:00	2015	5	4	22	2,290
5/4/2015 23:00	2015	5	4	23	2,108
5/5/2015 0:00	2015	5	5	0	1,987
5/5/2015 1:00	2015	5	5	1	1,913
5/5/2015 2:00	2015	5	5	2	1,818
5/5/2015 3:00	2015	5	5	3	1,885
5/5/2015 4:00	2015	5	5	4	1,921

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5/5/2015 5:00	2015	5	5	5	2,143
5/5/2015 6:00	2015	5	5	6	2,338
5/5/2015 7:00	2015	5	5	7	2,433
5/5/2015 8:00	2015	5	5	8	2,545
5/5/2015 9:00	2015	5	5	9	2,635
5/5/2015 10:00	2015	5	5	10	2,725
5/5/2015 11:00	2015	5	5	11	2,828
5/5/2015 12:00	2015	5	5	12	2,897
5/5/2015 13:00	2015	5	5	13	2,944
5/5/2015 14:00	2015	5	5	14	2,995
5/5/2015 15:00	2015	5	5	15	2,975
5/5/2015 16:00	2015	5	5	16	2,958
5/5/2015 17:00	2015	5	5	17	2,966
5/5/2015 18:00	2015	5	5	18	2,925
5/5/2015 19:00	2015	5	5	19	2,899
5/5/2015 20:00	2015	5	5	20	2,824
5/5/2015 21:00	2015	5	5	21	2,560
5/5/2015 22:00	2015	5	5	22	2,375
5/5/2015 23:00	2015	5	5	23	2,152
5/6/2015 0:00	2015	5	6	0	2,033
5/6/2015 1:00	2015	5	6	1	1,915
5/6/2015 2:00	2015	5	6	2	1,807
5/6/2015 3:00	2015	5	6	3	1,832
5/6/2015 4:00	2015	5	6	4	1,913
5/6/2015 5:00	2015	5	6	5	2,098
5/6/2015 6:00	2015	5	6	6	2,256
5/6/2015 7:00	2015	5	6	7	2,379
5/6/2015 8:00	2015	5	6	8	2,513
5/6/2015 9:00	2015	5	6	9	2,643
5/6/2015 10:00	2015	5	6	10	2,746
5/6/2015 11:00	2015	5	6	11	2,911
5/6/2015 12:00	2015	5	6	12	2,949
5/6/2015 13:00	2015	5	6	13	2,976
5/6/2015 14:00	2015	5	6	14	3,006
5/6/2015 15:00	2015	5	6	15	3,092
5/6/2015 16:00	2015	5	6	16	3,124
5/6/2015 17:00	2015	5	6	17	3,123
5/6/2015 18:00	2015	5	6	18	3,037
5/6/2015 19:00	2015	5	6	19	3,014
5/6/2015 20:00	2015	5	6	20	2,910
5/6/2015 21:00	2015	5	6	21	2,707
5/6/2015 22:00	2015	5	6	22	2,431

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5/6/2015 23:00	2015	5	6	23	2,243
5/7/2015 0:00	2015	5	7	0	2,091
5/7/2015 1:00	2015	5	7	1	1,939
5/7/2015 2:00	2015	5	7	2	1,932
5/7/2015 3:00	2015	5	7	3	1,904
5/7/2015 4:00	2015	5	7	4	1,977
5/7/2015 5:00	2015	5	7	5	2,238
5/7/2015 6:00	2015	5	7	6	2,369
5/7/2015 7:00	2015	5	7	7	2,492
5/7/2015 8:00	2015	5	7	8	2,607
5/7/2015 9:00	2015	5	7	9	2,734
5/7/2015 10:00	2015	5	7	10	2,877
5/7/2015 11:00	2015	5	7	11	2,981
5/7/2015 12:00	2015	5	7	12	3,110
5/7/2015 13:00	2015	5	7	13	3,197
5/7/2015 14:00	2015	5	7	14	3,230
5/7/2015 15:00	2015	5	7	15	3,248
5/7/2015 16:00	2015	5	7	16	3,197
5/7/2015 17:00	2015	5	7	17	3,188
5/7/2015 18:00	2015	5	7	18	3,105
5/7/2015 19:00	2015	5	7	19	3,061
5/7/2015 20:00	2015	5	7	20	3,006
5/7/2015 21:00	2015	5	7	21	2,766
5/7/2015 22:00	2015	5	7	22	2,503
5/7/2015 23:00	2015	5	7	23	2,276
5/8/2015 0:00	2015	5	8	0	2,135
5/8/2015 1:00	2015	5	8	1	2,018
5/8/2015 2:00	2015	5	8	2	1,933
5/8/2015 3:00	2015	5	8	3	1,891
5/8/2015 4:00	2015	5	8	4	1,975
5/8/2015 5:00	2015	5	8	5	2,158
5/8/2015 6:00	2015	5	8	6	2,357
5/8/2015 7:00	2015	5	8	7	2,502
5/8/2015 8:00	2015	5	8	8	2,649
5/8/2015 9:00	2015	5	8	9	2,803
5/8/2015 10:00	2015	5	8	10	2,926
5/8/2015 11:00	2015	5	8	11	3,077
5/8/2015 12:00	2015	5	8	12	3,161
5/8/2015 13:00	2015	5	8	13	3,259
5/8/2015 14:00	2015	5	8	14	3,274
5/8/2015 15:00	2015	5	8	15	3,269
5/8/2015 16:00	2015	5	8	16	3,205

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5/8/2015 17:00	2015	5	8	17	3,164
5/8/2015 18:00	2015	5	8	18	3,062
5/8/2015 19:00	2015	5	8	19	2,904
5/8/2015 20:00	2015	5	8	20	2,872
5/8/2015 21:00	2015	5	8	21	2,678
5/8/2015 22:00	2015	5	8	22	2,458
5/8/2015 23:00	2015	5	8	23	2,217
5/9/2015 0:00	2015	5	9	0	2,095
5/9/2015 1:00	2015	5	9	1	1,937
5/9/2015 2:00	2015	5	9	2	1,870
5/9/2015 3:00	2015	5	9	3	1,855
5/9/2015 4:00	2015	5	9	4	1,858
5/9/2015 5:00	2015	5	9	5	1,900
5/9/2015 6:00	2015	5	9	6	1,957
5/9/2015 7:00	2015	5	9	7	2,080
5/9/2015 8:00	2015	5	9	8	2,291
5/9/2015 9:00	2015	5	9	9	2,464
5/9/2015 10:00	2015	5	9	10	2,628
5/9/2015 11:00	2015	5	9	11	2,696
5/9/2015 12:00	2015	5	9	12	2,777
5/9/2015 13:00	2015	5	9	13	2,844
5/9/2015 14:00	2015	5	9	14	2,890
5/9/2015 15:00	2015	5	9	15	2,958
5/9/2015 16:00	2015	5	9	16	2,977
5/9/2015 17:00	2015	5	9	17	2,859
5/9/2015 18:00	2015	5	9	18	2,791
5/9/2015 19:00	2015	5	9	19	2,692
5/9/2015 20:00	2015	5	9	20	2,697
5/9/2015 21:00	2015	5	9	21	2,503
5/9/2015 22:00	2015	5	9	22	2,315
5/9/2015 23:00	2015	5	9	23	2,146
5/10/2015 0:00	2015	5	10	0	1,993
5/10/2015 1:00	2015	5	10	1	1,917
5/10/2015 2:00	2015	5	10	2	1,861
5/10/2015 3:00	2015	5	10	3	1,779
5/10/2015 4:00	2015	5	10	4	1,793
5/10/2015 5:00	2015	5	10	5	1,755
5/10/2015 6:00	2015	5	10	6	1,774
5/10/2015 7:00	2015	5	10	7	2,048
5/10/2015 8:00	2015	5	10	8	2,221
5/10/2015 9:00	2015	5	10	9	2,426
5/10/2015 10:00	2015	5	10	10	2,517

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5/10/2015 11:00	2015	5	10	11	2,556
5/10/2015 12:00	2015	5	10	12	2,574
5/10/2015 13:00	2015	5	10	13	2,636
5/10/2015 14:00	2015	5	10	14	2,728
5/10/2015 15:00	2015	5	10	15	2,754
5/10/2015 16:00	2015	5	10	16	2,816
5/10/2015 17:00	2015	5	10	17	2,786
5/10/2015 18:00	2015	5	10	18	2,709
5/10/2015 19:00	2015	5	10	19	2,686
5/10/2015 20:00	2015	5	10	20	2,714
5/10/2015 21:00	2015	5	10	21	2,536
5/10/2015 22:00	2015	5	10	22	2,254
5/10/2015 23:00	2015	5	10	23	2,114
5/11/2015 0:00	2015	5	11	0	1,985
5/11/2015 1:00	2015	5	11	1	1,960
5/11/2015 2:00	2015	5	11	2	1,848
5/11/2015 3:00	2015	5	11	3	1,865
5/11/2015 4:00	2015	5	11	4	1,955
5/11/2015 5:00	2015	5	11	5	2,188
5/11/2015 6:00	2015	5	11	6	2,393
5/11/2015 7:00	2015	5	11	7	2,553
5/11/2015 8:00	2015	5	11	8	2,676
5/11/2015 9:00	2015	5	11	9	2,935
5/11/2015 10:00	2015	5	11	10	3,043
5/11/2015 11:00	2015	5	11	11	3,213
5/11/2015 12:00	2015	5	11	12	3,343
5/11/2015 13:00	2015	5	11	13	3,284
5/11/2015 14:00	2015	5	11	14	3,255
5/11/2015 15:00	2015	5	11	15	3,139
5/11/2015 16:00	2015	5	11	16	3,105
5/11/2015 17:00	2015	5	11	17	3,092
5/11/2015 18:00	2015	5	11	18	2,982
5/11/2015 19:00	2015	5	11	19	2,899
5/11/2015 20:00	2015	5	11	20	2,812
5/11/2015 21:00	2015	5	11	21	2,663
5/11/2015 22:00	2015	5	11	22	2,422
5/11/2015 23:00	2015	5	11	23	2,247
5/12/2015 0:00	2015	5	12	0	2,068
5/12/2015 1:00	2015	5	12	1	1,991
5/12/2015 2:00	2015	5	12	2	1,970
5/12/2015 3:00	2015	5	12	3	1,943
5/12/2015 4:00	2015	5	12	4	2,003

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5/12/2015 5:00	2015	5	12	5	2,222
5/12/2015 6:00	2015	5	12	6	2,364
5/12/2015 7:00	2015	5	12	7	2,474
5/12/2015 8:00	2015	5	12	8	2,566
5/12/2015 9:00	2015	5	12	9	2,609
5/12/2015 10:00	2015	5	12	10	2,657
5/12/2015 11:00	2015	5	12	11	2,657
5/12/2015 12:00	2015	5	12	12	2,731
5/12/2015 13:00	2015	5	12	13	2,739
5/12/2015 14:00	2015	5	12	14	2,757
5/12/2015 15:00	2015	5	12	15	2,687
5/12/2015 16:00	2015	5	12	16	2,651
5/12/2015 17:00	2015	5	12	17	2,615
5/12/2015 18:00	2015	5	12	18	2,563
5/12/2015 19:00	2015	5	12	19	2,502
5/12/2015 20:00	2015	5	12	20	2,532
5/12/2015 21:00	2015	5	12	21	2,347
5/12/2015 22:00	2015	5	12	22	2,142
5/12/2015 23:00	2015	5	12	23	2,030
5/13/2015 0:00	2015	5	13	0	1,881
5/13/2015 1:00	2015	5	13	1	1,813
5/13/2015 2:00	2015	5	13	2	1,785
5/13/2015 3:00	2015	5	13	3	1,761
5/13/2015 4:00	2015	5	13	4	1,923
5/13/2015 5:00	2015	5	13	5	2,086
5/13/2015 6:00	2015	5	13	6	2,274
5/13/2015 7:00	2015	5	13	7	2,331
5/13/2015 8:00	2015	5	13	8	2,393
5/13/2015 9:00	2015	5	13	9	2,449
5/13/2015 10:00	2015	5	13	10	2,479
5/13/2015 11:00	2015	5	13	11	2,516
5/13/2015 12:00	2015	5	13	12	2,524
5/13/2015 13:00	2015	5	13	13	2,545
5/13/2015 14:00	2015	5	13	14	2,578
5/13/2015 15:00	2015	5	13	15	2,564
5/13/2015 16:00	2015	5	13	16	2,598
5/13/2015 17:00	2015	5	13	17	2,596
5/13/2015 18:00	2015	5	13	18	2,521
5/13/2015 19:00	2015	5	13	19	2,518
5/13/2015 20:00	2015	5	13	20	2,508
5/13/2015 21:00	2015	5	13	21	2,327
5/13/2015 22:00	2015	5	13	22	2,134

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5/13/2015 23:00	2015	5	13	23	1,987
5/14/2015 0:00	2015	5	14	0	1,881
5/14/2015 1:00	2015	5	14	1	1,809
5/14/2015 2:00	2015	5	14	2	1,748
5/14/2015 3:00	2015	5	14	3	1,769
5/14/2015 4:00	2015	5	14	4	1,872
5/14/2015 5:00	2015	5	14	5	2,086
5/14/2015 6:00	2015	5	14	6	2,237
5/14/2015 7:00	2015	5	14	7	2,310
5/14/2015 8:00	2015	5	14	8	2,368
5/14/2015 9:00	2015	5	14	9	2,371
5/14/2015 10:00	2015	5	14	10	2,401
5/14/2015 11:00	2015	5	14	11	2,462
5/14/2015 12:00	2015	5	14	12	2,480
5/14/2015 13:00	2015	5	14	13	2,508
5/14/2015 14:00	2015	5	14	14	2,570
5/14/2015 15:00	2015	5	14	15	2,611
5/14/2015 16:00	2015	5	14	16	2,571
5/14/2015 17:00	2015	5	14	17	2,539
5/14/2015 18:00	2015	5	14	18	2,518
5/14/2015 19:00	2015	5	14	19	2,582
5/14/2015 20:00	2015	5	14	20	2,565
5/14/2015 21:00	2015	5	14	21	2,402
5/14/2015 22:00	2015	5	14	22	2,241
5/14/2015 23:00	2015	5	14	23	2,079
5/15/2015 0:00	2015	5	15	0	1,958
5/15/2015 1:00	2015	5	15	1	1,884
5/15/2015 2:00	2015	5	15	2	1,841
5/15/2015 3:00	2015	5	15	3	1,855
5/15/2015 4:00	2015	5	15	4	1,905
5/15/2015 5:00	2015	5	15	5	2,107
5/15/2015 6:00	2015	5	15	6	2,260
5/15/2015 7:00	2015	5	15	7	2,379
5/15/2015 8:00	2015	5	15	8	2,508
5/15/2015 9:00	2015	5	15	9	2,622
5/15/2015 10:00	2015	5	15	10	2,759
5/15/2015 11:00	2015	5	15	11	2,837
5/15/2015 12:00	2015	5	15	12	2,910
5/15/2015 13:00	2015	5	15	13	3,014
5/15/2015 14:00	2015	5	15	14	3,049
5/15/2015 15:00	2015	5	15	15	3,053
5/15/2015 16:00	2015	5	15	16	3,017

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5/15/2015 17:00	2015	5	15	17	3,016
5/15/2015 18:00	2015	5	15	18	2,854
5/15/2015 19:00	2015	5	15	19	2,781
5/15/2015 20:00	2015	5	15	20	2,756
5/15/2015 21:00	2015	5	15	21	2,598
5/15/2015 22:00	2015	5	15	22	2,419
5/15/2015 23:00	2015	5	15	23	2,223
5/16/2015 0:00	2015	5	16	0	2,069
5/16/2015 1:00	2015	5	16	1	2,020
5/16/2015 2:00	2015	5	16	2	1,930
5/16/2015 3:00	2015	5	16	3	1,876
5/16/2015 4:00	2015	5	16	4	1,895
5/16/2015 5:00	2015	5	16	5	1,893
5/16/2015 6:00	2015	5	16	6	1,997
5/16/2015 7:00	2015	5	16	7	2,121
5/16/2015 8:00	2015	5	16	8	2,253
5/16/2015 9:00	2015	5	16	9	2,334
5/16/2015 10:00	2015	5	16	10	2,403
5/16/2015 11:00	2015	5	16	11	2,419
5/16/2015 12:00	2015	5	16	12	2,372
5/16/2015 13:00	2015	5	16	13	2,377
5/16/2015 14:00	2015	5	16	14	2,345
5/16/2015 15:00	2015	5	16	15	2,406
5/16/2015 16:00	2015	5	16	16	2,362
5/16/2015 17:00	2015	5	16	17	2,315
5/16/2015 18:00	2015	5	16	18	2,311
5/16/2015 19:00	2015	5	16	19	2,353
5/16/2015 20:00	2015	5	16	20	2,340
5/16/2015 21:00	2015	5	16	21	2,254
5/16/2015 22:00	2015	5	16	22	2,082
5/16/2015 23:00	2015	5	16	23	1,948
5/17/2015 0:00	2015	5	17	0	1,835
5/17/2015 1:00	2015	5	17	1	1,798
5/17/2015 2:00	2015	5	17	2	1,760
5/17/2015 3:00	2015	5	17	3	1,728
5/17/2015 4:00	2015	5	17	4	1,718
5/17/2015 5:00	2015	5	17	5	1,738
5/17/2015 6:00	2015	5	17	6	1,735
5/17/2015 7:00	2015	5	17	7	1,946
5/17/2015 8:00	2015	5	17	8	2,166
5/17/2015 9:00	2015	5	17	9	2,226
5/17/2015 10:00	2015	5	17	10	2,307



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5/17/2015 11:00	2015	5	17	11	2,434
5/17/2015 12:00	2015	5	17	12	2,425
5/17/2015 13:00	2015	5	17	13	2,549
5/17/2015 14:00	2015	5	17	14	2,630
5/17/2015 15:00	2015	5	17	15	2,680
5/17/2015 16:00	2015	5	17	16	2,706
5/17/2015 17:00	2015	5	17	17	2,711
5/17/2015 18:00	2015	5	17	18	2,681
5/17/2015 19:00	2015	5	17	19	2,645
5/17/2015 20:00	2015	5	17	20	2,637
5/17/2015 21:00	2015	5	17	21	2,451
5/17/2015 22:00	2015	5	17	22	2,235
5/17/2015 23:00	2015	5	17	23	2,087
5/18/2015 0:00	2015	5	18	0	1,975
5/18/2015 1:00	2015	5	18	1	1,922
5/18/2015 2:00	2015	5	18	2	1,908
5/18/2015 3:00	2015	5	18	3	1,899
5/18/2015 4:00	2015	5	18	4	2,002
5/18/2015 5:00	2015	5	18	5	2,219
5/18/2015 6:00	2015	5	18	6	2,397
5/18/2015 7:00	2015	5	18	7	2,521
5/18/2015 8:00	2015	5	18	8	2,624
5/18/2015 9:00	2015	5	18	9	2,741
5/18/2015 10:00	2015	5	18	10	2,780
5/18/2015 11:00	2015	5	18	11	2,847
5/18/2015 12:00	2015	5	18	12	2,891
5/18/2015 13:00	2015	5	18	13	2,935
5/18/2015 14:00	2015	5	18	14	2,898
5/18/2015 15:00	2015	5	18	15	2,928
5/18/2015 16:00	2015	5	18	16	2,976
5/18/2015 17:00	2015	5	18	17	2,957
5/18/2015 18:00	2015	5	18	18	2,795
5/18/2015 19:00	2015	5	18	19	2,807
5/18/2015 20:00	2015	5	18	20	2,804
5/18/2015 21:00	2015	5	18	21	2,542
5/18/2015 22:00	2015	5	18	22	2,428
5/18/2015 23:00	2015	5	18	23	2,214
5/19/2015 0:00	2015	5	19	0	2,101
5/19/2015 1:00	2015	5	19	1	1,985
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5/19/2015 3:00	2015	5	19	3	1,958
5/19/2015 4:00	2015	5	19	4	2,010

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5/19/2015 5:00	2015	5	19	5	2,196
5/19/2015 6:00	2015	5	19	6	2,352
5/19/2015 7:00	2015	5	19	7	2,487
5/19/2015 8:00	2015	5	19	8	2,566
5/19/2015 9:00	2015	5	19	9	2,651
5/19/2015 10:00	2015	5	19	10	2,757
5/19/2015 11:00	2015	5	19	11	2,825
5/19/2015 12:00	2015	5	19	12	2,892
5/19/2015 13:00	2015	5	19	13	2,969
5/19/2015 14:00	2015	5	19	14	2,978
5/19/2015 15:00	2015	5	19	15	2,987
5/19/2015 16:00	2015	5	19	16	2,961
5/19/2015 17:00	2015	5	19	17	2,925
5/19/2015 18:00	2015	5	19	18	2,806
5/19/2015 19:00	2015	5	19	19	2,751
5/19/2015 20:00	2015	5	19	20	2,703
5/19/2015 21:00	2015	5	19	21	2,504
5/19/2015 22:00	2015	5	19	22	2,268
5/19/2015 23:00	2015	5	19	23	2,091
5/20/2015 0:00	2015	5	20	0	1,961
5/20/2015 1:00	2015	5	20	1	1,865
5/20/2015 2:00	2015	5	20	2	1,816
5/20/2015 3:00	2015	5	20	3	1,813
5/20/2015 4:00	2015	5	20	4	1,904
5/20/2015 5:00	2015	5	20	5	2,113
5/20/2015 6:00	2015	5	20	6	2,252
5/20/2015 7:00	2015	5	20	7	2,387
5/20/2015 8:00	2015	5	20	8	2,437
5/20/2015 9:00	2015	5	20	9	2,476
5/20/2015 10:00	2015	5	20	10	2,491
5/20/2015 11:00	2015	5	20	11	2,539
5/20/2015 12:00	2015	5	20	12	2,587
5/20/2015 13:00	2015	5	20	13	2,632
5/20/2015 14:00	2015	5	20	14	2,657
5/20/2015 15:00	2015	5	20	15	2,680
5/20/2015 16:00	2015	5	20	16	2,679
5/20/2015 17:00	2015	5	20	17	2,583
5/20/2015 18:00	2015	5	20	18	2,539
5/20/2015 19:00	2015	5	20	19	2,545
5/20/2015 20:00	2015	5	20	20	2,518
5/20/2015 21:00	2015	5	20	21	2,337
5/20/2015 22:00	2015	5	20	22	2,224

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5/20/2015 23:00	2015	5	20	23	2,041
5/21/2015 0:00	2015	5	21	0	1,898
5/21/2015 1:00	2015	5	21	1	1,875
5/21/2015 2:00	2015	5	21	2	1,796
5/21/2015 3:00	2015	5	21	3	1,806
5/21/2015 4:00	2015	5	21	4	1,881
5/21/2015 5:00	2015	5	21	5	2,091
5/21/2015 6:00	2015	5	21	6	2,214
5/21/2015 7:00	2015	5	21	7	2,306
5/21/2015 8:00	2015	5	21	8	2,371
5/21/2015 9:00	2015	5	21	9	2,387
5/21/2015 10:00	2015	5	21	10	2,410
5/21/2015 11:00	2015	5	21	11	2,399
5/21/2015 12:00	2015	5	21	12	2,379
5/21/2015 13:00	2015	5	21	13	2,331
5/21/2015 14:00	2015	5	21	14	2,348
5/21/2015 15:00	2015	5	21	15	2,309
5/21/2015 16:00	2015	5	21	16	2,282
5/21/2015 17:00	2015	5	21	17	2,263
5/21/2015 18:00	2015	5	21	18	2,286
5/21/2015 19:00	2015	5	21	19	2,334
5/21/2015 20:00	2015	5	21	20	2,397
5/21/2015 21:00	2015	5	21	21	2,277
5/21/2015 22:00	2015	5	21	22	2,078
5/21/2015 23:00	2015	5	21	23	2,010
5/22/2015 0:00	2015	5	22	0	1,889
5/22/2015 1:00	2015	5	22	1	1,876
5/22/2015 2:00	2015	5	22	2	1,816
5/22/2015 3:00	2015	5	22	3	1,867
5/22/2015 4:00	2015	5	22	4	1,964
5/22/2015 5:00	2015	5	22	5	2,100
5/22/2015 6:00	2015	5	22	6	2,322
5/22/2015 7:00	2015	5	22	7	2,313
5/22/2015 8:00	2015	5	22	8	2,422
5/22/2015 9:00	2015	5	22	9	2,411
5/22/2015 10:00	2015	5	22	10	2,436
5/22/2015 11:00	2015	5	22	11	2,410
5/22/2015 12:00	2015	5	22	12	2,421
5/22/2015 13:00	2015	5	22	13	2,413
5/22/2015 14:00	2015	5	22	14	2,433
5/22/2015 15:00	2015	5	22	15	2,384
5/22/2015 16:00	2015	5	22	16	2,345

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5/22/2015 17:00	2015	5	22	17	2,381
5/22/2015 18:00	2015	5	22	18	2,270
5/22/2015 19:00	2015	5	22	19	2,297
5/22/2015 20:00	2015	5	22	20	2,335
5/22/2015 21:00	2015	5	22	21	2,196
5/22/2015 22:00	2015	5	22	22	2,030
5/22/2015 23:00	2015	5	22	23	1,860
5/23/2015 0:00	2015	5	23	0	1,717
5/23/2015 1:00	2015	5	23	1	1,669
5/23/2015 2:00	2015	5	23	2	1,634
5/23/2015 3:00	2015	5	23	3	1,667
5/23/2015 4:00	2015	5	23	4	1,615
5/23/2015 5:00	2015	5	23	5	1,670
5/23/2015 6:00	2015	5	23	6	1,689
5/23/2015 7:00	2015	5	23	7	1,810
5/23/2015 8:00	2015	5	23	8	1,894
5/23/2015 9:00	2015	5	23	9	1,972
5/23/2015 10:00	2015	5	23	10	1,995
5/23/2015 11:00	2015	5	23	11	2,063
5/23/2015 12:00	2015	5	23	12	2,079
5/23/2015 13:00	2015	5	23	13	2,154
5/23/2015 14:00	2015	5	23	14	2,192
5/23/2015 15:00	2015	5	23	15	2,280
5/23/2015 16:00	2015	5	23	16	2,304
5/23/2015 17:00	2015	5	23	17	2,339
5/23/2015 18:00	2015	5	23	18	2,300
5/23/2015 19:00	2015	5	23	19	2,225
5/23/2015 20:00	2015	5	23	20	2,192
5/23/2015 21:00	2015	5	23	21	2,080
5/23/2015 22:00	2015	5	23	22	1,921
5/23/2015 23:00	2015	5	23	23	1,772
5/24/2015 0:00	2015	5	24	0	1,621
5/24/2015 1:00	2015	5	24	1	1,561
5/24/2015 2:00	2015	5	24	2	1,558
5/24/2015 3:00	2015	5	24	3	1,538
5/24/2015 4:00	2015	5	24	4	1,558
5/24/2015 5:00	2015	5	24	5	1,518
5/24/2015 6:00	2015	5	24	6	1,631
5/24/2015 7:00	2015	5	24	7	1,776
5/24/2015 8:00	2015	5	24	8	1,882
5/24/2015 9:00	2015	5	24	9	1,964
5/24/2015 10:00	2015	5	24	10	2,114

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5/24/2015 11:00	2015	5	24	11	2,147
5/24/2015 12:00	2015	5	24	12	2,278
5/24/2015 13:00	2015	5	24	13	2,338
5/24/2015 14:00	2015	5	24	14	2,439
5/24/2015 15:00	2015	5	24	15	2,539
5/24/2015 16:00	2015	5	24	16	2,571
5/24/2015 17:00	2015	5	24	17	2,538
5/24/2015 18:00	2015	5	24	18	2,502
5/24/2015 19:00	2015	5	24	19	2,386
5/24/2015 20:00	2015	5	24	20	2,389
5/24/2015 21:00	2015	5	24	21	2,267
5/24/2015 22:00	2015	5	24	22	2,026
5/24/2015 23:00	2015	5	24	23	1,925
5/25/2015 0:00	2015	5	25	0	1,784
5/25/2015 1:00	2015	5	25	1	1,737
5/25/2015 2:00	2015	5	25	2	1,708
5/25/2015 3:00	2015	5	25	3	1,686
5/25/2015 4:00	2015	5	25	4	1,679
5/25/2015 5:00	2015	5	25	5	1,713
5/25/2015 6:00	2015	5	25	6	1,729
5/25/2015 7:00	2015	5	25	7	1,846
5/25/2015 8:00	2015	5	25	8	2,024
5/25/2015 9:00	2015	5	25	9	2,164
5/25/2015 10:00	2015	5	25	10	2,282
5/25/2015 11:00	2015	5	25	11	2,366
5/25/2015 12:00	2015	5	25	12	2,381
5/25/2015 13:00	2015	5	25	13	2,400
5/25/2015 14:00	2015	5	25	14	2,424
5/25/2015 15:00	2015	5	25	15	2,350
5/25/2015 16:00	2015	5	25	16	2,361
5/25/2015 17:00	2015	5	25	17	2,371
5/25/2015 18:00	2015	5	25	18	2,422
5/25/2015 19:00	2015	5	25	19	2,387
5/25/2015 20:00	2015	5	25	20	2,403
5/25/2015 21:00	2015	5	25	21	2,273
5/25/2015 22:00	2015	5	25	22	2,058
5/25/2015 23:00	2015	5	25	23	1,882
5/26/2015 0:00	2015	5	26	0	1,810
5/26/2015 1:00	2015	5	26	1	1,788
5/26/2015 2:00	2015	5	26	2	1,799
5/26/2015 3:00	2015	5	26	3	1,799
5/26/2015 4:00	2015	5	26	4	1,907

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5/26/2015 5:00	2015	5	26	5	2,116
5/26/2015 6:00	2015	5	26	6	2,365
5/26/2015 7:00	2015	5	26	7	2,504
5/26/2015 8:00	2015	5	26	8	2,676
5/26/2015 9:00	2015	5	26	9	2,857
5/26/2015 10:00	2015	5	26	10	3,010
5/26/2015 11:00	2015	5	26	11	3,053
5/26/2015 12:00	2015	5	26	12	3,099
5/26/2015 13:00	2015	5	26	13	3,137
5/26/2015 14:00	2015	5	26	14	3,137
5/26/2015 15:00	2015	5	26	15	3,129
5/26/2015 16:00	2015	5	26	16	3,102
5/26/2015 17:00	2015	5	26	17	2,953
5/26/2015 18:00	2015	5	26	18	2,850
5/26/2015 19:00	2015	5	26	19	2,762
5/26/2015 20:00	2015	5	26	20	2,701
5/26/2015 21:00	2015	5	26	21	2,529
5/26/2015 22:00	2015	5	26	22	2,347
5/26/2015 23:00	2015	5	26	23	2,194
5/27/2015 0:00	2015	5	27	0	2,022
5/27/2015 1:00	2015	5	27	1	2,007
5/27/2015 2:00	2015	5	27	2	1,920
5/27/2015 3:00	2015	5	27	3	1,907
5/27/2015 4:00	2015	5	27	4	1,950
5/27/2015 5:00	2015	5	27	5	2,154
5/27/2015 6:00	2015	5	27	6	2,370
5/27/2015 7:00	2015	5	27	7	2,468
5/27/2015 8:00	2015	5	27	8	2,602
5/27/2015 9:00	2015	5	27	9	2,685
5/27/2015 10:00	2015	5	27	10	2,856
5/27/2015 11:00	2015	5	27	11	2,936
5/27/2015 12:00	2015	5	27	12	3,029
5/27/2015 13:00	2015	5	27	13	3,106
5/27/2015 14:00	2015	5	27	14	3,128
5/27/2015 15:00	2015	5	27	15	3,043
5/27/2015 16:00	2015	5	27	16	2,879
5/27/2015 17:00	2015	5	27	17	2,769
5/27/2015 18:00	2015	5	27	18	2,645
5/27/2015 19:00	2015	5	27	19	2,565
5/27/2015 20:00	2015	5	27	20	2,571
5/27/2015 21:00	2015	5	27	21	2,416
5/27/2015 22:00	2015	5	27	22	2,202

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5/27/2015 23:00	2015	5	27	23	2,039
5/28/2015 0:00	2015	5	28	0	1,909
5/28/2015 1:00	2015	5	28	1	1,795
5/28/2015 2:00	2015	5	28	2	1,765
5/28/2015 3:00	2015	5	28	3	1,763
5/28/2015 4:00	2015	5	28	4	1,835
5/28/2015 5:00	2015	5	28	5	2,045
5/28/2015 6:00	2015	5	28	6	2,230
5/28/2015 7:00	2015	5	28	7	2,353
5/28/2015 8:00	2015	5	28	8	2,466
5/28/2015 9:00	2015	5	28	9	2,569
5/28/2015 10:00	2015	5	28	10	2,669
5/28/2015 11:00	2015	5	28	11	2,768
5/28/2015 12:00	2015	5	28	12	2,853
5/28/2015 13:00	2015	5	28	13	2,934
5/28/2015 14:00	2015	5	28	14	2,968
5/28/2015 15:00	2015	5	28	15	2,970
5/28/2015 16:00	2015	5	28	16	2,975
5/28/2015 17:00	2015	5	28	17	2,917
5/28/2015 18:00	2015	5	28	18	2,850
5/28/2015 19:00	2015	5	28	19	2,797
5/28/2015 20:00	2015	5	28	20	2,769
5/28/2015 21:00	2015	5	28	21	2,625
5/28/2015 22:00	2015	5	28	22	2,414
5/28/2015 23:00	2015	5	28	23	2,209
5/29/2015 0:00	2015	5	29	0	2,053
5/29/2015 1:00	2015	5	29	1	1,964
5/29/2015 2:00	2015	5	29	2	1,900
5/29/2015 3:00	2015	5	29	3	1,877
5/29/2015 4:00	2015	5	29	4	1,948
5/29/2015 5:00	2015	5	29	5	2,125
5/29/2015 6:00	2015	5	29	6	2,321
5/29/2015 7:00	2015	5	29	7	2,457
5/29/2015 8:00	2015	5	29	8	2,593
5/29/2015 9:00	2015	5	29	9	2,677
5/29/2015 10:00	2015	5	29	10	2,827
5/29/2015 11:00	2015	5	29	11	2,980
5/29/2015 12:00	2015	5	29	12	3,025
5/29/2015 13:00	2015	5	29	13	3,053
5/29/2015 14:00	2015	5	29	14	3,063
5/29/2015 15:00	2015	5	29	15	3,070
5/29/2015 16:00	2015	5	29	16	3,061

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5/29/2015 17:00	2015	5	29	17	3,016
5/29/2015 18:00	2015	5	29	18	2,923
5/29/2015 19:00	2015	5	29	19	2,819
5/29/2015 20:00	2015	5	29	20	2,777
5/29/2015 21:00	2015	5	29	21	2,617
5/29/2015 22:00	2015	5	29	22	2,426
5/29/2015 23:00	2015	5	29	23	2,214
5/30/2015 0:00	2015	5	30	0	2,052
5/30/2015 1:00	2015	5	30	1	1,935
5/30/2015 2:00	2015	5	30	2	1,865
5/30/2015 3:00	2015	5	30	3	1,817
5/30/2015 4:00	2015	5	30	4	1,838
5/30/2015 5:00	2015	5	30	5	1,833
5/30/2015 6:00	2015	5	30	6	1,936
5/30/2015 7:00	2015	5	30	7	2,094
5/30/2015 8:00	2015	5	30	8	2,308
5/30/2015 9:00	2015	5	30	9	2,493
5/30/2015 10:00	2015	5	30	10	2,632
5/30/2015 11:00	2015	5	30	11	2,757
5/30/2015 12:00	2015	5	30	12	2,797
5/30/2015 13:00	2015	5	30	13	2,864
5/30/2015 14:00	2015	5	30	14	2,902
5/30/2015 15:00	2015	5	30	15	2,925
5/30/2015 16:00	2015	5	30	16	2,925
5/30/2015 17:00	2015	5	30	17	2,889
5/30/2015 18:00	2015	5	30	18	2,770
5/30/2015 19:00	2015	5	30	19	2,674
5/30/2015 20:00	2015	5	30	20	2,617
5/30/2015 21:00	2015	5	30	21	2,477
5/30/2015 22:00	2015	5	30	22	2,264
5/30/2015 23:00	2015	5	30	23	2,101
5/31/2015 0:00	2015	5	31	0	1,944
5/31/2015 1:00	2015	5	31	1	1,849
5/31/2015 2:00	2015	5	31	2	1,814
5/31/2015 3:00	2015	5	31	3	1,755
5/31/2015 4:00	2015	5	31	4	1,740
5/31/2015 5:00	2015	5	31	5	1,714
5/31/2015 6:00	2015	5	31	6	1,780
5/31/2015 7:00	2015	5	31	7	1,930
5/31/2015 8:00	2015	5	31	8	2,088
5/31/2015 9:00	2015	5	31	9	2,273
5/31/2015 10:00	2015	5	31	10	2,332



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5/31/2015 11:00	2015	5	31	11	2,411
5/31/2015 12:00	2015	5	31	12	2,462
5/31/2015 13:00	2015	5	31	13	2,529
5/31/2015 14:00	2015	5	31	14	2,606
5/31/2015 15:00	2015	5	31	15	2,608
5/31/2015 16:00	2015	5	31	16	2,593
5/31/2015 17:00	2015	5	31	17	2,590
5/31/2015 18:00	2015	5	31	18	2,477
5/31/2015 19:00	2015	5	31	19	2,361
5/31/2015 20:00	2015	5	31	20	2,351
5/31/2015 21:00	2015	5	31	21	2,282
5/31/2015 22:00	2015	5	31	22	2,102
5/31/2015 23:00	2015	5	31	23	1,939
6/1/2015 0:00	2015	6	1	0	1,841
6/1/2015 1:00	2015	6	1	1	1,799
6/1/2015 2:00	2015	6	1	2	1,809
6/1/2015 3:00	2015	6	1	3	1,787
6/1/2015 4:00	2015	6	1	4	1,918
6/1/2015 5:00	2015	6	1	5	2,059
6/1/2015 6:00	2015	6	1	6	2,243
6/1/2015 7:00	2015	6	1	7	2,345
6/1/2015 8:00	2015	6	1	8	2,423
6/1/2015 9:00	2015	6	1	9	2,522
6/1/2015 10:00	2015	6	1	10	2,509
6/1/2015 11:00	2015	6	1	11	2,532
6/1/2015 12:00	2015	6	1	12	2,517
6/1/2015 13:00	2015	6	1	13	2,493
6/1/2015 14:00	2015	6	1	14	2,503
6/1/2015 15:00	2015	6	1	15	2,467
6/1/2015 16:00	2015	6	1	16	2,403
6/1/2015 17:00	2015	6	1	17	2,423
6/1/2015 18:00	2015	6	1	18	2,356
6/1/2015 19:00	2015	6	1	19	2,308
6/1/2015 20:00	2015	6	1	20	2,365
6/1/2015 21:00	2015	6	1	21	2,259
6/1/2015 22:00	2015	6	1	22	2,107
6/1/2015 23:00	2015	6	1	23	1,987
6/2/2015 0:00	2015	6	2	0	1,890
6/2/2015 1:00	2015	6	2	1	1,838
6/2/2015 2:00	2015	6	2	2	1,801
6/2/2015 3:00	2015	6	2	3	1,789
6/2/2015 4:00	2015	6	2	4	1,921

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6/2/2015 5:00	2015	6	2	5	2,028
6/2/2015 6:00	2015	6	2	6	2,181
6/2/2015 7:00	2015	6	2	7	2,346
6/2/2015 8:00	2015	6	2	8	2,387
6/2/2015 9:00	2015	6	2	9	2,461
6/2/2015 10:00	2015	6	2	10	2,445
6/2/2015 11:00	2015	6	2	11	2,464
6/2/2015 12:00	2015	6	2	12	2,452
6/2/2015 13:00	2015	6	2	13	2,465
6/2/2015 14:00	2015	6	2	14	2,469
6/2/2015 15:00	2015	6	2	15	2,412
6/2/2015 16:00	2015	6	2	16	2,361
6/2/2015 17:00	2015	6	2	17	2,381
6/2/2015 18:00	2015	6	2	18	2,372
6/2/2015 19:00	2015	6	2	19	2,376
6/2/2015 20:00	2015	6	2	20	2,405
6/2/2015 21:00	2015	6	2	21	2,266
6/2/2015 22:00	2015	6	2	22	2,132
6/2/2015 23:00	2015	6	2	23	2,016
6/3/2015 0:00	2015	6	3	0	1,907
6/3/2015 1:00	2015	6	3	1	1,831
6/3/2015 2:00	2015	6	3	2	1,850
6/3/2015 3:00	2015	6	3	3	1,820
6/3/2015 4:00	2015	6	3	4	1,911
6/3/2015 5:00	2015	6	3	5	2,092
6/3/2015 6:00	2015	6	3	6	2,260
6/3/2015 7:00	2015	6	3	7	2,308
6/3/2015 8:00	2015	6	3	8	2,427
6/3/2015 9:00	2015	6	3	9	2,446
6/3/2015 10:00	2015	6	3	10	2,453
6/3/2015 11:00	2015	6	3	11	2,530
6/3/2015 12:00	2015	6	3	12	2,563
6/3/2015 13:00	2015	6	3	13	2,569
6/3/2015 14:00	2015	6	3	14	2,560
6/3/2015 15:00	2015	6	3	15	2,520
6/3/2015 16:00	2015	6	3	16	2,512
6/3/2015 17:00	2015	6	3	17	2,528
6/3/2015 18:00	2015	6	3	18	2,491
6/3/2015 19:00	2015	6	3	19	2,461
6/3/2015 20:00	2015	6	3	20	2,479
6/3/2015 21:00	2015	6	3	21	2,385
6/3/2015 22:00	2015	6	3	22	2,200

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6/3/2015 23:00	2015	6	3	23	2,032
6/4/2015 0:00	2015	6	4	0	1,898
6/4/2015 1:00	2015	6	4	1	1,837
6/4/2015 2:00	2015	6	4	2	1,814
6/4/2015 3:00	2015	6	4	3	1,825
6/4/2015 4:00	2015	6	4	4	1,901
6/4/2015 5:00	2015	6	4	5	2,002
6/4/2015 6:00	2015	6	4	6	2,214
6/4/2015 7:00	2015	6	4	7	2,381
6/4/2015 8:00	2015	6	4	8	2,456
6/4/2015 9:00	2015	6	4	9	2,577
6/4/2015 10:00	2015	6	4	10	2,656
6/4/2015 11:00	2015	6	4	11	2,810
6/4/2015 12:00	2015	6	4	12	2,886
6/4/2015 13:00	2015	6	4	13	2,943
6/4/2015 14:00	2015	6	4	14	3,027
6/4/2015 15:00	2015	6	4	15	3,069
6/4/2015 16:00	2015	6	4	16	3,094
6/4/2015 17:00	2015	6	4	17	3,062
6/4/2015 18:00	2015	6	4	18	2,980
6/4/2015 19:00	2015	6	4	19	2,905
6/4/2015 20:00	2015	6	4	20	2,856
6/4/2015 21:00	2015	6	4	21	2,687
6/4/2015 22:00	2015	6	4	22	2,460
6/4/2015 23:00	2015	6	4	23	2,221
6/5/2015 0:00	2015	6	5	0	2,029
6/5/2015 1:00	2015	6	5	1	1,970
6/5/2015 2:00	2015	6	5	2	1,906
6/5/2015 3:00	2015	6	5	3	1,885
6/5/2015 4:00	2015	6	5	4	1,960
6/5/2015 5:00	2015	6	5	5	2,119
6/5/2015 6:00	2015	6	5	6	2,233
6/5/2015 7:00	2015	6	5	7	2,387
6/5/2015 8:00	2015	6	5	8	2,607
6/5/2015 9:00	2015	6	5	9	2,760
6/5/2015 10:00	2015	6	5	10	2,850
6/5/2015 11:00	2015	6	5	11	3,003
6/5/2015 12:00	2015	6	5	12	3,075
6/5/2015 13:00	2015	6	5	13	3,167
6/5/2015 14:00	2015	6	5	14	3,197
6/5/2015 15:00	2015	6	5	15	3,212
6/5/2015 16:00	2015	6	5	16	3,177

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6/5/2015 17:00	2015	6	5	17	3,160
6/5/2015 18:00	2015	6	5	18	3,052
6/5/2015 19:00	2015	6	5	19	2,968
6/5/2015 20:00	2015	6	5	20	2,850
6/5/2015 21:00	2015	6	5	21	2,743
6/5/2015 22:00	2015	6	5	22	2,458
6/5/2015 23:00	2015	6	5	23	2,277
6/6/2015 0:00	2015	6	6	0	2,112
6/6/2015 1:00	2015	6	6	1	2,005
6/6/2015 2:00	2015	6	6	2	1,873
6/6/2015 3:00	2015	6	6	3	1,872
6/6/2015 4:00	2015	6	6	4	1,828
6/6/2015 5:00	2015	6	6	5	1,842
6/6/2015 6:00	2015	6	6	6	1,918
6/6/2015 7:00	2015	6	6	7	2,065
6/6/2015 8:00	2015	6	6	8	2,184
6/6/2015 9:00	2015	6	6	9	2,363
6/6/2015 10:00	2015	6	6	10	2,471
6/6/2015 11:00	2015	6	6	11	2,575
6/6/2015 12:00	2015	6	6	12	2,721
6/6/2015 13:00	2015	6	6	13	2,784
6/6/2015 14:00	2015	6	6	14	2,824
6/6/2015 15:00	2015	6	6	15	2,894
6/6/2015 16:00	2015	6	6	16	2,874
6/6/2015 17:00	2015	6	6	17	2,844
6/6/2015 18:00	2015	6	6	18	2,749
6/6/2015 19:00	2015	6	6	19	2,640
6/6/2015 20:00	2015	6	6	20	2,590
6/6/2015 21:00	2015	6	6	21	2,438
6/6/2015 22:00	2015	6	6	22	2,233
6/6/2015 23:00	2015	6	6	23	2,039
6/7/2015 0:00	2015	6	7	0	1,899
6/7/2015 1:00	2015	6	7	1	1,807
6/7/2015 2:00	2015	6	7	2	1,736
6/7/2015 3:00	2015	6	7	3	1,761
6/7/2015 4:00	2015	6	7	4	1,698
6/7/2015 5:00	2015	6	7	5	1,702
6/7/2015 6:00	2015	6	7	6	1,759
6/7/2015 7:00	2015	6	7	7	1,892
6/7/2015 8:00	2015	6	7	8	2,152
6/7/2015 9:00	2015	6	7	9	2,345
6/7/2015 10:00	2015	6	7	10	2,506

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6/7/2015 11:00	2015	6	7	11	2,675
6/7/2015 12:00	2015	6	7	12	2,817
6/7/2015 13:00	2015	6	7	13	2,890
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6/7/2015 15:00	2015	6	7	15	3,045
6/7/2015 16:00	2015	6	7	16	3,114
6/7/2015 17:00	2015	6	7	17	3,034
6/7/2015 18:00	2015	6	7	18	3,007
6/7/2015 19:00	2015	6	7	19	2,960
6/7/2015 20:00	2015	6	7	20	2,839
6/7/2015 21:00	2015	6	7	21	2,736
6/7/2015 22:00	2015	6	7	22	2,523
6/7/2015 23:00	2015	6	7	23	2,313
6/8/2015 0:00	2015	6	8	0	2,200
6/8/2015 1:00	2015	6	8	1	2,098
6/8/2015 2:00	2015	6	8	2	2,054
6/8/2015 3:00	2015	6	8	3	2,033
6/8/2015 4:00	2015	6	8	4	2,103
6/8/2015 5:00	2015	6	8	5	2,317
6/8/2015 6:00	2015	6	8	6	2,509
6/8/2015 7:00	2015	6	8	7	2,640
6/8/2015 8:00	2015	6	8	8	2,749
6/8/2015 9:00	2015	6	8	9	2,813
6/8/2015 10:00	2015	6	8	10	2,963
6/8/2015 11:00	2015	6	8	11	2,984
6/8/2015 12:00	2015	6	8	12	3,039
6/8/2015 13:00	2015	6	8	13	3,127
6/8/2015 14:00	2015	6	8	14	3,135
6/8/2015 15:00	2015	6	8	15	2,955
6/8/2015 16:00	2015	6	8	16	2,826
6/8/2015 17:00	2015	6	8	17	2,852
6/8/2015 18:00	2015	6	8	18	2,768
6/8/2015 19:00	2015	6	8	19	2,645
6/8/2015 20:00	2015	6	8	20	2,682
6/8/2015 21:00	2015	6	8	21	2,538
6/8/2015 22:00	2015	6	8	22	2,286
6/8/2015 23:00	2015	6	8	23	2,170
6/9/2015 0:00	2015	6	9	0	2,033
6/9/2015 1:00	2015	6	9	1	1,948
6/9/2015 2:00	2015	6	9	2	1,890
6/9/2015 3:00	2015	6	9	3	1,846
6/9/2015 4:00	2015	6	9	4	1,962

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6/9/2015 5:00	2015	6	9	5	2,079
6/9/2015 6:00	2015	6	9	6	2,263
6/9/2015 7:00	2015	6	9	7	2,453
6/9/2015 8:00	2015	6	9	8	2,639
6/9/2015 9:00	2015	6	9	9	2,700
6/9/2015 10:00	2015	6	9	10	2,901
6/9/2015 11:00	2015	6	9	11	3,015
6/9/2015 12:00	2015	6	9	12	3,243
6/9/2015 13:00	2015	6	9	13	3,264
6/9/2015 14:00	2015	6	9	14	3,321
6/9/2015 15:00	2015	6	9	15	3,337
6/9/2015 16:00	2015	6	9	16	3,326
6/9/2015 17:00	2015	6	9	17	3,293
6/9/2015 18:00	2015	6	9	18	3,173
6/9/2015 19:00	2015	6	9	19	3,082
6/9/2015 20:00	2015	6	9	20	2,988
6/9/2015 21:00	2015	6	9	21	2,779
6/9/2015 22:00	2015	6	9	22	2,545
6/9/2015 23:00	2015	6	9	23	2,294
6/10/2015 0:00	2015	6	10	0	2,096
6/10/2015 1:00	2015	6	10	1	2,022
6/10/2015 2:00	2015	6	10	2	1,963
6/10/2015 3:00	2015	6	10	3	1,956
6/10/2015 4:00	2015	6	10	4	2,009
6/10/2015 5:00	2015	6	10	5	2,130
6/10/2015 6:00	2015	6	10	6	2,356
6/10/2015 7:00	2015	6	10	7	2,557
6/10/2015 8:00	2015	6	10	8	2,729
6/10/2015 9:00	2015	6	10	9	2,952
6/10/2015 10:00	2015	6	10	10	3,141
6/10/2015 11:00	2015	6	10	11	3,294
6/10/2015 12:00	2015	6	10	12	3,402
6/10/2015 13:00	2015	6	10	13	3,515
6/10/2015 14:00	2015	6	10	14	3,603
6/10/2015 15:00	2015	6	10	15	3,603
6/10/2015 16:00	2015	6	10	16	3,605
6/10/2015 17:00	2015	6	10	17	3,524
6/10/2015 18:00	2015	6	10	18	3,461
6/10/2015 19:00	2015	6	10	19	3,306
6/10/2015 20:00	2015	6	10	20	3,235
6/10/2015 21:00	2015	6	10	21	3,022
6/10/2015 22:00	2015	6	10	22	2,730

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6/10/2015 23:00	2015	6	10	23	2,468
6/11/2015 0:00	2015	6	11	0	2,276
6/11/2015 1:00	2015	6	11	1	2,176
6/11/2015 2:00	2015	6	11	2	2,056
6/11/2015 3:00	2015	6	11	3	2,013
6/11/2015 4:00	2015	6	11	4	2,040
6/11/2015 5:00	2015	6	11	5	2,202
6/11/2015 6:00	2015	6	11	6	2,396
6/11/2015 7:00	2015	6	11	7	2,621
6/11/2015 8:00	2015	6	11	8	2,821
6/11/2015 9:00	2015	6	11	9	3,043
6/11/2015 10:00	2015	6	11	10	3,316
6/11/2015 11:00	2015	6	11	11	3,494
6/11/2015 12:00	2015	6	11	12	3,629
6/11/2015 13:00	2015	6	11	13	3,701
6/11/2015 14:00	2015	6	11	14	3,739
6/11/2015 15:00	2015	6	11	15	3,768
6/11/2015 16:00	2015	6	11	16	3,731
6/11/2015 17:00	2015	6	11	17	3,642
6/11/2015 18:00	2015	6	11	18	3,569
6/11/2015 19:00	2015	6	11	19	3,410
6/11/2015 20:00	2015	6	11	20	3,317
6/11/2015 21:00	2015	6	11	21	3,165
6/11/2015 22:00	2015	6	11	22	2,910
6/11/2015 23:00	2015	6	11	23	2,637
6/12/2015 0:00	2015	6	12	0	2,430
6/12/2015 1:00	2015	6	12	1	2,288
6/12/2015 2:00	2015	6	12	2	2,207
6/12/2015 3:00	2015	6	12	3	2,204
6/12/2015 4:00	2015	6	12	4	2,266
6/12/2015 5:00	2015	6	12	5	2,414
6/12/2015 6:00	2015	6	12	6	2,571
6/12/2015 7:00	2015	6	12	7	2,828
6/12/2015 8:00	2015	6	12	8	3,045
6/12/2015 9:00	2015	6	12	9	3,218
6/12/2015 10:00	2015	6	12	10	3,402
6/12/2015 11:00	2015	6	12	11	3,560
6/12/2015 12:00	2015	6	12	12	3,628
6/12/2015 13:00	2015	6	12	13	3,646
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6/12/2015 15:00	2015	6	12	15	3,638
6/12/2015 16:00	2015	6	12	16	3,687

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6/12/2015 17:00	2015	6	12	17	3,510
6/12/2015 18:00	2015	6	12	18	3,435
6/12/2015 19:00	2015	6	12	19	3,343
6/12/2015 20:00	2015	6	12	20	3,237
6/12/2015 21:00	2015	6	12	21	3,067
6/12/2015 22:00	2015	6	12	22	2,832
6/12/2015 23:00	2015	6	12	23	2,616
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6/13/2015 2:00	2015	6	13	2	2,189
6/13/2015 3:00	2015	6	13	3	2,133
6/13/2015 4:00	2015	6	13	4	2,111
6/13/2015 5:00	2015	6	13	5	2,128
6/13/2015 6:00	2015	6	13	6	2,235
6/13/2015 7:00	2015	6	13	7	2,454
6/13/2015 8:00	2015	6	13	8	2,640
6/13/2015 9:00	2015	6	13	9	2,836
6/13/2015 10:00	2015	6	13	10	2,960
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6/13/2015 15:00	2015	6	13	15	3,215
6/13/2015 16:00	2015	6	13	16	3,241
6/13/2015 17:00	2015	6	13	17	3,157
6/13/2015 18:00	2015	6	13	18	3,098
6/13/2015 19:00	2015	6	13	19	3,013
6/13/2015 20:00	2015	6	13	20	2,918
6/13/2015 21:00	2015	6	13	21	2,833
6/13/2015 22:00	2015	6	13	22	2,594
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6/14/2015 1:00	2015	6	14	1	2,165
6/14/2015 2:00	2015	6	14	2	2,100
6/14/2015 3:00	2015	6	14	3	2,066
6/14/2015 4:00	2015	6	14	4	2,034
6/14/2015 5:00	2015	6	14	5	1,960
6/14/2015 6:00	2015	6	14	6	2,058
6/14/2015 7:00	2015	6	14	7	2,284
6/14/2015 8:00	2015	6	14	8	2,472
6/14/2015 9:00	2015	6	14	9	2,727
6/14/2015 10:00	2015	6	14	10	2,897



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6/14/2015 11:00	2015	6	14	11	2,957
6/14/2015 12:00	2015	6	14	12	3,115
6/14/2015 13:00	2015	6	14	13	3,147
6/14/2015 14:00	2015	6	14	14	3,214
6/14/2015 15:00	2015	6	14	15	3,210
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6/14/2015 17:00	2015	6	14	17	3,354
6/14/2015 18:00	2015	6	14	18	3,278
6/14/2015 19:00	2015	6	14	19	3,158
6/14/2015 20:00	2015	6	14	20	3,108
6/14/2015 21:00	2015	6	14	21	2,950
6/14/2015 22:00	2015	6	14	22	2,707
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6/15/2015 0:00	2015	6	15	0	2,384
6/15/2015 1:00	2015	6	15	1	2,283
6/15/2015 2:00	2015	6	15	2	2,230
6/15/2015 3:00	2015	6	15	3	2,195
6/15/2015 4:00	2015	6	15	4	2,275
6/15/2015 5:00	2015	6	15	5	2,434
6/15/2015 6:00	2015	6	15	6	2,616
6/15/2015 7:00	2015	6	15	7	2,922
6/15/2015 8:00	2015	6	15	8	3,176
6/15/2015 9:00	2015	6	15	9	3,324
6/15/2015 10:00	2015	6	15	10	3,502
6/15/2015 11:00	2015	6	15	11	3,636
6/15/2015 12:00	2015	6	15	12	3,693
6/15/2015 13:00	2015	6	15	13	3,760
6/15/2015 14:00	2015	6	15	14	3,790
6/15/2015 15:00	2015	6	15	15	3,790
6/15/2015 16:00	2015	6	15	16	3,766
6/15/2015 17:00	2015	6	15	17	3,740
6/15/2015 18:00	2015	6	15	18	3,649
6/15/2015 19:00	2015	6	15	19	3,520
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6/15/2015 21:00	2015	6	15	21	3,228
6/15/2015 22:00	2015	6	15	22	2,977
6/15/2015 23:00	2015	6	15	23	2,712
6/16/2015 0:00	2015	6	16	0	2,572
6/16/2015 1:00	2015	6	16	1	2,447
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6/16/2015 3:00	2015	6	16	3	2,321
6/16/2015 4:00	2015	6	16	4	2,403

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6/16/2015 5:00	2015	6	16	5	2,507
6/16/2015 6:00	2015	6	16	6	2,647
6/16/2015 7:00	2015	6	16	7	2,927
6/16/2015 8:00	2015	6	16	8	3,113
6/16/2015 9:00	2015	6	16	9	3,359
6/16/2015 10:00	2015	6	16	10	3,527
6/16/2015 11:00	2015	6	16	11	3,624
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6/16/2015 13:00	2015	6	16	13	3,759
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6/16/2015 15:00	2015	6	16	15	3,585
6/16/2015 16:00	2015	6	16	16	3,486
6/16/2015 17:00	2015	6	16	17	3,438
6/16/2015 18:00	2015	6	16	18	3,272
6/16/2015 19:00	2015	6	16	19	3,179
6/16/2015 20:00	2015	6	16	20	3,185
6/16/2015 21:00	2015	6	16	21	2,962
6/16/2015 22:00	2015	6	16	22	2,753
6/16/2015 23:00	2015	6	16	23	2,555
6/17/2015 0:00	2015	6	17	0	2,373
6/17/2015 1:00	2015	6	17	1	2,277
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6/17/2015 3:00	2015	6	17	3	2,187
6/17/2015 4:00	2015	6	17	4	2,283
6/17/2015 5:00	2015	6	17	5	2,435
6/17/2015 6:00	2015	6	17	6	2,594
6/17/2015 7:00	2015	6	17	7	2,722
6/17/2015 8:00	2015	6	17	8	2,913
6/17/2015 9:00	2015	6	17	9	3,088
6/17/2015 10:00	2015	6	17	10	3,241
6/17/2015 11:00	2015	6	17	11	3,389
6/17/2015 12:00	2015	6	17	12	3,579
6/17/2015 13:00	2015	6	17	13	3,613
6/17/2015 14:00	2015	6	17	14	3,767
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6/17/2015 17:00	2015	6	17	17	3,591
6/17/2015 18:00	2015	6	17	18	3,485
6/17/2015 19:00	2015	6	17	19	3,290
6/17/2015 20:00	2015	6	17	20	3,259
6/17/2015 21:00	2015	6	17	21	3,051
6/17/2015 22:00	2015	6	17	22	2,818

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6/17/2015 23:00	2015	6	17	23	2,602
6/18/2015 0:00	2015	6	18	0	2,379
6/18/2015 1:00	2015	6	18	1	2,322
6/18/2015 2:00	2015	6	18	2	2,191
6/18/2015 3:00	2015	6	18	3	2,136
6/18/2015 4:00	2015	6	18	4	2,275
6/18/2015 5:00	2015	6	18	5	2,374
6/18/2015 6:00	2015	6	18	6	2,553
6/18/2015 7:00	2015	6	18	7	2,815
6/18/2015 8:00	2015	6	18	8	3,014
6/18/2015 9:00	2015	6	18	9	3,277
6/18/2015 10:00	2015	6	18	10	3,473
6/18/2015 11:00	2015	6	18	11	3,644
6/18/2015 12:00	2015	6	18	12	3,749
6/18/2015 13:00	2015	6	18	13	3,738
6/18/2015 14:00	2015	6	18	14	3,747
6/18/2015 15:00	2015	6	18	15	3,728
6/18/2015 16:00	2015	6	18	16	3,574
6/18/2015 17:00	2015	6	18	17	3,412
6/18/2015 18:00	2015	6	18	18	3,258
6/18/2015 19:00	2015	6	18	19	3,152
6/18/2015 20:00	2015	6	18	20	3,085
6/18/2015 21:00	2015	6	18	21	2,912
6/18/2015 22:00	2015	6	18	22	2,691
6/18/2015 23:00	2015	6	18	23	2,445
6/19/2015 0:00	2015	6	19	0	2,291
6/19/2015 1:00	2015	6	19	1	2,203
6/19/2015 2:00	2015	6	19	2	2,136
6/19/2015 3:00	2015	6	19	3	2,187
6/19/2015 4:00	2015	6	19	4	2,237
6/19/2015 5:00	2015	6	19	5	2,407
6/19/2015 6:00	2015	6	19	6	2,531
6/19/2015 7:00	2015	6	19	7	2,692
6/19/2015 8:00	2015	6	19	8	2,838
6/19/2015 9:00	2015	6	19	9	2,956
6/19/2015 10:00	2015	6	19	10	3,121
6/19/2015 11:00	2015	6	19	11	3,222
6/19/2015 12:00	2015	6	19	12	3,334
6/19/2015 13:00	2015	6	19	13	3,415
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6/19/2015 15:00	2015	6	19	15	3,254
6/19/2015 16:00	2015	6	19	16	3,101

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6/19/2015 17:00	2015	6	19	17	2,982
6/19/2015 18:00	2015	6	19	18	2,896
6/19/2015 19:00	2015	6	19	19	2,790
6/19/2015 20:00	2015	6	19	20	2,813
6/19/2015 21:00	2015	6	19	21	2,665
6/19/2015 22:00	2015	6	19	22	2,520
6/19/2015 23:00	2015	6	19	23	2,344
6/20/2015 0:00	2015	6	20	0	2,178
6/20/2015 1:00	2015	6	20	1	2,096
6/20/2015 2:00	2015	6	20	2	1,999
6/20/2015 3:00	2015	6	20	3	2,018
6/20/2015 4:00	2015	6	20	4	2,045
6/20/2015 5:00	2015	6	20	5	2,040
6/20/2015 6:00	2015	6	20	6	2,105
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6/20/2015 8:00	2015	6	20	8	2,360
6/20/2015 9:00	2015	6	20	9	2,494
6/20/2015 10:00	2015	6	20	10	2,519
6/20/2015 11:00	2015	6	20	11	2,560
6/20/2015 12:00	2015	6	20	12	2,567
6/20/2015 13:00	2015	6	20	13	2,542
6/20/2015 14:00	2015	6	20	14	2,594
6/20/2015 15:00	2015	6	20	15	2,611
6/20/2015 16:00	2015	6	20	16	2,653
6/20/2015 17:00	2015	6	20	17	2,693
6/20/2015 18:00	2015	6	20	18	2,729
6/20/2015 19:00	2015	6	20	19	2,662
6/20/2015 20:00	2015	6	20	20	2,600
6/20/2015 21:00	2015	6	20	21	2,489
6/20/2015 22:00	2015	6	20	22	2,332
6/20/2015 23:00	2015	6	20	23	2,166
6/21/2015 0:00	2015	6	21	0	2,058
6/21/2015 1:00	2015	6	21	1	1,977
6/21/2015 2:00	2015	6	21	2	1,891
6/21/2015 3:00	2015	6	21	3	1,895
6/21/2015 4:00	2015	6	21	4	1,863
6/21/2015 5:00	2015	6	21	5	1,861
6/21/2015 6:00	2015	6	21	6	1,927
6/21/2015 7:00	2015	6	21	7	2,110
6/21/2015 8:00	2015	6	21	8	2,353
6/21/2015 9:00	2015	6	21	9	2,546
6/21/2015 10:00	2015	6	21	10	2,748

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6/21/2015 11:00	2015	6	21	11	2,911
6/21/2015 12:00	2015	6	21	12	2,975
6/21/2015 13:00	2015	6	21	13	3,036
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6/21/2015 15:00	2015	6	21	15	3,148
6/21/2015 16:00	2015	6	21	16	3,137
6/21/2015 17:00	2015	6	21	17	3,038
6/21/2015 18:00	2015	6	21	18	2,924
6/21/2015 19:00	2015	6	21	19	2,846
6/21/2015 20:00	2015	6	21	20	2,828
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6/22/2015 0:00	2015	6	22	0	2,212
6/22/2015 1:00	2015	6	22	1	2,102
6/22/2015 2:00	2015	6	22	2	2,011
6/22/2015 3:00	2015	6	22	3	1,981
6/22/2015 4:00	2015	6	22	4	2,085
6/22/2015 5:00	2015	6	22	5	2,221
6/22/2015 6:00	2015	6	22	6	2,358
6/22/2015 7:00	2015	6	22	7	2,541
6/22/2015 8:00	2015	6	22	8	2,762
6/22/2015 9:00	2015	6	22	9	2,960
6/22/2015 10:00	2015	6	22	10	3,153
6/22/2015 11:00	2015	6	22	11	3,267
6/22/2015 12:00	2015	6	22	12	3,321
6/22/2015 13:00	2015	6	22	13	3,429
6/22/2015 14:00	2015	6	22	14	3,511
6/22/2015 15:00	2015	6	22	15	3,602
6/22/2015 16:00	2015	6	22	16	3,588
6/22/2015 17:00	2015	6	22	17	3,518
6/22/2015 18:00	2015	6	22	18	3,402
6/22/2015 19:00	2015	6	22	19	3,285
6/22/2015 20:00	2015	6	22	20	3,229
6/22/2015 21:00	2015	6	22	21	3,062
6/22/2015 22:00	2015	6	22	22	2,820
6/22/2015 23:00	2015	6	22	23	2,595
6/23/2015 0:00	2015	6	23	0	2,441
6/23/2015 1:00	2015	6	23	1	2,323
6/23/2015 2:00	2015	6	23	2	2,263
6/23/2015 3:00	2015	6	23	3	2,242
6/23/2015 4:00	2015	6	23	4	2,297

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6/23/2015 5:00	2015	6	23	5	2,433
6/23/2015 6:00	2015	6	23	6	2,593
6/23/2015 7:00	2015	6	23	7	2,761
6/23/2015 8:00	2015	6	23	8	2,983
6/23/2015 9:00	2015	6	23	9	3,148
6/23/2015 10:00	2015	6	23	10	3,324
6/23/2015 11:00	2015	6	23	11	3,474
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6/23/2015 15:00	2015	6	23	15	3,661
6/23/2015 16:00	2015	6	23	16	3,651
6/23/2015 17:00	2015	6	23	17	3,598
6/23/2015 18:00	2015	6	23	18	3,513
6/23/2015 19:00	2015	6	23	19	3,392
6/23/2015 20:00	2015	6	23	20	3,281
6/23/2015 21:00	2015	6	23	21	3,094
6/23/2015 22:00	2015	6	23	22	2,805
6/23/2015 23:00	2015	6	23	23	2,558
6/24/2015 0:00	2015	6	24	0	2,366
6/24/2015 1:00	2015	6	24	1	2,218
6/24/2015 2:00	2015	6	24	2	2,104
6/24/2015 3:00	2015	6	24	3	2,072
6/24/2015 4:00	2015	6	24	4	2,114
6/24/2015 5:00	2015	6	24	5	2,215
6/24/2015 6:00	2015	6	24	6	2,364
6/24/2015 7:00	2015	6	24	7	2,512
6/24/2015 8:00	2015	6	24	8	2,685
6/24/2015 9:00	2015	6	24	9	2,830
6/24/2015 10:00	2015	6	24	10	2,984
6/24/2015 11:00	2015	6	24	11	3,148
6/24/2015 12:00	2015	6	24	12	3,253
6/24/2015 13:00	2015	6	24	13	3,365
6/24/2015 14:00	2015	6	24	14	3,462
6/24/2015 15:00	2015	6	24	15	3,496
6/24/2015 16:00	2015	6	24	16	3,541
6/24/2015 17:00	2015	6	24	17	3,420
6/24/2015 18:00	2015	6	24	18	3,350
6/24/2015 19:00	2015	6	24	19	3,185
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6/24/2015 21:00	2015	6	24	21	2,835
6/24/2015 22:00	2015	6	24	22	2,605

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6/24/2015 23:00	2015	6	24	23	2,378
6/25/2015 0:00	2015	6	25	0	2,198
6/25/2015 1:00	2015	6	25	1	2,061
6/25/2015 2:00	2015	6	25	2	1,984
6/25/2015 3:00	2015	6	25	3	1,927
6/25/2015 4:00	2015	6	25	4	1,993
6/25/2015 5:00	2015	6	25	5	2,133
6/25/2015 6:00	2015	6	25	6	2,259
6/25/2015 7:00	2015	6	25	7	2,442
6/25/2015 8:00	2015	6	25	8	2,584
6/25/2015 9:00	2015	6	25	9	2,741
6/25/2015 10:00	2015	6	25	10	2,859
6/25/2015 11:00	2015	6	25	11	3,020
6/25/2015 12:00	2015	6	25	12	3,162
6/25/2015 13:00	2015	6	25	13	3,361
6/25/2015 14:00	2015	6	25	14	3,491
6/25/2015 15:00	2015	6	25	15	3,583
6/25/2015 16:00	2015	6	25	16	3,568
6/25/2015 17:00	2015	6	25	17	3,509
6/25/2015 18:00	2015	6	25	18	3,374
6/25/2015 19:00	2015	6	25	19	3,295
6/25/2015 20:00	2015	6	25	20	3,277
6/25/2015 21:00	2015	6	25	21	3,081
6/25/2015 22:00	2015	6	25	22	2,852
6/25/2015 23:00	2015	6	25	23	2,600
6/26/2015 0:00	2015	6	26	0	2,444
6/26/2015 1:00	2015	6	26	1	2,304
6/26/2015 2:00	2015	6	26	2	2,154
6/26/2015 3:00	2015	6	26	3	2,091
6/26/2015 4:00	2015	6	26	4	2,136
6/26/2015 5:00	2015	6	26	5	2,280
6/26/2015 6:00	2015	6	26	6	2,397
6/26/2015 7:00	2015	6	26	7	2,492
6/26/2015 8:00	2015	6	26	8	2,701
6/26/2015 9:00	2015	6	26	9	2,912
6/26/2015 10:00	2015	6	26	10	3,112
6/26/2015 11:00	2015	6	26	11	3,265
6/26/2015 12:00	2015	6	26	12	3,341
6/26/2015 13:00	2015	6	26	13	3,449
6/26/2015 14:00	2015	6	26	14	3,458
6/26/2015 15:00	2015	6	26	15	3,442
6/26/2015 16:00	2015	6	26	16	3,399

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6/26/2015 17:00	2015	6	26	17	3,187
6/26/2015 18:00	2015	6	26	18	2,957
6/26/2015 19:00	2015	6	26	19	2,834
6/26/2015 20:00	2015	6	26	20	2,785
6/26/2015 21:00	2015	6	26	21	2,636
6/26/2015 22:00	2015	6	26	22	2,454
6/26/2015 23:00	2015	6	26	23	2,304
6/27/2015 0:00	2015	6	27	0	2,156
6/27/2015 1:00	2015	6	27	1	2,029
6/27/2015 2:00	2015	6	27	2	1,974
6/27/2015 3:00	2015	6	27	3	1,931
6/27/2015 4:00	2015	6	27	4	1,964
6/27/2015 5:00	2015	6	27	5	1,961
6/27/2015 6:00	2015	6	27	6	2,042
6/27/2015 7:00	2015	6	27	7	2,192
6/27/2015 8:00	2015	6	27	8	2,329
6/27/2015 9:00	2015	6	27	9	2,417
6/27/2015 10:00	2015	6	27	10	2,414
6/27/2015 11:00	2015	6	27	11	2,427
6/27/2015 12:00	2015	6	27	12	2,454
6/27/2015 13:00	2015	6	27	13	2,434
6/27/2015 14:00	2015	6	27	14	2,419
6/27/2015 15:00	2015	6	27	15	2,450
6/27/2015 16:00	2015	6	27	16	2,444
6/27/2015 17:00	2015	6	27	17	2,473
6/27/2015 18:00	2015	6	27	18	2,367
6/27/2015 19:00	2015	6	27	19	2,252
6/27/2015 20:00	2015	6	27	20	2,208
6/27/2015 21:00	2015	6	27	21	2,116
6/27/2015 22:00	2015	6	27	22	1,965
6/27/2015 23:00	2015	6	27	23	1,824
6/28/2015 0:00	2015	6	28	0	1,769
6/28/2015 1:00	2015	6	28	1	1,740
6/28/2015 2:00	2015	6	28	2	1,618
6/28/2015 3:00	2015	6	28	3	1,622
6/28/2015 4:00	2015	6	28	4	1,610
6/28/2015 5:00	2015	6	28	5	1,599
6/28/2015 6:00	2015	6	28	6	1,646
6/28/2015 7:00	2015	6	28	7	1,755
6/28/2015 8:00	2015	6	28	8	1,957
6/28/2015 9:00	2015	6	28	9	2,022
6/28/2015 10:00	2015	6	28	10	2,090



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6/28/2015 11:00	2015	6	28	11	2,237
6/28/2015 12:00	2015	6	28	12	2,292
6/28/2015 13:00	2015	6	28	13	2,294
6/28/2015 14:00	2015	6	28	14	2,435
6/28/2015 15:00	2015	6	28	15	2,533
6/28/2015 16:00	2015	6	28	16	2,561
6/28/2015 17:00	2015	6	28	17	2,591
6/28/2015 18:00	2015	6	28	18	2,486
6/28/2015 19:00	2015	6	28	19	2,434
6/28/2015 20:00	2015	6	28	20	2,375
6/28/2015 21:00	2015	6	28	21	2,285
6/28/2015 22:00	2015	6	28	22	2,058
6/28/2015 23:00	2015	6	28	23	1,980
6/29/2015 0:00	2015	6	29	0	1,802
6/29/2015 1:00	2015	6	29	1	1,783
6/29/2015 2:00	2015	6	29	2	1,715
6/29/2015 3:00	2015	6	29	3	1,730
6/29/2015 4:00	2015	6	29	4	1,853
6/29/2015 5:00	2015	6	29	5	2,008
6/29/2015 6:00	2015	6	29	6	2,065
6/29/2015 7:00	2015	6	29	7	2,281
6/29/2015 8:00	2015	6	29	8	2,358
6/29/2015 9:00	2015	6	29	9	2,486
6/29/2015 10:00	2015	6	29	10	2,653
6/29/2015 11:00	2015	6	29	11	2,735
6/29/2015 12:00	2015	6	29	12	2,824
6/29/2015 13:00	2015	6	29	13	2,945
6/29/2015 14:00	2015	6	29	14	3,015
6/29/2015 15:00	2015	6	29	15	2,975
6/29/2015 16:00	2015	6	29	16	2,903
6/29/2015 17:00	2015	6	29	17	2,874
6/29/2015 18:00	2015	6	29	18	2,803
6/29/2015 19:00	2015	6	29	19	2,747
6/29/2015 20:00	2015	6	29	20	2,683
6/29/2015 21:00	2015	6	29	21	2,578
6/29/2015 22:00	2015	6	29	22	2,365
6/29/2015 23:00	2015	6	29	23	2,150
6/30/2015 0:00	2015	6	30	0	2,056
6/30/2015 1:00	2015	6	30	1	1,919
6/30/2015 2:00	2015	6	30	2	1,855
6/30/2015 3:00	2015	6	30	3	1,871
6/30/2015 4:00	2015	6	30	4	1,969

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6/30/2015 5:00	2015	6	30	5	2,061
6/30/2015 6:00	2015	6	30	6	2,178
6/30/2015 7:00	2015	6	30	7	2,357
6/30/2015 8:00	2015	6	30	8	2,506
6/30/2015 9:00	2015	6	30	9	2,597
6/30/2015 10:00	2015	6	30	10	2,717
6/30/2015 11:00	2015	6	30	11	2,866
6/30/2015 12:00	2015	6	30	12	2,970
6/30/2015 13:00	2015	6	30	13	3,066
6/30/2015 14:00	2015	6	30	14	3,066
6/30/2015 15:00	2015	6	30	15	3,047
6/30/2015 16:00	2015	6	30	16	3,038
6/30/2015 17:00	2015	6	30	17	2,985
6/30/2015 18:00	2015	6	30	18	2,840
6/30/2015 19:00	2015	6	30	19	2,715
6/30/2015 20:00	2015	6	30	20	2,656
6/30/2015 21:00	2015	6	30	21	2,518
6/30/2015 22:00	2015	6	30	22	2,327
6/30/2015 23:00	2015	6	30	23	2,154
7/1/2015 0:00	2015	7	1	0	2,051
7/1/2015 1:00	2015	7	1	1	1,901
7/1/2015 2:00	2015	7	1	2	1,820
7/1/2015 3:00	2015	7	1	3	1,879
7/1/2015 4:00	2015	7	1	4	1,928
7/1/2015 5:00	2015	7	1	5	2,119
7/1/2015 6:00	2015	7	1	6	2,243
7/1/2015 7:00	2015	7	1	7	2,416
7/1/2015 8:00	2015	7	1	8	2,532
7/1/2015 9:00	2015	7	1	9	2,619
7/1/2015 10:00	2015	7	1	10	2,708
7/1/2015 11:00	2015	7	1	11	2,793
7/1/2015 12:00	2015	7	1	12	2,870
7/1/2015 13:00	2015	7	1	13	2,882
7/1/2015 14:00	2015	7	1	14	2,893
7/1/2015 15:00	2015	7	1	15	2,852
7/1/2015 16:00	2015	7	1	16	2,795
7/1/2015 17:00	2015	7	1	17	2,694
7/1/2015 18:00	2015	7	1	18	2,665
7/1/2015 19:00	2015	7	1	19	2,640
7/1/2015 20:00	2015	7	1	20	2,660
7/1/2015 21:00	2015	7	1	21	2,510
7/1/2015 22:00	2015	7	1	22	2,317

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7/1/2015 23:00	2015	7	1	23	2,178
7/2/2015 0:00	2015	7	2	0	2,056
7/2/2015 1:00	2015	7	2	1	2,019
7/2/2015 2:00	2015	7	2	2	1,919
7/2/2015 3:00	2015	7	2	3	1,937
7/2/2015 4:00	2015	7	2	4	2,035
7/2/2015 5:00	2015	7	2	5	2,160
7/2/2015 6:00	2015	7	2	6	2,279
7/2/2015 7:00	2015	7	2	7	2,347
7/2/2015 8:00	2015	7	2	8	2,471
7/2/2015 9:00	2015	7	2	9	2,565
7/2/2015 10:00	2015	7	2	10	2,626
7/2/2015 11:00	2015	7	2	11	2,668
7/2/2015 12:00	2015	7	2	12	2,745
7/2/2015 13:00	2015	7	2	13	2,819
7/2/2015 14:00	2015	7	2	14	2,814
7/2/2015 15:00	2015	7	2	15	2,777
7/2/2015 16:00	2015	7	2	16	2,820
7/2/2015 17:00	2015	7	2	17	2,780
7/2/2015 18:00	2015	7	2	18	2,718
7/2/2015 19:00	2015	7	2	19	2,639
7/2/2015 20:00	2015	7	2	20	2,629
7/2/2015 21:00	2015	7	2	21	2,551
7/2/2015 22:00	2015	7	2	22	2,305
7/2/2015 23:00	2015	7	2	23	2,101
7/3/2015 0:00	2015	7	3	0	2,008
7/3/2015 1:00	2015	7	3	1	1,922
7/3/2015 2:00	2015	7	3	2	1,869
7/3/2015 3:00	2015	7	3	3	1,853
7/3/2015 4:00	2015	7	3	4	1,862
7/3/2015 5:00	2015	7	3	5	1,942
7/3/2015 6:00	2015	7	3	6	1,936
7/3/2015 7:00	2015	7	3	7	2,057
7/3/2015 8:00	2015	7	3	8	2,170
7/3/2015 9:00	2015	7	3	9	2,280
7/3/2015 10:00	2015	7	3	10	2,347
7/3/2015 11:00	2015	7	3	11	2,439
7/3/2015 12:00	2015	7	3	12	2,506
7/3/2015 13:00	2015	7	3	13	2,582
7/3/2015 14:00	2015	7	3	14	2,560
7/3/2015 15:00	2015	7	3	15	2,533
7/3/2015 16:00	2015	7	3	16	2,465

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7/3/2015 17:00	2015	7	3	17	2,429
7/3/2015 18:00	2015	7	3	18	2,356
7/3/2015 19:00	2015	7	3	19	2,288
7/3/2015 20:00	2015	7	3	20	2,306
7/3/2015 21:00	2015	7	3	21	2,191
7/3/2015 22:00	2015	7	3	22	2,071
7/3/2015 23:00	2015	7	3	23	1,949
7/4/2015 0:00	2015	7	4	0	1,849
7/4/2015 1:00	2015	7	4	1	1,735
7/4/2015 2:00	2015	7	4	2	1,709
7/4/2015 3:00	2015	7	4	3	1,701
7/4/2015 4:00	2015	7	4	4	1,703
7/4/2015 5:00	2015	7	4	5	1,742
7/4/2015 6:00	2015	7	4	6	1,695
7/4/2015 7:00	2015	7	4	7	1,786
7/4/2015 8:00	2015	7	4	8	1,940
7/4/2015 9:00	2015	7	4	9	2,089
7/4/2015 10:00	2015	7	4	10	2,259
7/4/2015 11:00	2015	7	4	11	2,366
7/4/2015 12:00	2015	7	4	12	2,432
7/4/2015 13:00	2015	7	4	13	2,477
7/4/2015 14:00	2015	7	4	14	2,564
7/4/2015 15:00	2015	7	4	15	2,648
7/4/2015 16:00	2015	7	4	16	2,642
7/4/2015 17:00	2015	7	4	17	2,573
7/4/2015 18:00	2015	7	4	18	2,484
7/4/2015 19:00	2015	7	4	19	2,346
7/4/2015 20:00	2015	7	4	20	2,271
7/4/2015 21:00	2015	7	4	21	2,202
7/4/2015 22:00	2015	7	4	22	2,108
7/4/2015 23:00	2015	7	4	23	1,991
7/5/2015 0:00	2015	7	5	0	1,869
7/5/2015 1:00	2015	7	5	1	1,798
7/5/2015 2:00	2015	7	5	2	1,719
7/5/2015 3:00	2015	7	5	3	1,705
7/5/2015 4:00	2015	7	5	4	1,725
7/5/2015 5:00	2015	7	5	5	1,696
7/5/2015 6:00	2015	7	5	6	1,761
7/5/2015 7:00	2015	7	5	7	1,800
7/5/2015 8:00	2015	7	5	8	1,892
7/5/2015 9:00	2015	7	5	9	2,038
7/5/2015 10:00	2015	7	5	10	2,067

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7/5/2015 11:00	2015	7	5	11	2,226
7/5/2015 12:00	2015	7	5	12	2,269
7/5/2015 13:00	2015	7	5	13	2,307
7/5/2015 14:00	2015	7	5	14	2,351
7/5/2015 15:00	2015	7	5	15	2,431
7/5/2015 16:00	2015	7	5	16	2,516
7/5/2015 17:00	2015	7	5	17	2,548
7/5/2015 18:00	2015	7	5	18	2,540
7/5/2015 19:00	2015	7	5	19	2,463
7/5/2015 20:00	2015	7	5	20	2,451
7/5/2015 21:00	2015	7	5	21	2,312
7/5/2015 22:00	2015	7	5	22	2,134
7/5/2015 23:00	2015	7	5	23	1,976
7/6/2015 0:00	2015	7	6	0	1,916
7/6/2015 1:00	2015	7	6	1	1,865
7/6/2015 2:00	2015	7	6	2	1,838
7/6/2015 3:00	2015	7	6	3	1,838
7/6/2015 4:00	2015	7	6	4	1,925
7/6/2015 5:00	2015	7	6	5	2,046
7/6/2015 6:00	2015	7	6	6	2,240
7/6/2015 7:00	2015	7	6	7	2,426
7/6/2015 8:00	2015	7	6	8	2,608
7/6/2015 9:00	2015	7	6	9	2,776
7/6/2015 10:00	2015	7	6	10	2,952
7/6/2015 11:00	2015	7	6	11	3,134
7/6/2015 12:00	2015	7	6	12	3,252
7/6/2015 13:00	2015	7	6	13	3,369
7/6/2015 14:00	2015	7	6	14	3,384
7/6/2015 15:00	2015	7	6	15	3,409
7/6/2015 16:00	2015	7	6	16	3,448
7/6/2015 17:00	2015	7	6	17	3,432
7/6/2015 18:00	2015	7	6	18	3,347
7/6/2015 19:00	2015	7	6	19	3,212
7/6/2015 20:00	2015	7	6	20	3,119
7/6/2015 21:00	2015	7	6	21	2,902
7/6/2015 22:00	2015	7	6	22	2,661
7/6/2015 23:00	2015	7	6	23	2,467
7/7/2015 0:00	2015	7	7	0	2,245
7/7/2015 1:00	2015	7	7	1	2,144
7/7/2015 2:00	2015	7	7	2	2,067
7/7/2015 3:00	2015	7	7	3	2,061
7/7/2015 4:00	2015	7	7	4	2,133

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7/7/2015 5:00	2015	7	7	5	2,261
7/7/2015 6:00	2015	7	7	6	2,368
7/7/2015 7:00	2015	7	7	7	2,542
7/7/2015 8:00	2015	7	7	8	2,696
7/7/2015 9:00	2015	7	7	9	2,837
7/7/2015 10:00	2015	7	7	10	2,963
7/7/2015 11:00	2015	7	7	11	3,087
7/7/2015 12:00	2015	7	7	12	3,081
7/7/2015 13:00	2015	7	7	13	3,138
7/7/2015 14:00	2015	7	7	14	3,125
7/7/2015 15:00	2015	7	7	15	3,059
7/7/2015 16:00	2015	7	7	16	2,936
7/7/2015 17:00	2015	7	7	17	2,874
7/7/2015 18:00	2015	7	7	18	2,817
7/7/2015 19:00	2015	7	7	19	2,791
7/7/2015 20:00	2015	7	7	20	2,751
7/7/2015 21:00	2015	7	7	21	2,676
7/7/2015 22:00	2015	7	7	22	2,468
7/7/2015 23:00	2015	7	7	23	2,357
7/8/2015 0:00	2015	7	8	0	2,144
7/8/2015 1:00	2015	7	8	1	2,128
7/8/2015 2:00	2015	7	8	2	2,059
7/8/2015 3:00	2015	7	8	3	2,056
7/8/2015 4:00	2015	7	8	4	2,132
7/8/2015 5:00	2015	7	8	5	2,300
7/8/2015 6:00	2015	7	8	6	2,460
7/8/2015 7:00	2015	7	8	7	2,583
7/8/2015 8:00	2015	7	8	8	2,744
7/8/2015 9:00	2015	7	8	9	2,839
7/8/2015 10:00	2015	7	8	10	2,929
7/8/2015 11:00	2015	7	8	11	2,939
7/8/2015 12:00	2015	7	8	12	3,051
7/8/2015 13:00	2015	7	8	13	3,115
7/8/2015 14:00	2015	7	8	14	3,164
7/8/2015 15:00	2015	7	8	15	3,155
7/8/2015 16:00	2015	7	8	16	3,177
7/8/2015 17:00	2015	7	8	17	3,190
7/8/2015 18:00	2015	7	8	18	3,100
7/8/2015 19:00	2015	7	8	19	2,983
7/8/2015 20:00	2015	7	8	20	2,987
7/8/2015 21:00	2015	7	8	21	2,802
7/8/2015 22:00	2015	7	8	22	2,622

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7/8/2015 23:00	2015	7	8	23	2,461
7/9/2015 0:00	2015	7	9	0	2,282
7/9/2015 1:00	2015	7	9	1	2,167
7/9/2015 2:00	2015	7	9	2	2,138
7/9/2015 3:00	2015	7	9	3	2,122
7/9/2015 4:00	2015	7	9	4	2,217
7/9/2015 5:00	2015	7	9	5	2,329
7/9/2015 6:00	2015	7	9	6	2,484
7/9/2015 7:00	2015	7	9	7	2,686
7/9/2015 8:00	2015	7	9	8	2,777
7/9/2015 9:00	2015	7	9	9	2,894
7/9/2015 10:00	2015	7	9	10	2,982
7/9/2015 11:00	2015	7	9	11	3,035
7/9/2015 12:00	2015	7	9	12	3,107
7/9/2015 13:00	2015	7	9	13	3,266
7/9/2015 14:00	2015	7	9	14	3,323
7/9/2015 15:00	2015	7	9	15	3,338
7/9/2015 16:00	2015	7	9	16	3,321
7/9/2015 17:00	2015	7	9	17	3,318
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7/9/2015 19:00	2015	7	9	19	3,180
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7/9/2015 21:00	2015	7	9	21	2,938
7/9/2015 22:00	2015	7	9	22	2,691
7/9/2015 23:00	2015	7	9	23	2,463
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7/10/2015 1:00	2015	7	10	1	2,120
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7/11/2015 21:00	2015	7	11	21	2,546
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7/12/2015 10:00	2015	7	12	10	2,375



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7/12/2015 11:00	2015	7	12	11	2,591
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7/15/2015 22:00	2015	7	15	22	2,542

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7/15/2015 23:00	2015	7	15	23	2,325
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7/16/2015 18:00	2015	7	16	18	3,333
7/16/2015 19:00	2015	7	16	19	3,228
7/16/2015 20:00	2015	7	16	20	3,115
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7/17/2015 16:00	2015	7	17	16	3,708

7/17/2015 17:00	2015	7	17	17	3,573
7/17/2015 18:00	2015	7	17	18	3,472
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7/18/2015 19:00	2015	7	18	19	3,264
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7/19/2015 10:00	2015	7	19	10	3,044

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7/19/2015 11:00	2015	7	19	11	3,229
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7/20/2015 12:00	2015	7	20	12	3,595
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7/20/2015 15:00	2015	7	20	15	3,684
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7/20/2015 17:00	2015	7	20	17	3,605
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7/21/2015 4:00	2015	7	21	4	2,327

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7/21/2015 5:00	2015	7	21	5	2,489
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7/22/2015 22:00	2015	7	22	22	2,644

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7/22/2015 23:00	2015	7	22	23	2,378
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7/23/2015 15:00	2015	7	23	15	3,324
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7/23/2015 18:00	2015	7	23	18	3,209
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7/23/2015 22:00	2015	7	23	22	2,613
7/23/2015 23:00	2015	7	23	23	2,412
7/24/2015 0:00	2015	7	24	0	2,236
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7/24/2015 2:00	2015	7	24	2	2,027
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7/24/2015 4:00	2015	7	24	4	2,060
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7/24/2015 6:00	2015	7	24	6	2,277
7/24/2015 7:00	2015	7	24	7	2,481
7/24/2015 8:00	2015	7	24	8	2,686
7/24/2015 9:00	2015	7	24	9	2,945
7/24/2015 10:00	2015	7	24	10	3,039
7/24/2015 11:00	2015	7	24	11	3,221
7/24/2015 12:00	2015	7	24	12	3,315
7/24/2015 13:00	2015	7	24	13	3,369
7/24/2015 14:00	2015	7	24	14	3,464
7/24/2015 15:00	2015	7	24	15	3,497
7/24/2015 16:00	2015	7	24	16	3,511

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7/24/2015 17:00	2015	7	24	17	3,439
7/24/2015 18:00	2015	7	24	18	3,320
7/24/2015 19:00	2015	7	24	19	3,167
7/24/2015 20:00	2015	7	24	20	3,029
7/24/2015 21:00	2015	7	24	21	2,843
7/24/2015 22:00	2015	7	24	22	2,653
7/24/2015 23:00	2015	7	24	23	2,390
7/25/2015 0:00	2015	7	25	0	2,226
7/25/2015 1:00	2015	7	25	1	2,113
7/25/2015 2:00	2015	7	25	2	1,979
7/25/2015 3:00	2015	7	25	3	1,905
7/25/2015 4:00	2015	7	25	4	1,936
7/25/2015 5:00	2015	7	25	5	1,934
7/25/2015 6:00	2015	7	25	6	1,943
7/25/2015 7:00	2015	7	25	7	2,177
7/25/2015 8:00	2015	7	25	8	2,390
7/25/2015 9:00	2015	7	25	9	2,605
7/25/2015 10:00	2015	7	25	10	2,757
7/25/2015 11:00	2015	7	25	11	2,933
7/25/2015 12:00	2015	7	25	12	3,004
7/25/2015 13:00	2015	7	25	13	3,121
7/25/2015 14:00	2015	7	25	14	3,230
7/25/2015 15:00	2015	7	25	15	3,273
7/25/2015 16:00	2015	7	25	16	3,289
7/25/2015 17:00	2015	7	25	17	3,216
7/25/2015 18:00	2015	7	25	18	3,109
7/25/2015 19:00	2015	7	25	19	3,020
7/25/2015 20:00	2015	7	25	20	2,927
7/25/2015 21:00	2015	7	25	21	2,763
7/25/2015 22:00	2015	7	25	22	2,529
7/25/2015 23:00	2015	7	25	23	2,324
7/26/2015 0:00	2015	7	26	0	2,215
7/26/2015 1:00	2015	7	26	1	2,072
7/26/2015 2:00	2015	7	26	2	2,026
7/26/2015 3:00	2015	7	26	3	1,923
7/26/2015 4:00	2015	7	26	4	1,916
7/26/2015 5:00	2015	7	26	5	1,896
7/26/2015 6:00	2015	7	26	6	1,923
7/26/2015 7:00	2015	7	26	7	2,161
7/26/2015 8:00	2015	7	26	8	2,442
7/26/2015 9:00	2015	7	26	9	2,653
7/26/2015 10:00	2015	7	26	10	2,841



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7/26/2015 11:00	2015	7	26	11	2,992
7/26/2015 12:00	2015	7	26	12	3,083
7/26/2015 13:00	2015	7	26	13	3,192
7/26/2015 14:00	2015	7	26	14	3,260
7/26/2015 15:00	2015	7	26	15	3,279
7/26/2015 16:00	2015	7	26	16	3,291
7/26/2015 17:00	2015	7	26	17	3,302
7/26/2015 18:00	2015	7	26	18	3,212
7/26/2015 19:00	2015	7	26	19	3,166
7/26/2015 20:00	2015	7	26	20	3,019
7/26/2015 21:00	2015	7	26	21	2,914
7/26/2015 22:00	2015	7	26	22	2,745
7/26/2015 23:00	2015	7	26	23	2,498
7/27/2015 0:00	2015	7	27	0	2,327
7/27/2015 1:00	2015	7	27	1	2,274
7/27/2015 2:00	2015	7	27	2	2,164
7/27/2015 3:00	2015	7	27	3	2,227
7/27/2015 4:00	2015	7	27	4	2,315
7/27/2015 5:00	2015	7	27	5	2,463
7/27/2015 6:00	2015	7	27	6	2,572
7/27/2015 7:00	2015	7	27	7	2,762
7/27/2015 8:00	2015	7	27	8	2,951
7/27/2015 9:00	2015	7	27	9	3,122
7/27/2015 10:00	2015	7	27	10	3,341
7/27/2015 11:00	2015	7	27	11	3,539
7/27/2015 12:00	2015	7	27	12	3,566
7/27/2015 13:00	2015	7	27	13	3,578
7/27/2015 14:00	2015	7	27	14	3,705
7/27/2015 15:00	2015	7	27	15	3,753
7/27/2015 16:00	2015	7	27	16	3,827
7/27/2015 17:00	2015	7	27	17	3,707
7/27/2015 18:00	2015	7	27	18	3,623
7/27/2015 19:00	2015	7	27	19	3,470
7/27/2015 20:00	2015	7	27	20	3,414
7/27/2015 21:00	2015	7	27	21	3,188
7/27/2015 22:00	2015	7	27	22	2,957
7/27/2015 23:00	2015	7	27	23	2,714
7/28/2015 0:00	2015	7	28	0	2,525
7/28/2015 1:00	2015	7	28	1	2,400
7/28/2015 2:00	2015	7	28	2	2,298
7/28/2015 3:00	2015	7	28	3	2,265
7/28/2015 4:00	2015	7	28	4	2,337

7/28/2015 5:00	2015	7	28	5	2,498
7/28/2015 6:00	2015	7	28	6	2,642
7/28/2015 7:00	2015	7	28	7	2,854
7/28/2015 8:00	2015	7	28	8	3,123
7/28/2015 9:00	2015	7	28	9	3,324
7/28/2015 10:00	2015	7	28	10	3,568
7/28/2015 11:00	2015	7	28	11	3,725
7/28/2015 12:00	2015	7	28	12	3,807
7/28/2015 13:00	2015	7	28	13	3,865
7/28/2015 14:00	2015	7	28	14	3,793
7/28/2015 15:00	2015	7	28	15	3,702
7/28/2015 16:00	2015	7	28	16	3,589
7/28/2015 17:00	2015	7	28	17	3,487
7/28/2015 18:00	2015	7	28	18	3,367
7/28/2015 19:00	2015	7	28	19	3,263
7/28/2015 20:00	2015	7	28	20	3,188
7/28/2015 21:00	2015	7	28	21	3,011
7/28/2015 22:00	2015	7	28	22	2,789
7/28/2015 23:00	2015	7	28	23	2,594
7/29/2015 0:00	2015	7	29	0	2,394
7/29/2015 1:00	2015	7	29	1	2,289
7/29/2015 2:00	2015	7	29	2	2,217
7/29/2015 3:00	2015	7	29	3	2,172
7/29/2015 4:00	2015	7	29	4	2,245
7/29/2015 5:00	2015	7	29	5	2,415
7/29/2015 6:00	2015	7	29	6	2,561
7/29/2015 7:00	2015	7	29	7	2,747
7/29/2015 8:00	2015	7	29	8	2,914
7/29/2015 9:00	2015	7	29	9	3,168
7/29/2015 10:00	2015	7	29	10	3,389
7/29/2015 11:00	2015	7	29	11	3,597
7/29/2015 12:00	2015	7	29	12	3,736
7/29/2015 13:00	2015	7	29	13	3,805
7/29/2015 14:00	2015	7	29	14	3,807
7/29/2015 15:00	2015	7	29	15	3,776
7/29/2015 16:00	2015	7	29	16	3,672
7/29/2015 17:00	2015	7	29	17	3,629
7/29/2015 18:00	2015	7	29	18	3,472
7/29/2015 19:00	2015	7	29	19	3,331
7/29/2015 20:00	2015	7	29	20	3,224
7/29/2015 21:00	2015	7	29	21	2,976
7/29/2015 22:00	2015	7	29	22	2,813

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7/29/2015 23:00	2015	7	29	23	2,567
7/30/2015 0:00	2015	7	30	0	2,392
7/30/2015 1:00	2015	7	30	1	2,300
7/30/2015 2:00	2015	7	30	2	2,183
7/30/2015 3:00	2015	7	30	3	2,146
7/30/2015 4:00	2015	7	30	4	2,203
7/30/2015 5:00	2015	7	30	5	2,328
7/30/2015 6:00	2015	7	30	6	2,444
7/30/2015 7:00	2015	7	30	7	2,651
7/30/2015 8:00	2015	7	30	8	2,850
7/30/2015 9:00	2015	7	30	9	3,037
7/30/2015 10:00	2015	7	30	10	3,197
7/30/2015 11:00	2015	7	30	11	3,318
7/30/2015 12:00	2015	7	30	12	3,416
7/30/2015 13:00	2015	7	30	13	3,510
7/30/2015 14:00	2015	7	30	14	3,549
7/30/2015 15:00	2015	7	30	15	3,572
7/30/2015 16:00	2015	7	30	16	3,574
7/30/2015 17:00	2015	7	30	17	3,514
7/30/2015 18:00	2015	7	30	18	3,380
7/30/2015 19:00	2015	7	30	19	3,158
7/30/2015 20:00	2015	7	30	20	3,027
7/30/2015 21:00	2015	7	30	21	2,857
7/30/2015 22:00	2015	7	30	22	2,540
7/30/2015 23:00	2015	7	30	23	2,331
7/31/2015 0:00	2015	7	31	0	2,123
7/31/2015 1:00	2015	7	31	1	2,022
7/31/2015 2:00	2015	7	31	2	1,921
7/31/2015 3:00	2015	7	31	3	1,887
7/31/2015 4:00	2015	7	31	4	1,953
7/31/2015 5:00	2015	7	31	5	2,082
7/31/2015 6:00	2015	7	31	6	2,217
7/31/2015 7:00	2015	7	31	7	2,412
7/31/2015 8:00	2015	7	31	8	2,607
7/31/2015 9:00	2015	7	31	9	2,825
7/31/2015 10:00	2015	7	31	10	2,988
7/31/2015 11:00	2015	7	31	11	3,156
7/31/2015 12:00	2015	7	31	12	3,272
7/31/2015 13:00	2015	7	31	13	3,384
7/31/2015 14:00	2015	7	31	14	3,415
7/31/2015 15:00	2015	7	31	15	3,418
7/31/2015 16:00	2015	7	31	16	3,425

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7/31/2015 17:00	2015	7	31	17	3,453
7/31/2015 18:00	2015	7	31	18	3,329
7/31/2015 19:00	2015	7	31	19	3,179
7/31/2015 20:00	2015	7	31	20	3,048
7/31/2015 21:00	2015	7	31	21	2,837
7/31/2015 22:00	2015	7	31	22	2,612
7/31/2015 23:00	2015	7	31	23	2,372
8/1/2015 0:00	2015	8	1	0	2,187
8/1/2015 1:00	2015	8	1	1	2,080
8/1/2015 2:00	2015	8	1	2	1,958
8/1/2015 3:00	2015	8	1	3	1,913
8/1/2015 4:00	2015	8	1	4	1,893
8/1/2015 5:00	2015	8	1	5	1,915
8/1/2015 6:00	2015	8	1	6	1,976
8/1/2015 7:00	2015	8	1	7	2,113
8/1/2015 8:00	2015	8	1	8	2,345
8/1/2015 9:00	2015	8	1	9	2,535
8/1/2015 10:00	2015	8	1	10	2,758
8/1/2015 11:00	2015	8	1	11	2,868
8/1/2015 12:00	2015	8	1	12	2,939
8/1/2015 13:00	2015	8	1	13	3,035
8/1/2015 14:00	2015	8	1	14	3,107
8/1/2015 15:00	2015	8	1	15	3,152
8/1/2015 16:00	2015	8	1	16	3,155
8/1/2015 17:00	2015	8	1	17	3,133
8/1/2015 18:00	2015	8	1	18	2,981
8/1/2015 19:00	2015	8	1	19	2,853
8/1/2015 20:00	2015	8	1	20	2,734
8/1/2015 21:00	2015	8	1	21	2,547
8/1/2015 22:00	2015	8	1	22	2,340
8/1/2015 23:00	2015	8	1	23	2,103
8/2/2015 0:00	2015	8	2	0	1,904
8/2/2015 1:00	2015	8	2	1	1,820
8/2/2015 2:00	2015	8	2	2	1,801
8/2/2015 3:00	2015	8	2	3	1,771
8/2/2015 4:00	2015	8	2	4	1,728
8/2/2015 5:00	2015	8	2	5	1,766
8/2/2015 6:00	2015	8	2	6	1,758
8/2/2015 7:00	2015	8	2	7	1,918
8/2/2015 8:00	2015	8	2	8	2,062
8/2/2015 9:00	2015	8	2	9	2,326
8/2/2015 10:00	2015	8	2	10	2,508

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8/2/2015 11:00	2015	8	2	11	2,634
8/2/2015 12:00	2015	8	2	12	2,822
8/2/2015 13:00	2015	8	2	13	2,931
8/2/2015 14:00	2015	8	2	14	3,010
8/2/2015 15:00	2015	8	2	15	3,119
8/2/2015 16:00	2015	8	2	16	3,184
8/2/2015 17:00	2015	8	2	17	3,159
8/2/2015 18:00	2015	8	2	18	3,044
8/2/2015 19:00	2015	8	2	19	2,955
8/2/2015 20:00	2015	8	2	20	2,870
8/2/2015 21:00	2015	8	2	21	2,615
8/2/2015 22:00	2015	8	2	22	2,434
8/2/2015 23:00	2015	8	2	23	2,174
8/3/2015 0:00	2015	8	3	0	2,068
8/3/2015 1:00	2015	8	3	1	1,965
8/3/2015 2:00	2015	8	3	2	1,919
8/3/2015 3:00	2015	8	3	3	1,944
8/3/2015 4:00	2015	8	3	4	2,007
8/3/2015 5:00	2015	8	3	5	2,202
8/3/2015 6:00	2015	8	3	6	2,315
8/3/2015 7:00	2015	8	3	7	2,482
8/3/2015 8:00	2015	8	3	8	2,630
8/3/2015 9:00	2015	8	3	9	2,834
8/3/2015 10:00	2015	8	3	10	3,022
8/3/2015 11:00	2015	8	3	11	3,194
8/3/2015 12:00	2015	8	3	12	3,364
8/3/2015 13:00	2015	8	3	13	3,496
8/3/2015 14:00	2015	8	3	14	3,631
8/3/2015 15:00	2015	8	3	15	3,692
8/3/2015 16:00	2015	8	3	16	3,724
8/3/2015 17:00	2015	8	3	17	3,667
8/3/2015 18:00	2015	8	3	18	3,564
8/3/2015 19:00	2015	8	3	19	3,486
8/3/2015 20:00	2015	8	3	20	3,384
8/3/2015 21:00	2015	8	3	21	3,112
8/3/2015 22:00	2015	8	3	22	2,879
8/3/2015 23:00	2015	8	3	23	2,602
8/4/2015 0:00	2015	8	4	0	2,439
8/4/2015 1:00	2015	8	4	1	2,305
8/4/2015 2:00	2015	8	4	2	2,172
8/4/2015 3:00	2015	8	4	3	2,123
8/4/2015 4:00	2015	8	4	4	2,222

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8/4/2015 5:00	2015	8	4	5	2,364
8/4/2015 6:00	2015	8	4	6	2,491
8/4/2015 7:00	2015	8	4	7	2,722
8/4/2015 8:00	2015	8	4	8	2,958
8/4/2015 9:00	2015	8	4	9	3,125
8/4/2015 10:00	2015	8	4	10	3,353
8/4/2015 11:00	2015	8	4	11	3,422
8/4/2015 12:00	2015	8	4	12	3,585
8/4/2015 13:00	2015	8	4	13	3,698
8/4/2015 14:00	2015	8	4	14	3,785
8/4/2015 15:00	2015	8	4	15	3,702
8/4/2015 16:00	2015	8	4	16	3,546
8/4/2015 17:00	2015	8	4	17	3,377
8/4/2015 18:00	2015	8	4	18	3,258
8/4/2015 19:00	2015	8	4	19	3,147
8/4/2015 20:00	2015	8	4	20	3,001
8/4/2015 21:00	2015	8	4	21	2,777
8/4/2015 22:00	2015	8	4	22	2,575
8/4/2015 23:00	2015	8	4	23	2,350
8/5/2015 0:00	2015	8	5	0	2,252
8/5/2015 1:00	2015	8	5	1	2,081
8/5/2015 2:00	2015	8	5	2	2,047
8/5/2015 3:00	2015	8	5	3	2,036
8/5/2015 4:00	2015	8	5	4	2,118
8/5/2015 5:00	2015	8	5	5	2,249
8/5/2015 6:00	2015	8	5	6	2,437
8/5/2015 7:00	2015	8	5	7	2,582
8/5/2015 8:00	2015	8	5	8	2,792
8/5/2015 9:00	2015	8	5	9	2,976
8/5/2015 10:00	2015	8	5	10	3,160
8/5/2015 11:00	2015	8	5	11	3,327
8/5/2015 12:00	2015	8	5	12	3,457
8/5/2015 13:00	2015	8	5	13	3,516
8/5/2015 14:00	2015	8	5	14	3,556
8/5/2015 15:00	2015	8	5	15	3,488
8/5/2015 16:00	2015	8	5	16	3,326
8/5/2015 17:00	2015	8	5	17	3,196
8/5/2015 18:00	2015	8	5	18	3,034
8/5/2015 19:00	2015	8	5	19	2,982
8/5/2015 20:00	2015	8	5	20	2,957
8/5/2015 21:00	2015	8	5	21	2,749
8/5/2015 22:00	2015	8	5	22	2,543

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8/5/2015 23:00	2015	8	5	23	2,364
8/6/2015 0:00	2015	8	6	0	2,213
8/6/2015 1:00	2015	8	6	1	2,120
8/6/2015 2:00	2015	8	6	2	2,030
8/6/2015 3:00	2015	8	6	3	2,076
8/6/2015 4:00	2015	8	6	4	2,110
8/6/2015 5:00	2015	8	6	5	2,249
8/6/2015 6:00	2015	8	6	6	2,411
8/6/2015 7:00	2015	8	6	7	2,527
8/6/2015 8:00	2015	8	6	8	2,688
8/6/2015 9:00	2015	8	6	9	2,777
8/6/2015 10:00	2015	8	6	10	2,726
8/6/2015 11:00	2015	8	6	11	2,864
8/6/2015 12:00	2015	8	6	12	2,903
8/6/2015 13:00	2015	8	6	13	2,894
8/6/2015 14:00	2015	8	6	14	2,912
8/6/2015 15:00	2015	8	6	15	2,874
8/6/2015 16:00	2015	8	6	16	2,855
8/6/2015 17:00	2015	8	6	17	2,869
8/6/2015 18:00	2015	8	6	18	2,756
8/6/2015 19:00	2015	8	6	19	2,782
8/6/2015 20:00	2015	8	6	20	2,721
8/6/2015 21:00	2015	8	6	21	2,617
8/6/2015 22:00	2015	8	6	22	2,423
8/6/2015 23:00	2015	8	6	23	2,260
8/7/2015 0:00	2015	8	7	0	2,119
8/7/2015 1:00	2015	8	7	1	2,034
8/7/2015 2:00	2015	8	7	2	1,981
8/7/2015 3:00	2015	8	7	3	1,922
8/7/2015 4:00	2015	8	7	4	1,984
8/7/2015 5:00	2015	8	7	5	2,243
8/7/2015 6:00	2015	8	7	6	2,369
8/7/2015 7:00	2015	8	7	7	2,473
8/7/2015 8:00	2015	8	7	8	2,547
8/7/2015 9:00	2015	8	7	9	2,607
8/7/2015 10:00	2015	8	7	10	2,706
8/7/2015 11:00	2015	8	7	11	2,800
8/7/2015 12:00	2015	8	7	12	2,778
8/7/2015 13:00	2015	8	7	13	2,843
8/7/2015 14:00	2015	8	7	14	2,905
8/7/2015 15:00	2015	8	7	15	2,900
8/7/2015 16:00	2015	8	7	16	2,951

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8/7/2015 17:00	2015	8	7	17	2,877
8/7/2015 18:00	2015	8	7	18	2,786
8/7/2015 19:00	2015	8	7	19	2,665
8/7/2015 20:00	2015	8	7	20	2,719
8/7/2015 21:00	2015	8	7	21	2,579
8/7/2015 22:00	2015	8	7	22	2,366
8/7/2015 23:00	2015	8	7	23	2,179
8/8/2015 0:00	2015	8	8	0	2,088
8/8/2015 1:00	2015	8	8	1	1,958
8/8/2015 2:00	2015	8	8	2	1,911
8/8/2015 3:00	2015	8	8	3	1,811
8/8/2015 4:00	2015	8	8	4	1,844
8/8/2015 5:00	2015	8	8	5	1,869
8/8/2015 6:00	2015	8	8	6	1,926
8/8/2015 7:00	2015	8	8	7	2,020
8/8/2015 8:00	2015	8	8	8	2,217
8/8/2015 9:00	2015	8	8	9	2,398
8/8/2015 10:00	2015	8	8	10	2,549
8/8/2015 11:00	2015	8	8	11	2,674
8/8/2015 12:00	2015	8	8	12	2,806
8/8/2015 13:00	2015	8	8	13	2,893
8/8/2015 14:00	2015	8	8	14	2,949
8/8/2015 15:00	2015	8	8	15	3,016
8/8/2015 16:00	2015	8	8	16	3,007
8/8/2015 17:00	2015	8	8	17	3,009
8/8/2015 18:00	2015	8	8	18	2,874
8/8/2015 19:00	2015	8	8	19	2,772
8/8/2015 20:00	2015	8	8	20	2,758
8/8/2015 21:00	2015	8	8	21	2,545
8/8/2015 22:00	2015	8	8	22	2,327
8/8/2015 23:00	2015	8	8	23	2,177
8/9/2015 0:00	2015	8	9	0	1,973
8/9/2015 1:00	2015	8	9	1	1,848
8/9/2015 2:00	2015	8	9	2	1,770
8/9/2015 3:00	2015	8	9	3	1,783
8/9/2015 4:00	2015	8	9	4	1,779
8/9/2015 5:00	2015	8	9	5	1,740
8/9/2015 6:00	2015	8	9	6	1,829
8/9/2015 7:00	2015	8	9	7	2,012
8/9/2015 8:00	2015	8	9	8	2,227
8/9/2015 9:00	2015	8	9	9	2,489
8/9/2015 10:00	2015	8	9	10	2,580



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8/9/2015 11:00	2015	8	9	11	2,766
8/9/2015 12:00	2015	8	9	12	2,825
8/9/2015 13:00	2015	8	9	13	2,910
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8/9/2015 15:00	2015	8	9	15	3,107
8/9/2015 16:00	2015	8	9	16	3,119
8/9/2015 17:00	2015	8	9	17	3,112
8/9/2015 18:00	2015	8	9	18	3,011
8/9/2015 19:00	2015	8	9	19	2,964
8/9/2015 20:00	2015	8	9	20	2,868
8/9/2015 21:00	2015	8	9	21	2,742
8/9/2015 22:00	2015	8	9	22	2,535
8/9/2015 23:00	2015	8	9	23	2,319
8/10/2015 0:00	2015	8	10	0	2,168
8/10/2015 1:00	2015	8	10	1	2,162
8/10/2015 2:00	2015	8	10	2	2,136
8/10/2015 3:00	2015	8	10	3	2,079
8/10/2015 4:00	2015	8	10	4	2,244
8/10/2015 5:00	2015	8	10	5	2,394
8/10/2015 6:00	2015	8	10	6	2,540
8/10/2015 7:00	2015	8	10	7	2,760
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8/10/2015 9:00	2015	8	10	9	3,001
8/10/2015 10:00	2015	8	10	10	3,240
8/10/2015 11:00	2015	8	10	11	3,307
8/10/2015 12:00	2015	8	10	12	3,350
8/10/2015 13:00	2015	8	10	13	3,357
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8/10/2015 17:00	2015	8	10	17	3,327
8/10/2015 18:00	2015	8	10	18	3,252
8/10/2015 19:00	2015	8	10	19	3,197
8/10/2015 20:00	2015	8	10	20	3,184
8/10/2015 21:00	2015	8	10	21	2,932
8/10/2015 22:00	2015	8	10	22	2,683
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8/11/2015 1:00	2015	8	11	1	2,215
8/11/2015 2:00	2015	8	11	2	2,107
8/11/2015 3:00	2015	8	11	3	2,114
8/11/2015 4:00	2015	8	11	4	2,187

8/11/2015 5:00	2015	8	11	5	2,336
8/11/2015 6:00	2015	8	11	6	2,544
8/11/2015 7:00	2015	8	11	7	2,688
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8/11/2015 9:00	2015	8	11	9	2,971
8/11/2015 10:00	2015	8	11	10	3,090
8/11/2015 11:00	2015	8	11	11	3,288
8/11/2015 12:00	2015	8	11	12	3,407
8/11/2015 13:00	2015	8	11	13	3,481
8/11/2015 14:00	2015	8	11	14	3,528
8/11/2015 15:00	2015	8	11	15	3,551
8/11/2015 16:00	2015	8	11	16	3,494
8/11/2015 17:00	2015	8	11	17	3,355
8/11/2015 18:00	2015	8	11	18	3,310
8/11/2015 19:00	2015	8	11	19	3,214
8/11/2015 20:00	2015	8	11	20	3,128
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8/11/2015 22:00	2015	8	11	22	2,556
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8/12/2015 5:00	2015	8	12	5	2,280
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8/12/2015 7:00	2015	8	12	7	2,569
8/12/2015 8:00	2015	8	12	8	2,702
8/12/2015 9:00	2015	8	12	9	2,830
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8/12/2015 11:00	2015	8	12	11	3,104
8/12/2015 12:00	2015	8	12	12	3,209
8/12/2015 13:00	2015	8	12	13	3,257
8/12/2015 14:00	2015	8	12	14	3,330
8/12/2015 15:00	2015	8	12	15	3,320
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8/12/2015 17:00	2015	8	12	17	3,274
8/12/2015 18:00	2015	8	12	18	3,152
8/12/2015 19:00	2015	8	12	19	3,002
8/12/2015 20:00	2015	8	12	20	2,939
8/12/2015 21:00	2015	8	12	21	2,669
8/12/2015 22:00	2015	8	12	22	2,424

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8/12/2015 23:00	2015	8	12	23	2,208
8/13/2015 0:00	2015	8	13	0	2,037
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8/13/2015 5:00	2015	8	13	5	2,195
8/13/2015 6:00	2015	8	13	6	2,291
8/13/2015 7:00	2015	8	13	7	2,394
8/13/2015 8:00	2015	8	13	8	2,561
8/13/2015 9:00	2015	8	13	9	2,696
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8/13/2015 11:00	2015	8	13	11	2,921
8/13/2015 12:00	2015	8	13	12	3,001
8/13/2015 13:00	2015	8	13	13	3,078
8/13/2015 14:00	2015	8	13	14	3,213
8/13/2015 15:00	2015	8	13	15	3,261
8/13/2015 16:00	2015	8	13	16	3,264
8/13/2015 17:00	2015	8	13	17	3,205
8/13/2015 18:00	2015	8	13	18	3,052
8/13/2015 19:00	2015	8	13	19	2,917
8/13/2015 20:00	2015	8	13	20	2,831
8/13/2015 21:00	2015	8	13	21	2,690
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8/13/2015 23:00	2015	8	13	23	2,214
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8/14/2015 3:00	2015	8	14	3	1,856
8/14/2015 4:00	2015	8	14	4	1,971
8/14/2015 5:00	2015	8	14	5	2,154
8/14/2015 6:00	2015	8	14	6	2,297
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8/14/2015 10:00	2015	8	14	10	2,833
8/14/2015 11:00	2015	8	14	11	2,966
8/14/2015 12:00	2015	8	14	12	3,075
8/14/2015 13:00	2015	8	14	13	3,119
8/14/2015 14:00	2015	8	14	14	3,200
8/14/2015 15:00	2015	8	14	15	3,233
8/14/2015 16:00	2015	8	14	16	3,229

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8/14/2015 17:00	2015	8	14	17	3,173
8/14/2015 18:00	2015	8	14	18	3,065
8/14/2015 19:00	2015	8	14	19	2,928
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8/14/2015 21:00	2015	8	14	21	2,634
8/14/2015 22:00	2015	8	14	22	2,428
8/14/2015 23:00	2015	8	14	23	2,188
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8/15/2015 2:00	2015	8	15	2	1,864
8/15/2015 3:00	2015	8	15	3	1,798
8/15/2015 4:00	2015	8	15	4	1,793
8/15/2015 5:00	2015	8	15	5	1,867
8/15/2015 6:00	2015	8	15	6	1,892
8/15/2015 7:00	2015	8	15	7	2,019
8/15/2015 8:00	2015	8	15	8	2,259
8/15/2015 9:00	2015	8	15	9	2,443
8/15/2015 10:00	2015	8	15	10	2,606
8/15/2015 11:00	2015	8	15	11	2,783
8/15/2015 12:00	2015	8	15	12	2,918
8/15/2015 13:00	2015	8	15	13	3,007
8/15/2015 14:00	2015	8	15	14	3,118
8/15/2015 15:00	2015	8	15	15	3,184
8/15/2015 16:00	2015	8	15	16	3,165
8/15/2015 17:00	2015	8	15	17	3,091
8/15/2015 18:00	2015	8	15	18	2,966
8/15/2015 19:00	2015	8	15	19	2,847
8/15/2015 20:00	2015	8	15	20	2,758
8/15/2015 21:00	2015	8	15	21	2,562
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8/16/2015 0:00	2015	8	16	0	1,981
8/16/2015 1:00	2015	8	16	1	1,922
8/16/2015 2:00	2015	8	16	2	1,830
8/16/2015 3:00	2015	8	16	3	1,838
8/16/2015 4:00	2015	8	16	4	1,822
8/16/2015 5:00	2015	8	16	5	1,818
8/16/2015 6:00	2015	8	16	6	1,780
8/16/2015 7:00	2015	8	16	7	2,005
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8/16/2015 9:00	2015	8	16	9	2,443
8/16/2015 10:00	2015	8	16	10	2,650

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8/16/2015 11:00	2015	8	16	11	2,858
8/16/2015 12:00	2015	8	16	12	3,011
8/16/2015 13:00	2015	8	16	13	3,056
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8/16/2015 15:00	2015	8	16	15	3,213
8/16/2015 16:00	2015	8	16	16	3,231
8/16/2015 17:00	2015	8	16	17	3,173
8/16/2015 18:00	2015	8	16	18	3,119
8/16/2015 19:00	2015	8	16	19	3,051
8/16/2015 20:00	2015	8	16	20	2,960
8/16/2015 21:00	2015	8	16	21	2,742
8/16/2015 22:00	2015	8	16	22	2,506
8/16/2015 23:00	2015	8	16	23	2,323
8/17/2015 0:00	2015	8	17	0	2,136
8/17/2015 1:00	2015	8	17	1	2,102
8/17/2015 2:00	2015	8	17	2	2,002
8/17/2015 3:00	2015	8	17	3	2,046
8/17/2015 4:00	2015	8	17	4	2,110
8/17/2015 5:00	2015	8	17	5	2,382
8/17/2015 6:00	2015	8	17	6	2,576
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8/17/2015 8:00	2015	8	17	8	2,776
8/17/2015 9:00	2015	8	17	9	2,905
8/17/2015 10:00	2015	8	17	10	2,961
8/17/2015 11:00	2015	8	17	11	3,101
8/17/2015 12:00	2015	8	17	12	3,123
8/17/2015 13:00	2015	8	17	13	3,121
8/17/2015 14:00	2015	8	17	14	3,045
8/17/2015 15:00	2015	8	17	15	3,083
8/17/2015 16:00	2015	8	17	16	3,018
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8/17/2015 19:00	2015	8	17	19	2,930
8/17/2015 20:00	2015	8	17	20	2,905
8/17/2015 21:00	2015	8	17	21	2,658
8/17/2015 22:00	2015	8	17	22	2,486
8/17/2015 23:00	2015	8	17	23	2,313
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8/18/2015 3:00	2015	8	18	3	2,007
8/18/2015 4:00	2015	8	18	4	2,162

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8/18/2015 5:00	2015	8	18	5	2,309
8/18/2015 6:00	2015	8	18	6	2,529
8/18/2015 7:00	2015	8	18	7	2,652
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8/18/2015 9:00	2015	8	18	9	2,866
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8/18/2015 13:00	2015	8	18	13	3,355
8/18/2015 14:00	2015	8	18	14	3,397
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8/18/2015 17:00	2015	8	18	17	3,519
8/18/2015 18:00	2015	8	18	18	3,416
8/18/2015 19:00	2015	8	18	19	3,363
8/18/2015 20:00	2015	8	18	20	3,247
8/18/2015 21:00	2015	8	18	21	2,987
8/18/2015 22:00	2015	8	18	22	2,714
8/18/2015 23:00	2015	8	18	23	2,537
8/19/2015 0:00	2015	8	19	0	2,369
8/19/2015 1:00	2015	8	19	1	2,249
8/19/2015 2:00	2015	8	19	2	2,183
8/19/2015 3:00	2015	8	19	3	2,097
8/19/2015 4:00	2015	8	19	4	2,231
8/19/2015 5:00	2015	8	19	5	2,486
8/19/2015 6:00	2015	8	19	6	2,639
8/19/2015 7:00	2015	8	19	7	2,781
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8/19/2015 9:00	2015	8	19	9	3,017
8/19/2015 10:00	2015	8	19	10	3,180
8/19/2015 11:00	2015	8	19	11	3,229
8/19/2015 12:00	2015	8	19	12	3,370
8/19/2015 13:00	2015	8	19	13	3,372
8/19/2015 14:00	2015	8	19	14	3,474
8/19/2015 15:00	2015	8	19	15	3,504
8/19/2015 16:00	2015	8	19	16	3,532
8/19/2015 17:00	2015	8	19	17	3,419
8/19/2015 18:00	2015	8	19	18	3,269
8/19/2015 19:00	2015	8	19	19	3,225
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8/19/2015 21:00	2015	8	19	21	2,889
8/19/2015 22:00	2015	8	19	22	2,629

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8/19/2015 23:00	2015	8	19	23	2,481
8/20/2015 0:00	2015	8	20	0	2,311
8/20/2015 1:00	2015	8	20	1	2,159
8/20/2015 2:00	2015	8	20	2	2,183
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8/20/2015 4:00	2015	8	20	4	2,224
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8/20/2015 8:00	2015	8	20	8	2,716
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8/20/2015 10:00	2015	8	20	10	2,872
8/20/2015 11:00	2015	8	20	11	2,953
8/20/2015 12:00	2015	8	20	12	3,056
8/20/2015 13:00	2015	8	20	13	3,076
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8/20/2015 15:00	2015	8	20	15	3,122
8/20/2015 16:00	2015	8	20	16	3,108
8/20/2015 17:00	2015	8	20	17	3,054
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8/21/2015 2:00	2015	8	21	2	1,834
8/21/2015 3:00	2015	8	21	3	1,815
8/21/2015 4:00	2015	8	21	4	1,885
8/21/2015 5:00	2015	8	21	5	2,098
8/21/2015 6:00	2015	8	21	6	2,201
8/21/2015 7:00	2015	8	21	7	2,343
8/21/2015 8:00	2015	8	21	8	2,472
8/21/2015 9:00	2015	8	21	9	2,597
8/21/2015 10:00	2015	8	21	10	2,694
8/21/2015 11:00	2015	8	21	11	2,789
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8/21/2015 15:00	2015	8	21	15	3,024
8/21/2015 16:00	2015	8	21	16	3,020

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8/21/2015 17:00	2015	8	21	17	2,983
8/21/2015 18:00	2015	8	21	18	2,840
8/21/2015 19:00	2015	8	21	19	2,718
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8/21/2015 21:00	2015	8	21	21	2,423
8/21/2015 22:00	2015	8	21	22	2,233
8/21/2015 23:00	2015	8	21	23	2,046
8/22/2015 0:00	2015	8	22	0	1,896
8/22/2015 1:00	2015	8	22	1	1,811
8/22/2015 2:00	2015	8	22	2	1,714
8/22/2015 3:00	2015	8	22	3	1,691
8/22/2015 4:00	2015	8	22	4	1,720
8/22/2015 5:00	2015	8	22	5	1,735
8/22/2015 6:00	2015	8	22	6	1,772
8/22/2015 7:00	2015	8	22	7	1,893
8/22/2015 8:00	2015	8	22	8	2,061
8/22/2015 9:00	2015	8	22	9	2,224
8/22/2015 10:00	2015	8	22	10	2,370
8/22/2015 11:00	2015	8	22	11	2,501
8/22/2015 12:00	2015	8	22	12	2,617
8/22/2015 13:00	2015	8	22	13	2,730
8/22/2015 14:00	2015	8	22	14	2,836
8/22/2015 15:00	2015	8	22	15	2,915
8/22/2015 16:00	2015	8	22	16	2,933
8/22/2015 17:00	2015	8	22	17	2,884
8/22/2015 18:00	2015	8	22	18	2,752
8/22/2015 19:00	2015	8	22	19	2,664
8/22/2015 20:00	2015	8	22	20	2,592
8/22/2015 21:00	2015	8	22	21	2,409
8/22/2015 22:00	2015	8	22	22	2,214
8/22/2015 23:00	2015	8	22	23	2,045
8/23/2015 0:00	2015	8	23	0	1,912
8/23/2015 1:00	2015	8	23	1	1,848
8/23/2015 2:00	2015	8	23	2	1,807
8/23/2015 3:00	2015	8	23	3	1,765
8/23/2015 4:00	2015	8	23	4	1,771
8/23/2015 5:00	2015	8	23	5	1,802
8/23/2015 6:00	2015	8	23	6	1,799
8/23/2015 7:00	2015	8	23	7	1,940
8/23/2015 8:00	2015	8	23	8	2,114
8/23/2015 9:00	2015	8	23	9	2,311
8/23/2015 10:00	2015	8	23	10	2,498



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8/23/2015 11:00	2015	8	23	11	2,690
8/23/2015 12:00	2015	8	23	12	2,841
8/23/2015 13:00	2015	8	23	13	2,943
8/23/2015 14:00	2015	8	23	14	3,031
8/23/2015 15:00	2015	8	23	15	3,092
8/23/2015 16:00	2015	8	23	16	3,148
8/23/2015 17:00	2015	8	23	17	3,126
8/23/2015 18:00	2015	8	23	18	3,029
8/23/2015 19:00	2015	8	23	19	2,967
8/23/2015 20:00	2015	8	23	20	2,849
8/23/2015 21:00	2015	8	23	21	2,639
8/23/2015 22:00	2015	8	23	22	2,425
8/23/2015 23:00	2015	8	23	23	2,242
8/24/2015 0:00	2015	8	24	0	2,114
8/24/2015 1:00	2015	8	24	1	2,031
8/24/2015 2:00	2015	8	24	2	1,959
8/24/2015 3:00	2015	8	24	3	1,928
8/24/2015 4:00	2015	8	24	4	2,008
8/24/2015 5:00	2015	8	24	5	2,212
8/24/2015 6:00	2015	8	24	6	2,331
8/24/2015 7:00	2015	8	24	7	2,452
8/24/2015 8:00	2015	8	24	8	2,606
8/24/2015 9:00	2015	8	24	9	2,725
8/24/2015 10:00	2015	8	24	10	2,841
8/24/2015 11:00	2015	8	24	11	2,945
8/24/2015 12:00	2015	8	24	12	3,012
8/24/2015 13:00	2015	8	24	13	3,076
8/24/2015 14:00	2015	8	24	14	3,117
8/24/2015 15:00	2015	8	24	15	3,139
8/24/2015 16:00	2015	8	24	16	3,131
8/24/2015 17:00	2015	8	24	17	3,067
8/24/2015 18:00	2015	8	24	18	2,917
8/24/2015 19:00	2015	8	24	19	2,822
8/24/2015 20:00	2015	8	24	20	2,700
8/24/2015 21:00	2015	8	24	21	2,455
8/24/2015 22:00	2015	8	24	22	2,222
8/24/2015 23:00	2015	8	24	23	2,045
8/25/2015 0:00	2015	8	25	0	1,893
8/25/2015 1:00	2015	8	25	1	1,824
8/25/2015 2:00	2015	8	25	2	1,747
8/25/2015 3:00	2015	8	25	3	1,755
8/25/2015 4:00	2015	8	25	4	1,846

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8/25/2015 5:00	2015	8	25	5	2,070
8/25/2015 6:00	2015	8	25	6	2,202
8/25/2015 7:00	2015	8	25	7	2,295
8/25/2015 8:00	2015	8	25	8	2,413
8/25/2015 9:00	2015	8	25	9	2,503
8/25/2015 10:00	2015	8	25	10	2,598
8/25/2015 11:00	2015	8	25	11	2,658
8/25/2015 12:00	2015	8	25	12	2,736
8/25/2015 13:00	2015	8	25	13	2,779
8/25/2015 14:00	2015	8	25	14	2,819
8/25/2015 15:00	2015	8	25	15	2,837
8/25/2015 16:00	2015	8	25	16	2,813
8/25/2015 17:00	2015	8	25	17	2,791
8/25/2015 18:00	2015	8	25	18	2,680
8/25/2015 19:00	2015	8	25	19	2,658
8/25/2015 20:00	2015	8	25	20	2,564
8/25/2015 21:00	2015	8	25	21	2,363
8/25/2015 22:00	2015	8	25	22	2,136
8/25/2015 23:00	2015	8	25	23	1,985
8/26/2015 0:00	2015	8	26	0	1,847
8/26/2015 1:00	2015	8	26	1	1,782
8/26/2015 2:00	2015	8	26	2	1,738
8/26/2015 3:00	2015	8	26	3	1,746
8/26/2015 4:00	2015	8	26	4	1,824
8/26/2015 5:00	2015	8	26	5	2,052
8/26/2015 6:00	2015	8	26	6	2,189
8/26/2015 7:00	2015	8	26	7	2,285
8/26/2015 8:00	2015	8	26	8	2,383
8/26/2015 9:00	2015	8	26	9	2,507
8/26/2015 10:00	2015	8	26	10	2,590
8/26/2015 11:00	2015	8	26	11	2,648
8/26/2015 12:00	2015	8	26	12	2,685
8/26/2015 13:00	2015	8	26	13	2,736
8/26/2015 14:00	2015	8	26	14	2,763
8/26/2015 15:00	2015	8	26	15	2,759
8/26/2015 16:00	2015	8	26	16	2,780
8/26/2015 17:00	2015	8	26	17	2,761
8/26/2015 18:00	2015	8	26	18	2,694
8/26/2015 19:00	2015	8	26	19	2,642
8/26/2015 20:00	2015	8	26	20	2,580
8/26/2015 21:00	2015	8	26	21	2,374
8/26/2015 22:00	2015	8	26	22	2,135

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8/26/2015 23:00	2015	8	26	23	2,000
8/27/2015 0:00	2015	8	27	0	1,875
8/27/2015 1:00	2015	8	27	1	1,790
8/27/2015 2:00	2015	8	27	2	1,752
8/27/2015 3:00	2015	8	27	3	1,744
8/27/2015 4:00	2015	8	27	4	1,847
8/27/2015 5:00	2015	8	27	5	2,060
8/27/2015 6:00	2015	8	27	6	2,218
8/27/2015 7:00	2015	8	27	7	2,340
8/27/2015 8:00	2015	8	27	8	2,437
8/27/2015 9:00	2015	8	27	9	2,562
8/27/2015 10:00	2015	8	27	10	2,653
8/27/2015 11:00	2015	8	27	11	2,732
8/27/2015 12:00	2015	8	27	12	2,812
8/27/2015 13:00	2015	8	27	13	2,855
8/27/2015 14:00	2015	8	27	14	2,940
8/27/2015 15:00	2015	8	27	15	2,942
8/27/2015 16:00	2015	8	27	16	2,958
8/27/2015 17:00	2015	8	27	17	2,922
8/27/2015 18:00	2015	8	27	18	2,793
8/27/2015 19:00	2015	8	27	19	2,780
8/27/2015 20:00	2015	8	27	20	2,709
8/27/2015 21:00	2015	8	27	21	2,471
8/27/2015 22:00	2015	8	27	22	2,239
8/27/2015 23:00	2015	8	27	23	2,039
8/28/2015 0:00	2015	8	28	0	1,911
8/28/2015 1:00	2015	8	28	1	1,878
8/28/2015 2:00	2015	8	28	2	1,839
8/28/2015 3:00	2015	8	28	3	1,818
8/28/2015 4:00	2015	8	28	4	1,865
8/28/2015 5:00	2015	8	28	5	2,129
8/28/2015 6:00	2015	8	28	6	2,179
8/28/2015 7:00	2015	8	28	7	2,259
8/28/2015 8:00	2015	8	28	8	2,482
8/28/2015 9:00	2015	8	28	9	2,549
8/28/2015 10:00	2015	8	28	10	2,689
8/28/2015 11:00	2015	8	28	11	2,774
8/28/2015 12:00	2015	8	28	12	2,892
8/28/2015 13:00	2015	8	28	13	3,003
8/28/2015 14:00	2015	8	28	14	3,110
8/28/2015 15:00	2015	8	28	15	3,192
8/28/2015 16:00	2015	8	28	16	3,210

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8/28/2015 17:00	2015	8	28	17	3,163
8/28/2015 18:00	2015	8	28	18	3,018
8/28/2015 19:00	2015	8	28	19	2,949
8/28/2015 20:00	2015	8	28	20	2,790
8/28/2015 21:00	2015	8	28	21	2,658
8/28/2015 22:00	2015	8	28	22	2,432
8/28/2015 23:00	2015	8	28	23	2,224
8/29/2015 0:00	2015	8	29	0	2,059
8/29/2015 1:00	2015	8	29	1	1,986
8/29/2015 2:00	2015	8	29	2	1,861
8/29/2015 3:00	2015	8	29	3	1,848
8/29/2015 4:00	2015	8	29	4	1,847
8/29/2015 5:00	2015	8	29	5	1,919
8/29/2015 6:00	2015	8	29	6	1,946
8/29/2015 7:00	2015	8	29	7	2,072
8/29/2015 8:00	2015	8	29	8	2,271
8/29/2015 9:00	2015	8	29	9	2,509
8/29/2015 10:00	2015	8	29	10	2,666
8/29/2015 11:00	2015	8	29	11	2,809
8/29/2015 12:00	2015	8	29	12	2,935
8/29/2015 13:00	2015	8	29	13	3,026
8/29/2015 14:00	2015	8	29	14	3,126
8/29/2015 15:00	2015	8	29	15	3,093
8/29/2015 16:00	2015	8	29	16	3,106
8/29/2015 17:00	2015	8	29	17	3,035
8/29/2015 18:00	2015	8	29	18	2,892
8/29/2015 19:00	2015	8	29	19	2,841
8/29/2015 20:00	2015	8	29	20	2,742
8/29/2015 21:00	2015	8	29	21	2,514
8/29/2015 22:00	2015	8	29	22	2,381
8/29/2015 23:00	2015	8	29	23	2,178
8/30/2015 0:00	2015	8	30	0	2,048
8/30/2015 1:00	2015	8	30	1	1,960
8/30/2015 2:00	2015	8	30	2	1,863
8/30/2015 3:00	2015	8	30	3	1,855
8/30/2015 4:00	2015	8	30	4	1,839
8/30/2015 5:00	2015	8	30	5	1,874
8/30/2015 6:00	2015	8	30	6	1,851
8/30/2015 7:00	2015	8	30	7	2,045
8/30/2015 8:00	2015	8	30	8	2,234
8/30/2015 9:00	2015	8	30	9	2,393
8/30/2015 10:00	2015	8	30	10	2,503

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8/30/2015 11:00	2015	8	30	11	2,640
8/30/2015 12:00	2015	8	30	12	2,773
8/30/2015 13:00	2015	8	30	13	2,855
8/30/2015 14:00	2015	8	30	14	2,906
8/30/2015 15:00	2015	8	30	15	2,936
8/30/2015 16:00	2015	8	30	16	2,978
8/30/2015 17:00	2015	8	30	17	2,855
8/30/2015 18:00	2015	8	30	18	2,805
8/30/2015 19:00	2015	8	30	19	2,760
8/30/2015 20:00	2015	8	30	20	2,727
8/30/2015 21:00	2015	8	30	21	2,514
8/30/2015 22:00	2015	8	30	22	2,325
8/30/2015 23:00	2015	8	30	23	2,204
8/31/2015 0:00	2015	8	31	0	2,037
8/31/2015 1:00	2015	8	31	1	1,953
8/31/2015 2:00	2015	8	31	2	1,903
8/31/2015 3:00	2015	8	31	3	1,951
8/31/2015 4:00	2015	8	31	4	2,034
8/31/2015 5:00	2015	8	31	5	2,284
8/31/2015 6:00	2015	8	31	6	2,391
8/31/2015 7:00	2015	8	31	7	2,564
8/31/2015 8:00	2015	8	31	8	2,723
8/31/2015 9:00	2015	8	31	9	2,910
8/31/2015 10:00	2015	8	31	10	3,098
8/31/2015 11:00	2015	8	31	11	3,265
8/31/2015 12:00	2015	8	31	12	3,411
8/31/2015 13:00	2015	8	31	13	3,469
8/31/2015 14:00	2015	8	31	14	3,569
8/31/2015 15:00	2015	8	31	15	3,582
8/31/2015 16:00	2015	8	31	16	3,576
8/31/2015 17:00	2015	8	31	17	3,532
8/31/2015 18:00	2015	8	31	18	3,367
8/31/2015 19:00	2015	8	31	19	3,308
8/31/2015 20:00	2015	8	31	20	3,158
8/31/2015 21:00	2015	8	31	21	2,881
8/31/2015 22:00	2015	8	31	22	2,623
8/31/2015 23:00	2015	8	31	23	2,409
9/1/2015 0:00	2015	9	1	0	2,243
9/1/2015 1:00	2015	9	1	1	2,052
9/1/2015 2:00	2015	9	1	2	2,067
9/1/2015 3:00	2015	9	1	3	2,024
9/1/2015 4:00	2015	9	1	4	2,153

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9/1/2015 5:00	2015	9	1	5	2,321
9/1/2015 6:00	2015	9	1	6	2,455
9/1/2015 7:00	2015	9	1	7	2,635
9/1/2015 8:00	2015	9	1	8	2,783
9/1/2015 9:00	2015	9	1	9	3,010
9/1/2015 10:00	2015	9	1	10	3,177
9/1/2015 11:00	2015	9	1	11	3,347
9/1/2015 12:00	2015	9	1	12	3,422
9/1/2015 13:00	2015	9	1	13	3,530
9/1/2015 14:00	2015	9	1	14	3,651
9/1/2015 15:00	2015	9	1	15	3,682
9/1/2015 16:00	2015	9	1	16	3,603
9/1/2015 17:00	2015	9	1	17	3,560
9/1/2015 18:00	2015	9	1	18	3,459
9/1/2015 19:00	2015	9	1	19	3,375
9/1/2015 20:00	2015	9	1	20	3,224
9/1/2015 21:00	2015	9	1	21	2,961
9/1/2015 22:00	2015	9	1	22	2,659
9/1/2015 23:00	2015	9	1	23	2,414
9/2/2015 0:00	2015	9	2	0	2,248
9/2/2015 1:00	2015	9	2	1	2,121
9/2/2015 2:00	2015	9	2	2	2,048
9/2/2015 3:00	2015	9	2	3	2,052
9/2/2015 4:00	2015	9	2	4	2,113
9/2/2015 5:00	2015	9	2	5	2,337
9/2/2015 6:00	2015	9	2	6	2,520
9/2/2015 7:00	2015	9	2	7	2,702
9/2/2015 8:00	2015	9	2	8	2,866
9/2/2015 9:00	2015	9	2	9	3,097
9/2/2015 10:00	2015	9	2	10	3,289
9/2/2015 11:00	2015	9	2	11	3,413
9/2/2015 12:00	2015	9	2	12	3,581
9/2/2015 13:00	2015	9	2	13	3,721
9/2/2015 14:00	2015	9	2	14	3,744
9/2/2015 15:00	2015	9	2	15	3,766
9/2/2015 16:00	2015	9	2	16	3,757
9/2/2015 17:00	2015	9	2	17	3,689
9/2/2015 18:00	2015	9	2	18	3,546
9/2/2015 19:00	2015	9	2	19	3,445
9/2/2015 20:00	2015	9	2	20	3,328
9/2/2015 21:00	2015	9	2	21	3,039
9/2/2015 22:00	2015	9	2	22	2,754

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9/2/2015 23:00	2015	9	2	23	2,580
9/3/2015 0:00	2015	9	3	0	2,360
9/3/2015 1:00	2015	9	3	1	2,237
9/3/2015 2:00	2015	9	3	2	2,104
9/3/2015 3:00	2015	9	3	3	2,067
9/3/2015 4:00	2015	9	3	4	2,211
9/3/2015 5:00	2015	9	3	5	2,405
9/3/2015 6:00	2015	9	3	6	2,495
9/3/2015 7:00	2015	9	3	7	2,638
9/3/2015 8:00	2015	9	3	8	2,870
9/3/2015 9:00	2015	9	3	9	3,024
9/3/2015 10:00	2015	9	3	10	3,241
9/3/2015 11:00	2015	9	3	11	3,525
9/3/2015 12:00	2015	9	3	12	3,610
9/3/2015 13:00	2015	9	3	13	3,724
9/3/2015 14:00	2015	9	3	14	3,753
9/3/2015 15:00	2015	9	3	15	3,733
9/3/2015 16:00	2015	9	3	16	3,787
9/3/2015 17:00	2015	9	3	17	3,709
9/3/2015 18:00	2015	9	3	18	3,551
9/3/2015 19:00	2015	9	3	19	3,504
9/3/2015 20:00	2015	9	3	20	3,279
9/3/2015 21:00	2015	9	3	21	2,997
9/3/2015 22:00	2015	9	3	22	2,763
9/3/2015 23:00	2015	9	3	23	2,576
9/4/2015 0:00	2015	9	4	0	2,355
9/4/2015 1:00	2015	9	4	1	2,260
9/4/2015 2:00	2015	9	4	2	2,143
9/4/2015 3:00	2015	9	4	3	2,173
9/4/2015 4:00	2015	9	4	4	2,150
9/4/2015 5:00	2015	9	4	5	2,400
9/4/2015 6:00	2015	9	4	6	2,543
9/4/2015 7:00	2015	9	4	7	2,595
9/4/2015 8:00	2015	9	4	8	2,810
9/4/2015 9:00	2015	9	4	9	3,081
9/4/2015 10:00	2015	9	4	10	3,327
9/4/2015 11:00	2015	9	4	11	3,480
9/4/2015 12:00	2015	9	4	12	3,612
9/4/2015 13:00	2015	9	4	13	3,681
9/4/2015 14:00	2015	9	4	14	3,723
9/4/2015 15:00	2015	9	4	15	3,756
9/4/2015 16:00	2015	9	4	16	3,651

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9/4/2015 17:00	2015	9	4	17	3,562
9/4/2015 18:00	2015	9	4	18	3,446
9/4/2015 19:00	2015	9	4	19	3,347
9/4/2015 20:00	2015	9	4	20	3,171
9/4/2015 21:00	2015	9	4	21	2,883
9/4/2015 22:00	2015	9	4	22	2,623
9/4/2015 23:00	2015	9	4	23	2,464
9/5/2015 0:00	2015	9	5	0	2,266
9/5/2015 1:00	2015	9	5	1	2,102
9/5/2015 2:00	2015	9	5	2	2,026
9/5/2015 3:00	2015	9	5	3	1,962
9/5/2015 4:00	2015	9	5	4	1,976
9/5/2015 5:00	2015	9	5	5	1,977
9/5/2015 6:00	2015	9	5	6	1,988
9/5/2015 7:00	2015	9	5	7	2,069
9/5/2015 8:00	2015	9	5	8	2,325
9/5/2015 9:00	2015	9	5	9	2,607
9/5/2015 10:00	2015	9	5	10	2,803
9/5/2015 11:00	2015	9	5	11	3,033
9/5/2015 12:00	2015	9	5	12	3,190
9/5/2015 13:00	2015	9	5	13	3,273
9/5/2015 14:00	2015	9	5	14	3,343
9/5/2015 15:00	2015	9	5	15	3,352
9/5/2015 16:00	2015	9	5	16	3,380
9/5/2015 17:00	2015	9	5	17	3,279
9/5/2015 18:00	2015	9	5	18	3,125
9/5/2015 19:00	2015	9	5	19	3,073
9/5/2015 20:00	2015	9	5	20	2,871
9/5/2015 21:00	2015	9	5	21	2,734
9/5/2015 22:00	2015	9	5	22	2,472
9/5/2015 23:00	2015	9	5	23	2,287
9/6/2015 0:00	2015	9	6	0	2,153
9/6/2015 1:00	2015	9	6	1	1,982
9/6/2015 2:00	2015	9	6	2	1,974
9/6/2015 3:00	2015	9	6	3	1,922
9/6/2015 4:00	2015	9	6	4	1,885
9/6/2015 5:00	2015	9	6	5	1,922
9/6/2015 6:00	2015	9	6	6	1,946
9/6/2015 7:00	2015	9	6	7	2,033
9/6/2015 8:00	2015	9	6	8	2,308
9/6/2015 9:00	2015	9	6	9	2,496
9/6/2015 10:00	2015	9	6	10	2,680



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9/6/2015 11:00	2015	9	6	11	2,893
9/6/2015 12:00	2015	9	6	12	3,018
9/6/2015 13:00	2015	9	6	13	3,176
9/6/2015 14:00	2015	9	6	14	3,183
9/6/2015 15:00	2015	9	6	15	3,210
9/6/2015 16:00	2015	9	6	16	3,203
9/6/2015 17:00	2015	9	6	17	3,089
9/6/2015 18:00	2015	9	6	18	2,981
9/6/2015 19:00	2015	9	6	19	2,906
9/6/2015 20:00	2015	9	6	20	2,765
9/6/2015 21:00	2015	9	6	21	2,552
9/6/2015 22:00	2015	9	6	22	2,330
9/6/2015 23:00	2015	9	6	23	2,195
9/7/2015 0:00	2015	9	7	0	2,042
9/7/2015 1:00	2015	9	7	1	1,966
9/7/2015 2:00	2015	9	7	2	1,915
9/7/2015 3:00	2015	9	7	3	1,898
9/7/2015 4:00	2015	9	7	4	1,874
9/7/2015 5:00	2015	9	7	5	1,902
9/7/2015 6:00	2015	9	7	6	1,884
9/7/2015 7:00	2015	9	7	7	1,995
9/7/2015 8:00	2015	9	7	8	2,260
9/7/2015 9:00	2015	9	7	9	2,498
9/7/2015 10:00	2015	9	7	10	2,735
9/7/2015 11:00	2015	9	7	11	2,944
9/7/2015 12:00	2015	9	7	12	3,089
9/7/2015 13:00	2015	9	7	13	3,127
9/7/2015 14:00	2015	9	7	14	3,253
9/7/2015 15:00	2015	9	7	15	3,306
9/7/2015 16:00	2015	9	7	16	3,264
9/7/2015 17:00	2015	9	7	17	3,259
9/7/2015 18:00	2015	9	7	18	3,128
9/7/2015 19:00	2015	9	7	19	3,059
9/7/2015 20:00	2015	9	7	20	2,910
9/7/2015 21:00	2015	9	7	21	2,717
9/7/2015 22:00	2015	9	7	22	2,458
9/7/2015 23:00	2015	9	7	23	2,278
9/8/2015 0:00	2015	9	8	0	2,150
9/8/2015 1:00	2015	9	8	1	2,069
9/8/2015 2:00	2015	9	8	2	2,020
9/8/2015 3:00	2015	9	8	3	2,005
9/8/2015 4:00	2015	9	8	4	2,115

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9/8/2015 5:00	2015	9	8	5	2,304
9/8/2015 6:00	2015	9	8	6	2,521
9/8/2015 7:00	2015	9	8	7	2,691
9/8/2015 8:00	2015	9	8	8	2,916
9/8/2015 9:00	2015	9	8	9	3,116
9/8/2015 10:00	2015	9	8	10	3,311
9/8/2015 11:00	2015	9	8	11	3,519
9/8/2015 12:00	2015	9	8	12	3,661
9/8/2015 13:00	2015	9	8	13	3,738
9/8/2015 14:00	2015	9	8	14	3,778
9/8/2015 15:00	2015	9	8	15	3,737
9/8/2015 16:00	2015	9	8	16	3,728
9/8/2015 17:00	2015	9	8	17	3,655
9/8/2015 18:00	2015	9	8	18	3,524
9/8/2015 19:00	2015	9	8	19	3,501
9/8/2015 20:00	2015	9	8	20	3,287
9/8/2015 21:00	2015	9	8	21	3,027
9/8/2015 22:00	2015	9	8	22	2,774
9/8/2015 23:00	2015	9	8	23	2,575
9/9/2015 0:00	2015	9	9	0	2,394
9/9/2015 1:00	2015	9	9	1	2,273
9/9/2015 2:00	2015	9	9	2	2,227
9/9/2015 3:00	2015	9	9	3	2,163
9/9/2015 4:00	2015	9	9	4	2,230
9/9/2015 5:00	2015	9	9	5	2,488
9/9/2015 6:00	2015	9	9	6	2,653
9/9/2015 7:00	2015	9	9	7	2,742
9/9/2015 8:00	2015	9	9	8	2,886
9/9/2015 9:00	2015	9	9	9	3,046
9/9/2015 10:00	2015	9	9	10	3,189
9/9/2015 11:00	2015	9	9	11	3,256
9/9/2015 12:00	2015	9	9	12	3,328
9/9/2015 13:00	2015	9	9	13	3,338
9/9/2015 14:00	2015	9	9	14	3,291
9/9/2015 15:00	2015	9	9	15	3,214
9/9/2015 16:00	2015	9	9	16	3,111
9/9/2015 17:00	2015	9	9	17	3,087
9/9/2015 18:00	2015	9	9	18	3,053
9/9/2015 19:00	2015	9	9	19	3,000
9/9/2015 20:00	2015	9	9	20	2,910
9/9/2015 21:00	2015	9	9	21	2,674
9/9/2015 22:00	2015	9	9	22	2,477

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9/9/2015 23:00	2015	9	9	23	2,316
9/10/2015 0:00	2015	9	10	0	2,130
9/10/2015 1:00	2015	9	10	1	2,065
9/10/2015 2:00	2015	9	10	2	2,068
9/10/2015 3:00	2015	9	10	3	2,043
9/10/2015 4:00	2015	9	10	4	2,177
9/10/2015 5:00	2015	9	10	5	2,401
9/10/2015 6:00	2015	9	10	6	2,564
9/10/2015 7:00	2015	9	10	7	2,584
9/10/2015 8:00	2015	9	10	8	2,646
9/10/2015 9:00	2015	9	10	9	2,736
9/10/2015 10:00	2015	9	10	10	2,853
9/10/2015 11:00	2015	9	10	11	2,897
9/10/2015 12:00	2015	9	10	12	2,978
9/10/2015 13:00	2015	9	10	13	2,998
9/10/2015 14:00	2015	9	10	14	3,134
9/10/2015 15:00	2015	9	10	15	3,181
9/10/2015 16:00	2015	9	10	16	3,212
9/10/2015 17:00	2015	9	10	17	3,151
9/10/2015 18:00	2015	9	10	18	3,051
9/10/2015 19:00	2015	9	10	19	3,035
9/10/2015 20:00	2015	9	10	20	2,930
9/10/2015 21:00	2015	9	10	21	2,661
9/10/2015 22:00	2015	9	10	22	2,429
9/10/2015 23:00	2015	9	10	23	2,250
9/11/2015 0:00	2015	9	11	0	2,121
9/11/2015 1:00	2015	9	11	1	1,938
9/11/2015 2:00	2015	9	11	2	1,908
9/11/2015 3:00	2015	9	11	3	1,920
9/11/2015 4:00	2015	9	11	4	1,985
9/11/2015 5:00	2015	9	11	5	2,257
9/11/2015 6:00	2015	9	11	6	2,382
9/11/2015 7:00	2015	9	11	7	2,483
9/11/2015 8:00	2015	9	11	8	2,643
9/11/2015 9:00	2015	9	11	9	2,772
9/11/2015 10:00	2015	9	11	10	2,922
9/11/2015 11:00	2015	9	11	11	3,044
9/11/2015 12:00	2015	9	11	12	3,163
9/11/2015 13:00	2015	9	11	13	3,199
9/11/2015 14:00	2015	9	11	14	3,184
9/11/2015 15:00	2015	9	11	15	3,108
9/11/2015 16:00	2015	9	11	16	2,934

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9/11/2015 17:00	2015	9	11	17	2,838
9/11/2015 18:00	2015	9	11	18	2,690
9/11/2015 19:00	2015	9	11	19	2,681
9/11/2015 20:00	2015	9	11	20	2,563
9/11/2015 21:00	2015	9	11	21	2,353
9/11/2015 22:00	2015	9	11	22	2,200
9/11/2015 23:00	2015	9	11	23	2,011
9/12/2015 0:00	2015	9	12	0	1,907
9/12/2015 1:00	2015	9	12	1	1,842
9/12/2015 2:00	2015	9	12	2	1,793
9/12/2015 3:00	2015	9	12	3	1,752
9/12/2015 4:00	2015	9	12	4	1,778
9/12/2015 5:00	2015	9	12	5	1,831
9/12/2015 6:00	2015	9	12	6	1,865
9/12/2015 7:00	2015	9	12	7	1,914
9/12/2015 8:00	2015	9	12	8	2,010
9/12/2015 9:00	2015	9	12	9	2,084
9/12/2015 10:00	2015	9	12	10	2,172
9/12/2015 11:00	2015	9	12	11	2,128
9/12/2015 12:00	2015	9	12	12	2,109
9/12/2015 13:00	2015	9	12	13	2,140
9/12/2015 14:00	2015	9	12	14	2,092
9/12/2015 15:00	2015	9	12	15	2,145
9/12/2015 16:00	2015	9	12	16	2,136
9/12/2015 17:00	2015	9	12	17	2,063
9/12/2015 18:00	2015	9	12	18	2,073
9/12/2015 19:00	2015	9	12	19	2,069
9/12/2015 20:00	2015	9	12	20	1,985
9/12/2015 21:00	2015	9	12	21	1,937
9/12/2015 22:00	2015	9	12	22	1,845
9/12/2015 23:00	2015	9	12	23	1,679
9/13/2015 0:00	2015	9	13	0	1,652
9/13/2015 1:00	2015	9	13	1	1,578
9/13/2015 2:00	2015	9	13	2	1,517
9/13/2015 3:00	2015	9	13	3	1,520
9/13/2015 4:00	2015	9	13	4	1,559
9/13/2015 5:00	2015	9	13	5	1,630
9/13/2015 6:00	2015	9	13	6	1,644
9/13/2015 7:00	2015	9	13	7	1,746
9/13/2015 8:00	2015	9	13	8	1,843
9/13/2015 9:00	2015	9	13	9	1,891
9/13/2015 10:00	2015	9	13	10	1,894

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9/13/2015 11:00	2015	9	13	11	1,971
9/13/2015 12:00	2015	9	13	12	1,985
9/13/2015 13:00	2015	9	13	13	1,975
9/13/2015 14:00	2015	9	13	14	1,984
9/13/2015 15:00	2015	9	13	15	2,047
9/13/2015 16:00	2015	9	13	16	2,068
9/13/2015 17:00	2015	9	13	17	2,063
9/13/2015 18:00	2015	9	13	18	2,080
9/13/2015 19:00	2015	9	13	19	2,141
9/13/2015 20:00	2015	9	13	20	2,106
9/13/2015 21:00	2015	9	13	21	1,961
9/13/2015 22:00	2015	9	13	22	1,833
9/13/2015 23:00	2015	9	13	23	1,719
9/14/2015 0:00	2015	9	14	0	1,677
9/14/2015 1:00	2015	9	14	1	1,661
9/14/2015 2:00	2015	9	14	2	1,672
9/14/2015 3:00	2015	9	14	3	1,716
9/14/2015 4:00	2015	9	14	4	1,781
9/14/2015 5:00	2015	9	14	5	2,032
9/14/2015 6:00	2015	9	14	6	2,178
9/14/2015 7:00	2015	9	14	7	2,251
9/14/2015 8:00	2015	9	14	8	2,355
9/14/2015 9:00	2015	9	14	9	2,365
9/14/2015 10:00	2015	9	14	10	2,466
9/14/2015 11:00	2015	9	14	11	2,488
9/14/2015 12:00	2015	9	14	12	2,557
9/14/2015 13:00	2015	9	14	13	2,579
9/14/2015 14:00	2015	9	14	14	2,593
9/14/2015 15:00	2015	9	14	15	2,659
9/14/2015 16:00	2015	9	14	16	2,662
9/14/2015 17:00	2015	9	14	17	2,625
9/14/2015 18:00	2015	9	14	18	2,574
9/14/2015 19:00	2015	9	14	19	2,610
9/14/2015 20:00	2015	9	14	20	2,500
9/14/2015 21:00	2015	9	14	21	2,300
9/14/2015 22:00	2015	9	14	22	2,124
9/14/2015 23:00	2015	9	14	23	1,981
9/15/2015 0:00	2015	9	15	0	1,900
9/15/2015 1:00	2015	9	15	1	1,824
9/15/2015 2:00	2015	9	15	2	1,741
9/15/2015 3:00	2015	9	15	3	1,728
9/15/2015 4:00	2015	9	15	4	1,872

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9/15/2015 5:00	2015	9	15	5	2,090
9/15/2015 6:00	2015	9	15	6	2,212
9/15/2015 7:00	2015	9	15	7	2,267
9/15/2015 8:00	2015	9	15	8	2,335
9/15/2015 9:00	2015	9	15	9	2,477
9/15/2015 10:00	2015	9	15	10	2,525
9/15/2015 11:00	2015	9	15	11	2,570
9/15/2015 12:00	2015	9	15	12	2,673
9/15/2015 13:00	2015	9	15	13	2,757
9/15/2015 14:00	2015	9	15	14	2,837
9/15/2015 15:00	2015	9	15	15	2,915
9/15/2015 16:00	2015	9	15	16	2,932
9/15/2015 17:00	2015	9	15	17	2,916
9/15/2015 18:00	2015	9	15	18	2,781
9/15/2015 19:00	2015	9	15	19	2,769
9/15/2015 20:00	2015	9	15	20	2,647
9/15/2015 21:00	2015	9	15	21	2,444
9/15/2015 22:00	2015	9	15	22	2,169
9/15/2015 23:00	2015	9	15	23	1,993
9/16/2015 0:00	2015	9	16	0	1,887
9/16/2015 1:00	2015	9	16	1	1,809
9/16/2015 2:00	2015	9	16	2	1,714
9/16/2015 3:00	2015	9	16	3	1,770
9/16/2015 4:00	2015	9	16	4	1,890
9/16/2015 5:00	2015	9	16	5	2,142
9/16/2015 6:00	2015	9	16	6	2,211
9/16/2015 7:00	2015	9	16	7	2,278
9/16/2015 8:00	2015	9	16	8	2,418
9/16/2015 9:00	2015	9	16	9	2,563
9/16/2015 10:00	2015	9	16	10	2,686
9/16/2015 11:00	2015	9	16	11	2,777
9/16/2015 12:00	2015	9	16	12	2,854
9/16/2015 13:00	2015	9	16	13	2,991
9/16/2015 14:00	2015	9	16	14	3,022
9/16/2015 15:00	2015	9	16	15	3,099
9/16/2015 16:00	2015	9	16	16	3,092
9/16/2015 17:00	2015	9	16	17	3,062
9/16/2015 18:00	2015	9	16	18	2,880
9/16/2015 19:00	2015	9	16	19	2,856
9/16/2015 20:00	2015	9	16	20	2,720
9/16/2015 21:00	2015	9	16	21	2,453
9/16/2015 22:00	2015	9	16	22	2,226

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9/16/2015 23:00	2015	9	16	23	2,099
9/17/2015 0:00	2015	9	17	0	1,946
9/17/2015 1:00	2015	9	17	1	1,863
9/17/2015 2:00	2015	9	17	2	1,792
9/17/2015 3:00	2015	9	17	3	1,835
9/17/2015 4:00	2015	9	17	4	1,918
9/17/2015 5:00	2015	9	17	5	2,111
9/17/2015 6:00	2015	9	17	6	2,295
9/17/2015 7:00	2015	9	17	7	2,338
9/17/2015 8:00	2015	9	17	8	2,500
9/17/2015 9:00	2015	9	17	9	2,569
9/17/2015 10:00	2015	9	17	10	2,604
9/17/2015 11:00	2015	9	17	11	2,796
9/17/2015 12:00	2015	9	17	12	2,845
9/17/2015 13:00	2015	9	17	13	2,969
9/17/2015 14:00	2015	9	17	14	3,012
9/17/2015 15:00	2015	9	17	15	3,116
9/17/2015 16:00	2015	9	17	16	3,124
9/17/2015 17:00	2015	9	17	17	2,995
9/17/2015 18:00	2015	9	17	18	2,912
9/17/2015 19:00	2015	9	17	19	2,902
9/17/2015 20:00	2015	9	17	20	2,683
9/17/2015 21:00	2015	9	17	21	2,482
9/17/2015 22:00	2015	9	17	22	2,267
9/17/2015 23:00	2015	9	17	23	2,071
9/18/2015 0:00	2015	9	18	0	1,985
9/18/2015 1:00	2015	9	18	1	1,897
9/18/2015 2:00	2015	9	18	2	1,838
9/18/2015 3:00	2015	9	18	3	1,790
9/18/2015 4:00	2015	9	18	4	1,861
9/18/2015 5:00	2015	9	18	5	2,135
9/18/2015 6:00	2015	9	18	6	2,236
9/18/2015 7:00	2015	9	18	7	2,286
9/18/2015 8:00	2015	9	18	8	2,445
9/18/2015 9:00	2015	9	18	9	2,604
9/18/2015 10:00	2015	9	18	10	2,724
9/18/2015 11:00	2015	9	18	11	2,889
9/18/2015 12:00	2015	9	18	12	2,958
9/18/2015 13:00	2015	9	18	13	3,051
9/18/2015 14:00	2015	9	18	14	3,122
9/18/2015 15:00	2015	9	18	15	3,182
9/18/2015 16:00	2015	9	18	16	3,157

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9/18/2015 17:00	2015	9	18	17	3,062
9/18/2015 18:00	2015	9	18	18	2,883
9/18/2015 19:00	2015	9	18	19	2,892
9/18/2015 20:00	2015	9	18	20	2,765
9/18/2015 21:00	2015	9	18	21	2,519
9/18/2015 22:00	2015	9	18	22	2,312
9/18/2015 23:00	2015	9	18	23	2,148
9/19/2015 0:00	2015	9	19	0	2,032
9/19/2015 1:00	2015	9	19	1	1,960
9/19/2015 2:00	2015	9	19	2	1,848
9/19/2015 3:00	2015	9	19	3	1,825
9/19/2015 4:00	2015	9	19	4	1,798
9/19/2015 5:00	2015	9	19	5	1,900
9/19/2015 6:00	2015	9	19	6	1,955
9/19/2015 7:00	2015	9	19	7	2,052
9/19/2015 8:00	2015	9	19	8	2,248
9/19/2015 9:00	2015	9	19	9	2,389
9/19/2015 10:00	2015	9	19	10	2,529
9/19/2015 11:00	2015	9	19	11	2,662
9/19/2015 12:00	2015	9	19	12	2,693
9/19/2015 13:00	2015	9	19	13	2,735
9/19/2015 14:00	2015	9	19	14	2,708
9/19/2015 15:00	2015	9	19	15	2,682
9/19/2015 16:00	2015	9	19	16	2,603
9/19/2015 17:00	2015	9	19	17	2,477
9/19/2015 18:00	2015	9	19	18	2,460
9/19/2015 19:00	2015	9	19	19	2,434
9/19/2015 20:00	2015	9	19	20	2,326
9/19/2015 21:00	2015	9	19	21	2,176
9/19/2015 22:00	2015	9	19	22	2,046
9/19/2015 23:00	2015	9	19	23	1,897
9/20/2015 0:00	2015	9	20	0	1,751
9/20/2015 1:00	2015	9	20	1	1,661
9/20/2015 2:00	2015	9	20	2	1,671
9/20/2015 3:00	2015	9	20	3	1,625
9/20/2015 4:00	2015	9	20	4	1,623
9/20/2015 5:00	2015	9	20	5	1,662
9/20/2015 6:00	2015	9	20	6	1,681
9/20/2015 7:00	2015	9	20	7	1,760
9/20/2015 8:00	2015	9	20	8	1,886
9/20/2015 9:00	2015	9	20	9	2,023
9/20/2015 10:00	2015	9	20	10	2,059



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9/20/2015 11:00	2015	9	20	11	2,136
9/20/2015 12:00	2015	9	20	12	2,165
9/20/2015 13:00	2015	9	20	13	2,143
9/20/2015 14:00	2015	9	20	14	2,260
9/20/2015 15:00	2015	9	20	15	2,311
9/20/2015 16:00	2015	9	20	16	2,301
9/20/2015 17:00	2015	9	20	17	2,231
9/20/2015 18:00	2015	9	20	18	2,261
9/20/2015 19:00	2015	9	20	19	2,297
9/20/2015 20:00	2015	9	20	20	2,207
9/20/2015 21:00	2015	9	20	21	2,073
9/20/2015 22:00	2015	9	20	22	1,903
9/20/2015 23:00	2015	9	20	23	1,790
9/21/2015 0:00	2015	9	21	0	1,690
9/21/2015 1:00	2015	9	21	1	1,598
9/21/2015 2:00	2015	9	21	2	1,596
9/21/2015 3:00	2015	9	21	3	1,654
9/21/2015 4:00	2015	9	21	4	1,832
9/21/2015 5:00	2015	9	21	5	2,068
9/21/2015 6:00	2015	9	21	6	2,211
9/21/2015 7:00	2015	9	21	7	2,251
9/21/2015 8:00	2015	9	21	8	2,343
9/21/2015 9:00	2015	9	21	9	2,443
9/21/2015 10:00	2015	9	21	10	2,473
9/21/2015 11:00	2015	9	21	11	2,577
9/21/2015 12:00	2015	9	21	12	2,626
9/21/2015 13:00	2015	9	21	13	2,664
9/21/2015 14:00	2015	9	21	14	2,734
9/21/2015 15:00	2015	9	21	15	2,750
9/21/2015 16:00	2015	9	21	16	2,738
9/21/2015 17:00	2015	9	21	17	2,741
9/21/2015 18:00	2015	9	21	18	2,688
9/21/2015 19:00	2015	9	21	19	2,700
9/21/2015 20:00	2015	9	21	20	2,537
9/21/2015 21:00	2015	9	21	21	2,330
9/21/2015 22:00	2015	9	21	22	2,120
9/21/2015 23:00	2015	9	21	23	1,994
9/22/2015 0:00	2015	9	22	0	1,915
9/22/2015 1:00	2015	9	22	1	1,837
9/22/2015 2:00	2015	9	22	2	1,749
9/22/2015 3:00	2015	9	22	3	1,754
9/22/2015 4:00	2015	9	22	4	1,850

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9/22/2015 5:00	2015	9	22	5	2,061
9/22/2015 6:00	2015	9	22	6	2,224
9/22/2015 7:00	2015	9	22	7	2,289
9/22/2015 8:00	2015	9	22	8	2,419
9/22/2015 9:00	2015	9	22	9	2,479
9/22/2015 10:00	2015	9	22	10	2,580
9/22/2015 11:00	2015	9	22	11	2,642
9/22/2015 12:00	2015	9	22	12	2,726
9/22/2015 13:00	2015	9	22	13	2,702
9/22/2015 14:00	2015	9	22	14	2,830
9/22/2015 15:00	2015	9	22	15	2,820
9/22/2015 16:00	2015	9	22	16	2,884
9/22/2015 17:00	2015	9	22	17	2,863
9/22/2015 18:00	2015	9	22	18	2,744
9/22/2015 19:00	2015	9	22	19	2,795
9/22/2015 20:00	2015	9	22	20	2,630
9/22/2015 21:00	2015	9	22	21	2,364
9/22/2015 22:00	2015	9	22	22	2,175
9/22/2015 23:00	2015	9	22	23	2,053
9/23/2015 0:00	2015	9	23	0	1,930
9/23/2015 1:00	2015	9	23	1	1,846
9/23/2015 2:00	2015	9	23	2	1,823
9/23/2015 3:00	2015	9	23	3	1,830
9/23/2015 4:00	2015	9	23	4	1,875
9/23/2015 5:00	2015	9	23	5	2,124
9/23/2015 6:00	2015	9	23	6	2,307
9/23/2015 7:00	2015	9	23	7	2,340
9/23/2015 8:00	2015	9	23	8	2,469
9/23/2015 9:00	2015	9	23	9	2,570
9/23/2015 10:00	2015	9	23	10	2,607
9/23/2015 11:00	2015	9	23	11	2,729
9/23/2015 12:00	2015	9	23	12	2,813
9/23/2015 13:00	2015	9	23	13	2,918
9/23/2015 14:00	2015	9	23	14	3,043
9/23/2015 15:00	2015	9	23	15	3,070
9/23/2015 16:00	2015	9	23	16	3,048
9/23/2015 17:00	2015	9	23	17	2,915
9/23/2015 18:00	2015	9	23	18	2,854
9/23/2015 19:00	2015	9	23	19	2,762
9/23/2015 20:00	2015	9	23	20	2,599
9/23/2015 21:00	2015	9	23	21	2,383
9/23/2015 22:00	2015	9	23	22	2,182

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9/23/2015 23:00	2015	9	23	23	2,007
9/24/2015 0:00	2015	9	24	0	1,876
9/24/2015 1:00	2015	9	24	1	1,800
9/24/2015 2:00	2015	9	24	2	1,749
9/24/2015 3:00	2015	9	24	3	1,750
9/24/2015 4:00	2015	9	24	4	1,849
9/24/2015 5:00	2015	9	24	5	2,079
9/24/2015 6:00	2015	9	24	6	2,222
9/24/2015 7:00	2015	9	24	7	2,282
9/24/2015 8:00	2015	9	24	8	2,390
9/24/2015 9:00	2015	9	24	9	2,500
9/24/2015 10:00	2015	9	24	10	2,611
9/24/2015 11:00	2015	9	24	11	2,756
9/24/2015 12:00	2015	9	24	12	2,874
9/24/2015 13:00	2015	9	24	13	2,990
9/24/2015 14:00	2015	9	24	14	3,043
9/24/2015 15:00	2015	9	24	15	3,068
9/24/2015 16:00	2015	9	24	16	3,023
9/24/2015 17:00	2015	9	24	17	2,922
9/24/2015 18:00	2015	9	24	18	2,835
9/24/2015 19:00	2015	9	24	19	2,821
9/24/2015 20:00	2015	9	24	20	2,658
9/24/2015 21:00	2015	9	24	21	2,413
9/24/2015 22:00	2015	9	24	22	2,195
9/24/2015 23:00	2015	9	24	23	2,036
9/25/2015 0:00	2015	9	25	0	1,889
9/25/2015 1:00	2015	9	25	1	1,811
9/25/2015 2:00	2015	9	25	2	1,760
9/25/2015 3:00	2015	9	25	3	1,741
9/25/2015 4:00	2015	9	25	4	1,851
9/25/2015 5:00	2015	9	25	5	2,061
9/25/2015 6:00	2015	9	25	6	2,232
9/25/2015 7:00	2015	9	25	7	2,272
9/25/2015 8:00	2015	9	25	8	2,339
9/25/2015 9:00	2015	9	25	9	2,408
9/25/2015 10:00	2015	9	25	10	2,458
9/25/2015 11:00	2015	9	25	11	2,479
9/25/2015 12:00	2015	9	25	12	2,500
9/25/2015 13:00	2015	9	25	13	2,520
9/25/2015 14:00	2015	9	25	14	2,506
9/25/2015 15:00	2015	9	25	15	2,467
9/25/2015 16:00	2015	9	25	16	2,451

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9/25/2015 17:00	2015	9	25	17	2,407
9/25/2015 18:00	2015	9	25	18	2,401
9/25/2015 19:00	2015	9	25	19	2,415
9/25/2015 20:00	2015	9	25	20	2,346
9/25/2015 21:00	2015	9	25	21	2,210
9/25/2015 22:00	2015	9	25	22	2,106
9/25/2015 23:00	2015	9	25	23	1,931
9/26/2015 0:00	2015	9	26	0	1,831
9/26/2015 1:00	2015	9	26	1	1,721
9/26/2015 2:00	2015	9	26	2	1,699
9/26/2015 3:00	2015	9	26	3	1,663
9/26/2015 4:00	2015	9	26	4	1,661
9/26/2015 5:00	2015	9	26	5	1,747
9/26/2015 6:00	2015	9	26	6	1,864
9/26/2015 7:00	2015	9	26	7	1,951
9/26/2015 8:00	2015	9	26	8	2,007
9/26/2015 9:00	2015	9	26	9	2,109
9/26/2015 10:00	2015	9	26	10	2,136
9/26/2015 11:00	2015	9	26	11	2,134
9/26/2015 12:00	2015	9	26	12	2,157
9/26/2015 13:00	2015	9	26	13	2,177
9/26/2015 14:00	2015	9	26	14	2,119
9/26/2015 15:00	2015	9	26	15	2,119
9/26/2015 16:00	2015	9	26	16	2,157
9/26/2015 17:00	2015	9	26	17	2,178
9/26/2015 18:00	2015	9	26	18	2,108
9/26/2015 19:00	2015	9	26	19	2,190
9/26/2015 20:00	2015	9	26	20	2,118
9/26/2015 21:00	2015	9	26	21	2,040
9/26/2015 22:00	2015	9	26	22	1,919
9/26/2015 23:00	2015	9	26	23	1,821
9/27/2015 0:00	2015	9	27	0	1,712
9/27/2015 1:00	2015	9	27	1	1,696
9/27/2015 2:00	2015	9	27	2	1,606
9/27/2015 3:00	2015	9	27	3	1,612
9/27/2015 4:00	2015	9	27	4	1,649
9/27/2015 5:00	2015	9	27	5	1,590
9/27/2015 6:00	2015	9	27	6	1,703
9/27/2015 7:00	2015	9	27	7	1,762
9/27/2015 8:00	2015	9	27	8	1,912
9/27/2015 9:00	2015	9	27	9	1,991
9/27/2015 10:00	2015	9	27	10	2,059

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9/27/2015 11:00	2015	9	27	11	2,132
9/27/2015 12:00	2015	9	27	12	2,242
9/27/2015 13:00	2015	9	27	13	2,315
9/27/2015 14:00	2015	9	27	14	2,390
9/27/2015 15:00	2015	9	27	15	2,410
9/27/2015 16:00	2015	9	27	16	2,442
9/27/2015 17:00	2015	9	27	17	2,406
9/27/2015 18:00	2015	9	27	18	2,450
9/27/2015 19:00	2015	9	27	19	2,438
9/27/2015 20:00	2015	9	27	20	2,347
9/27/2015 21:00	2015	9	27	21	2,162
9/27/2015 22:00	2015	9	27	22	2,055
9/27/2015 23:00	2015	9	27	23	1,922
9/28/2015 0:00	2015	9	28	0	1,847
9/28/2015 1:00	2015	9	28	1	1,782
9/28/2015 2:00	2015	9	28	2	1,786
9/28/2015 3:00	2015	9	28	3	1,810
9/28/2015 4:00	2015	9	28	4	1,873
9/28/2015 5:00	2015	9	28	5	2,151
9/28/2015 6:00	2015	9	28	6	2,316
9/28/2015 7:00	2015	9	28	7	2,345
9/28/2015 8:00	2015	9	28	8	2,483
9/28/2015 9:00	2015	9	28	9	2,612
9/28/2015 10:00	2015	9	28	10	2,672
9/28/2015 11:00	2015	9	28	11	2,834
9/28/2015 12:00	2015	9	28	12	2,920
9/28/2015 13:00	2015	9	28	13	3,017
9/28/2015 14:00	2015	9	28	14	3,062
9/28/2015 15:00	2015	9	28	15	3,035
9/28/2015 16:00	2015	9	28	16	3,038
9/28/2015 17:00	2015	9	28	17	3,008
9/28/2015 18:00	2015	9	28	18	3,016
9/28/2015 19:00	2015	9	28	19	2,933
9/28/2015 20:00	2015	9	28	20	2,868
9/28/2015 21:00	2015	9	28	21	2,637
9/28/2015 22:00	2015	9	28	22	2,437
9/28/2015 23:00	2015	9	28	23	2,246
9/29/2015 0:00	2015	9	29	0	2,156
9/29/2015 1:00	2015	9	29	1	2,080
9/29/2015 2:00	2015	9	29	2	1,956
9/29/2015 3:00	2015	9	29	3	1,950
9/29/2015 4:00	2015	9	29	4	2,084

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9/29/2015 5:00	2015	9	29	5	2,315
9/29/2015 6:00	2015	9	29	6	2,488
9/29/2015 7:00	2015	9	29	7	2,566
9/29/2015 8:00	2015	9	29	8	2,664
9/29/2015 9:00	2015	9	29	9	2,735
9/29/2015 10:00	2015	9	29	10	2,710
9/29/2015 11:00	2015	9	29	11	2,741
9/29/2015 12:00	2015	9	29	12	2,748
9/29/2015 13:00	2015	9	29	13	2,751
9/29/2015 14:00	2015	9	29	14	2,693
9/29/2015 15:00	2015	9	29	15	2,656
9/29/2015 16:00	2015	9	29	16	2,732
9/29/2015 17:00	2015	9	29	17	2,710
9/29/2015 18:00	2015	9	29	18	2,693
9/29/2015 19:00	2015	9	29	19	2,731
9/29/2015 20:00	2015	9	29	20	2,643
9/29/2015 21:00	2015	9	29	21	2,430
9/29/2015 22:00	2015	9	29	22	2,223
9/29/2015 23:00	2015	9	29	23	2,146
9/30/2015 0:00	2015	9	30	0	2,073
9/30/2015 1:00	2015	9	30	1	1,978
9/30/2015 2:00	2015	9	30	2	1,875
9/30/2015 3:00	2015	9	30	3	1,869
9/30/2015 4:00	2015	9	30	4	1,939
9/30/2015 5:00	2015	9	30	5	2,186
9/30/2015 6:00	2015	9	30	6	2,363
9/30/2015 7:00	2015	9	30	7	2,381
9/30/2015 8:00	2015	9	30	8	2,488
9/30/2015 9:00	2015	9	30	9	2,528
9/30/2015 10:00	2015	9	30	10	2,515
9/30/2015 11:00	2015	9	30	11	2,579
9/30/2015 12:00	2015	9	30	12	2,539
9/30/2015 13:00	2015	9	30	13	2,490
9/30/2015 14:00	2015	9	30	14	2,467
9/30/2015 15:00	2015	9	30	15	2,470
9/30/2015 16:00	2015	9	30	16	2,428
9/30/2015 17:00	2015	9	30	17	2,442
9/30/2015 18:00	2015	9	30	18	2,517
9/30/2015 19:00	2015	9	30	19	2,523
9/30/2015 20:00	2015	9	30	20	2,400
9/30/2015 21:00	2015	9	30	21	2,239
9/30/2015 22:00	2015	9	30	22	2,080

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9/30/2015 23:00	2015	9	30	23	1,959
10/1/2015 0:00	2015	10	1	0	1,836
10/1/2015 1:00	2015	10	1	1	1,826
10/1/2015 2:00	2015	10	1	2	1,759
10/1/2015 3:00	2015	10	1	3	1,791
10/1/2015 4:00	2015	10	1	4	1,883
10/1/2015 5:00	2015	10	1	5	2,069
10/1/2015 6:00	2015	10	1	6	2,252
10/1/2015 7:00	2015	10	1	7	2,303
10/1/2015 8:00	2015	10	1	8	2,389
10/1/2015 9:00	2015	10	1	9	2,421
10/1/2015 10:00	2015	10	1	10	2,449
10/1/2015 11:00	2015	10	1	11	2,428
10/1/2015 12:00	2015	10	1	12	2,412
10/1/2015 13:00	2015	10	1	13	2,373
10/1/2015 14:00	2015	10	1	14	2,337
10/1/2015 15:00	2015	10	1	15	2,335
10/1/2015 16:00	2015	10	1	16	2,336
10/1/2015 17:00	2015	10	1	17	2,296
10/1/2015 18:00	2015	10	1	18	2,396
10/1/2015 19:00	2015	10	1	19	2,439
10/1/2015 20:00	2015	10	1	20	2,272
10/1/2015 21:00	2015	10	1	21	2,230
10/1/2015 22:00	2015	10	1	22	2,063
10/1/2015 23:00	2015	10	1	23	1,933
10/2/2015 0:00	2015	10	2	0	1,864
10/2/2015 1:00	2015	10	2	1	1,800
10/2/2015 2:00	2015	10	2	2	1,777
10/2/2015 3:00	2015	10	2	3	1,749
10/2/2015 4:00	2015	10	2	4	1,854
10/2/2015 5:00	2015	10	2	5	2,067
10/2/2015 6:00	2015	10	2	6	2,267
10/2/2015 7:00	2015	10	2	7	2,326
10/2/2015 8:00	2015	10	2	8	2,405
10/2/2015 9:00	2015	10	2	9	2,418
10/2/2015 10:00	2015	10	2	10	2,386
10/2/2015 11:00	2015	10	2	11	2,426
10/2/2015 12:00	2015	10	2	12	2,397
10/2/2015 13:00	2015	10	2	13	2,379
10/2/2015 14:00	2015	10	2	14	2,268
10/2/2015 15:00	2015	10	2	15	2,259
10/2/2015 16:00	2015	10	2	16	2,319

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10/2/2015 17:00	2015	10	2	17	2,313
10/2/2015 18:00	2015	10	2	18	2,360
10/2/2015 19:00	2015	10	2	19	2,348
10/2/2015 20:00	2015	10	2	20	2,229
10/2/2015 21:00	2015	10	2	21	2,165
10/2/2015 22:00	2015	10	2	22	2,036
10/2/2015 23:00	2015	10	2	23	1,933
10/3/2015 0:00	2015	10	3	0	1,826
10/3/2015 1:00	2015	10	3	1	1,782
10/3/2015 2:00	2015	10	3	2	1,771
10/3/2015 3:00	2015	10	3	3	1,746
10/3/2015 4:00	2015	10	3	4	1,781
10/3/2015 5:00	2015	10	3	5	1,807
10/3/2015 6:00	2015	10	3	6	1,942
10/3/2015 7:00	2015	10	3	7	2,001
10/3/2015 8:00	2015	10	3	8	2,131
10/3/2015 9:00	2015	10	3	9	2,132
10/3/2015 10:00	2015	10	3	10	2,198
10/3/2015 11:00	2015	10	3	11	2,180
10/3/2015 12:00	2015	10	3	12	2,161
10/3/2015 13:00	2015	10	3	13	2,140
10/3/2015 14:00	2015	10	3	14	2,102
10/3/2015 15:00	2015	10	3	15	2,076
10/3/2015 16:00	2015	10	3	16	2,111
10/3/2015 17:00	2015	10	3	17	2,107
10/3/2015 18:00	2015	10	3	18	2,159
10/3/2015 19:00	2015	10	3	19	2,143
10/3/2015 20:00	2015	10	3	20	2,079
10/3/2015 21:00	2015	10	3	21	1,979
10/3/2015 22:00	2015	10	3	22	1,874
10/3/2015 23:00	2015	10	3	23	1,772
10/4/2015 0:00	2015	10	4	0	1,691
10/4/2015 1:00	2015	10	4	1	1,706
10/4/2015 2:00	2015	10	4	2	1,686
10/4/2015 3:00	2015	10	4	3	1,624
10/4/2015 4:00	2015	10	4	4	1,695
10/4/2015 5:00	2015	10	4	5	1,643
10/4/2015 6:00	2015	10	4	6	1,724
10/4/2015 7:00	2015	10	4	7	1,864
10/4/2015 8:00	2015	10	4	8	1,930
10/4/2015 9:00	2015	10	4	9	1,907
10/4/2015 10:00	2015	10	4	10	1,922



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10/4/2015 11:00	2015	10	4	11	1,997
10/4/2015 12:00	2015	10	4	12	1,935
10/4/2015 13:00	2015	10	4	13	1,940
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10/4/2015 15:00	2015	10	4	15	2,070
10/4/2015 16:00	2015	10	4	16	2,116
10/4/2015 17:00	2015	10	4	17	2,117
10/4/2015 18:00	2015	10	4	18	2,174
10/4/2015 19:00	2015	10	4	19	2,279
10/4/2015 20:00	2015	10	4	20	2,125
10/4/2015 21:00	2015	10	4	21	2,000
10/4/2015 22:00	2015	10	4	22	1,861
10/4/2015 23:00	2015	10	4	23	1,804
10/5/2015 0:00	2015	10	5	0	1,746
10/5/2015 1:00	2015	10	5	1	1,677
10/5/2015 2:00	2015	10	5	2	1,720
10/5/2015 3:00	2015	10	5	3	1,750
10/5/2015 4:00	2015	10	5	4	1,830
10/5/2015 5:00	2015	10	5	5	2,081
10/5/2015 6:00	2015	10	5	6	2,257
10/5/2015 7:00	2015	10	5	7	2,299
10/5/2015 8:00	2015	10	5	8	2,415
10/5/2015 9:00	2015	10	5	9	2,451
10/5/2015 10:00	2015	10	5	10	2,543
10/5/2015 11:00	2015	10	5	11	2,626
10/5/2015 12:00	2015	10	5	12	2,693
10/5/2015 13:00	2015	10	5	13	2,743
10/5/2015 14:00	2015	10	5	14	2,777
10/5/2015 15:00	2015	10	5	15	2,816
10/5/2015 16:00	2015	10	5	16	2,827
10/5/2015 17:00	2015	10	5	17	2,781
10/5/2015 18:00	2015	10	5	18	2,730
10/5/2015 19:00	2015	10	5	19	2,684
10/5/2015 20:00	2015	10	5	20	2,561
10/5/2015 21:00	2015	10	5	21	2,417
10/5/2015 22:00	2015	10	5	22	2,210
10/5/2015 23:00	2015	10	5	23	2,053
10/6/2015 0:00	2015	10	6	0	1,921
10/6/2015 1:00	2015	10	6	1	1,883
10/6/2015 2:00	2015	10	6	2	1,841
10/6/2015 3:00	2015	10	6	3	1,838
10/6/2015 4:00	2015	10	6	4	1,873

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10/6/2015 5:00	2015	10	6	5	2,078
10/6/2015 6:00	2015	10	6	6	2,226
10/6/2015 7:00	2015	10	6	7	2,270
10/6/2015 8:00	2015	10	6	8	2,402
10/6/2015 9:00	2015	10	6	9	2,478
10/6/2015 10:00	2015	10	6	10	2,557
10/6/2015 11:00	2015	10	6	11	2,622
10/6/2015 12:00	2015	10	6	12	2,715
10/6/2015 13:00	2015	10	6	13	2,826
10/6/2015 14:00	2015	10	6	14	2,906
10/6/2015 15:00	2015	10	6	15	2,908
10/6/2015 16:00	2015	10	6	16	2,832
10/6/2015 17:00	2015	10	6	17	2,807
10/6/2015 18:00	2015	10	6	18	2,804
10/6/2015 19:00	2015	10	6	19	2,791
10/6/2015 20:00	2015	10	6	20	2,606
10/6/2015 21:00	2015	10	6	21	2,405
10/6/2015 22:00	2015	10	6	22	2,229
10/6/2015 23:00	2015	10	6	23	2,070
10/7/2015 0:00	2015	10	7	0	1,925
10/7/2015 1:00	2015	10	7	1	1,849
10/7/2015 2:00	2015	10	7	2	1,791
10/7/2015 3:00	2015	10	7	3	1,758
10/7/2015 4:00	2015	10	7	4	1,883
10/7/2015 5:00	2015	10	7	5	2,135
10/7/2015 6:00	2015	10	7	6	2,241
10/7/2015 7:00	2015	10	7	7	2,354
10/7/2015 8:00	2015	10	7	8	2,423
10/7/2015 9:00	2015	10	7	9	2,489
10/7/2015 10:00	2015	10	7	10	2,609
10/7/2015 11:00	2015	10	7	11	2,695
10/7/2015 12:00	2015	10	7	12	2,825
10/7/2015 13:00	2015	10	7	13	2,871
10/7/2015 14:00	2015	10	7	14	2,953
10/7/2015 15:00	2015	10	7	15	2,952
10/7/2015 16:00	2015	10	7	16	2,898
10/7/2015 17:00	2015	10	7	17	2,892
10/7/2015 18:00	2015	10	7	18	2,814
10/7/2015 19:00	2015	10	7	19	2,795
10/7/2015 20:00	2015	10	7	20	2,631
10/7/2015 21:00	2015	10	7	21	2,427
10/7/2015 22:00	2015	10	7	22	2,240

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10/7/2015 23:00	2015	10	7	23	2,104
10/8/2015 0:00	2015	10	8	0	1,975
10/8/2015 1:00	2015	10	8	1	1,901
10/8/2015 2:00	2015	10	8	2	1,846
10/8/2015 3:00	2015	10	8	3	1,828
10/8/2015 4:00	2015	10	8	4	1,911
10/8/2015 5:00	2015	10	8	5	2,115
10/8/2015 6:00	2015	10	8	6	2,312
10/8/2015 7:00	2015	10	8	7	2,381
10/8/2015 8:00	2015	10	8	8	2,482
10/8/2015 9:00	2015	10	8	9	2,574
10/8/2015 10:00	2015	10	8	10	2,662
10/8/2015 11:00	2015	10	8	11	2,776
10/8/2015 12:00	2015	10	8	12	2,891
10/8/2015 13:00	2015	10	8	13	2,904
10/8/2015 14:00	2015	10	8	14	2,985
10/8/2015 15:00	2015	10	8	15	3,005
10/8/2015 16:00	2015	10	8	16	2,934
10/8/2015 17:00	2015	10	8	17	2,924
10/8/2015 18:00	2015	10	8	18	2,841
10/8/2015 19:00	2015	10	8	19	2,816
10/8/2015 20:00	2015	10	8	20	2,618
10/8/2015 21:00	2015	10	8	21	2,450
10/8/2015 22:00	2015	10	8	22	2,278
10/8/2015 23:00	2015	10	8	23	2,062
10/9/2015 0:00	2015	10	9	0	2,016
10/9/2015 1:00	2015	10	9	1	1,921
10/9/2015 2:00	2015	10	9	2	1,874
10/9/2015 3:00	2015	10	9	3	1,845
10/9/2015 4:00	2015	10	9	4	1,982
10/9/2015 5:00	2015	10	9	5	2,119
10/9/2015 6:00	2015	10	9	6	2,309
10/9/2015 7:00	2015	10	9	7	2,342
10/9/2015 8:00	2015	10	9	8	2,482
10/9/2015 9:00	2015	10	9	9	2,611
10/9/2015 10:00	2015	10	9	10	2,665
10/9/2015 11:00	2015	10	9	11	2,704
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10/9/2015 15:00	2015	10	9	15	2,588
10/9/2015 16:00	2015	10	9	16	2,484

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10/9/2015 17:00	2015	10	9	17	2,472
10/9/2015 18:00	2015	10	9	18	2,480
10/9/2015 19:00	2015	10	9	19	2,423
10/9/2015 20:00	2015	10	9	20	2,339
10/9/2015 21:00	2015	10	9	21	2,205
10/9/2015 22:00	2015	10	9	22	2,049
10/9/2015 23:00	2015	10	9	23	1,947
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10/10/2015 2:00	2015	10	10	2	1,659
10/10/2015 3:00	2015	10	10	3	1,706
10/10/2015 4:00	2015	10	10	4	1,717
10/10/2015 5:00	2015	10	10	5	1,738
10/10/2015 6:00	2015	10	10	6	1,821
10/10/2015 7:00	2015	10	10	7	1,852
10/10/2015 8:00	2015	10	10	8	1,953
10/10/2015 9:00	2015	10	10	9	2,018
10/10/2015 10:00	2015	10	10	10	2,012
10/10/2015 11:00	2015	10	10	11	2,036
10/10/2015 12:00	2015	10	10	12	2,036
10/10/2015 13:00	2015	10	10	13	2,043
10/10/2015 14:00	2015	10	10	14	2,026
10/10/2015 15:00	2015	10	10	15	2,084
10/10/2015 16:00	2015	10	10	16	2,075
10/10/2015 17:00	2015	10	10	17	2,025
10/10/2015 18:00	2015	10	10	18	2,068
10/10/2015 19:00	2015	10	10	19	2,082
10/10/2015 20:00	2015	10	10	20	2,032
10/10/2015 21:00	2015	10	10	21	1,870
10/10/2015 22:00	2015	10	10	22	1,777
10/10/2015 23:00	2015	10	10	23	1,709
10/11/2015 0:00	2015	10	11	0	1,616
10/11/2015 1:00	2015	10	11	1	1,599
10/11/2015 2:00	2015	10	11	2	1,579
10/11/2015 3:00	2015	10	11	3	1,607
10/11/2015 4:00	2015	10	11	4	1,570
10/11/2015 5:00	2015	10	11	5	1,646
10/11/2015 6:00	2015	10	11	6	1,718
10/11/2015 7:00	2015	10	11	7	1,806
10/11/2015 8:00	2015	10	11	8	1,855
10/11/2015 9:00	2015	10	11	9	1,855
10/11/2015 10:00	2015	10	11	10	1,894

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10/11/2015 11:00	2015	10	11	11	1,972
10/11/2015 12:00	2015	10	11	12	1,946
10/11/2015 13:00	2015	10	11	13	1,971
10/11/2015 14:00	2015	10	11	14	1,925
10/11/2015 15:00	2015	10	11	15	2,005
10/11/2015 16:00	2015	10	11	16	2,116
10/11/2015 17:00	2015	10	11	17	2,113
10/11/2015 18:00	2015	10	11	18	2,091
10/11/2015 19:00	2015	10	11	19	2,153
10/11/2015 20:00	2015	10	11	20	2,071
10/11/2015 21:00	2015	10	11	21	1,910
10/11/2015 22:00	2015	10	11	22	1,812
10/11/2015 23:00	2015	10	11	23	1,742
10/12/2015 0:00	2015	10	12	0	1,675
10/12/2015 1:00	2015	10	12	1	1,624
10/12/2015 2:00	2015	10	12	2	1,598
10/12/2015 3:00	2015	10	12	3	1,643
10/12/2015 4:00	2015	10	12	4	1,776
10/12/2015 5:00	2015	10	12	5	2,097
10/12/2015 6:00	2015	10	12	6	2,224
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10/12/2015 9:00	2015	10	12	9	2,362
10/12/2015 10:00	2015	10	12	10	2,373
10/12/2015 11:00	2015	10	12	11	2,466
10/12/2015 12:00	2015	10	12	12	2,523
10/12/2015 13:00	2015	10	12	13	2,560
10/12/2015 14:00	2015	10	12	14	2,546
10/12/2015 15:00	2015	10	12	15	2,533
10/12/2015 16:00	2015	10	12	16	2,574
10/12/2015 17:00	2015	10	12	17	2,526
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10/12/2015 21:00	2015	10	12	21	2,327
10/12/2015 22:00	2015	10	12	22	2,135
10/12/2015 23:00	2015	10	12	23	1,991
10/13/2015 0:00	2015	10	13	0	1,888
10/13/2015 1:00	2015	10	13	1	1,821
10/13/2015 2:00	2015	10	13	2	1,762
10/13/2015 3:00	2015	10	13	3	1,801
10/13/2015 4:00	2015	10	13	4	1,908

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10/13/2015 5:00	2015	10	13	5	2,157
10/13/2015 6:00	2015	10	13	6	2,339
10/13/2015 7:00	2015	10	13	7	2,359
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10/13/2015 9:00	2015	10	13	9	2,420
10/13/2015 10:00	2015	10	13	10	2,495
10/13/2015 11:00	2015	10	13	11	2,531
10/13/2015 12:00	2015	10	13	12	2,548
10/13/2015 13:00	2015	10	13	13	2,499
10/13/2015 14:00	2015	10	13	14	2,523
10/13/2015 15:00	2015	10	13	15	2,484
10/13/2015 16:00	2015	10	13	16	2,428
10/13/2015 17:00	2015	10	13	17	2,425
10/13/2015 18:00	2015	10	13	18	2,506
10/13/2015 19:00	2015	10	13	19	2,495
10/13/2015 20:00	2015	10	13	20	2,372
10/13/2015 21:00	2015	10	13	21	2,214
10/13/2015 22:00	2015	10	13	22	2,051
10/13/2015 23:00	2015	10	13	23	1,940
10/14/2015 0:00	2015	10	14	0	1,869
10/14/2015 1:00	2015	10	14	1	1,795
10/14/2015 2:00	2015	10	14	2	1,774
10/14/2015 3:00	2015	10	14	3	1,767
10/14/2015 4:00	2015	10	14	4	1,903
10/14/2015 5:00	2015	10	14	5	2,165
10/14/2015 6:00	2015	10	14	6	2,373
10/14/2015 7:00	2015	10	14	7	2,320
10/14/2015 8:00	2015	10	14	8	2,355
10/14/2015 9:00	2015	10	14	9	2,391
10/14/2015 10:00	2015	10	14	10	2,440
10/14/2015 11:00	2015	10	14	11	2,446
10/14/2015 12:00	2015	10	14	12	2,491
10/14/2015 13:00	2015	10	14	13	2,484
10/14/2015 14:00	2015	10	14	14	2,475
10/14/2015 15:00	2015	10	14	15	2,438
10/14/2015 16:00	2015	10	14	16	2,441
10/14/2015 17:00	2015	10	14	17	2,386
10/14/2015 18:00	2015	10	14	18	2,449
10/14/2015 19:00	2015	10	14	19	2,404
10/14/2015 20:00	2015	10	14	20	2,304
10/14/2015 21:00	2015	10	14	21	2,157
10/14/2015 22:00	2015	10	14	22	2,030

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10/14/2015 23:00	2015	10	14	23	1,946
10/15/2015 0:00	2015	10	15	0	1,865
10/15/2015 1:00	2015	10	15	1	1,816
10/15/2015 2:00	2015	10	15	2	1,787
10/15/2015 3:00	2015	10	15	3	1,785
10/15/2015 4:00	2015	10	15	4	1,861
10/15/2015 5:00	2015	10	15	5	2,194
10/15/2015 6:00	2015	10	15	6	2,411
10/15/2015 7:00	2015	10	15	7	2,431
10/15/2015 8:00	2015	10	15	8	2,419
10/15/2015 9:00	2015	10	15	9	2,442
10/15/2015 10:00	2015	10	15	10	2,381
10/15/2015 11:00	2015	10	15	11	2,413
10/15/2015 12:00	2015	10	15	12	2,395
10/15/2015 13:00	2015	10	15	13	2,467
10/15/2015 14:00	2015	10	15	14	2,421
10/15/2015 15:00	2015	10	15	15	2,413
10/15/2015 16:00	2015	10	15	16	2,346
10/15/2015 17:00	2015	10	15	17	2,338
10/15/2015 18:00	2015	10	15	18	2,408
10/15/2015 19:00	2015	10	15	19	2,411
10/15/2015 20:00	2015	10	15	20	2,336
10/15/2015 21:00	2015	10	15	21	2,246
10/15/2015 22:00	2015	10	15	22	2,112
10/15/2015 23:00	2015	10	15	23	1,975
10/16/2015 0:00	2015	10	16	0	1,906
10/16/2015 1:00	2015	10	16	1	1,831
10/16/2015 2:00	2015	10	16	2	1,733
10/16/2015 3:00	2015	10	16	3	1,768
10/16/2015 4:00	2015	10	16	4	1,844
10/16/2015 5:00	2015	10	16	5	2,110
10/16/2015 6:00	2015	10	16	6	2,271
10/16/2015 7:00	2015	10	16	7	2,327
10/16/2015 8:00	2015	10	16	8	2,400
10/16/2015 9:00	2015	10	16	9	2,420
10/16/2015 10:00	2015	10	16	10	2,426
10/16/2015 11:00	2015	10	16	11	2,390
10/16/2015 12:00	2015	10	16	12	2,382
10/16/2015 13:00	2015	10	16	13	2,378
10/16/2015 14:00	2015	10	16	14	2,342
10/16/2015 15:00	2015	10	16	15	2,317
10/16/2015 16:00	2015	10	16	16	2,294

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10/16/2015 17:00	2015	10	16	17	2,286
10/16/2015 18:00	2015	10	16	18	2,310
10/16/2015 19:00	2015	10	16	19	2,310
10/16/2015 20:00	2015	10	16	20	2,232
10/16/2015 21:00	2015	10	16	21	2,193
10/16/2015 22:00	2015	10	16	22	2,057
10/16/2015 23:00	2015	10	16	23	1,964
10/17/2015 0:00	2015	10	17	0	1,912
10/17/2015 1:00	2015	10	17	1	1,841
10/17/2015 2:00	2015	10	17	2	1,826
10/17/2015 3:00	2015	10	17	3	1,850
10/17/2015 4:00	2015	10	17	4	1,926
10/17/2015 5:00	2015	10	17	5	1,996
10/17/2015 6:00	2015	10	17	6	2,124
10/17/2015 7:00	2015	10	17	7	2,242
10/17/2015 8:00	2015	10	17	8	2,280
10/17/2015 9:00	2015	10	17	9	2,194
10/17/2015 10:00	2015	10	17	10	2,173
10/17/2015 11:00	2015	10	17	11	2,104
10/17/2015 12:00	2015	10	17	12	2,077
10/17/2015 13:00	2015	10	17	13	2,029
10/17/2015 14:00	2015	10	17	14	2,027
10/17/2015 15:00	2015	10	17	15	1,976
10/17/2015 16:00	2015	10	17	16	2,024
10/17/2015 17:00	2015	10	17	17	2,047
10/17/2015 18:00	2015	10	17	18	2,146
10/17/2015 19:00	2015	10	17	19	2,186
10/17/2015 20:00	2015	10	17	20	2,126
10/17/2015 21:00	2015	10	17	21	2,054
10/17/2015 22:00	2015	10	17	22	2,025
10/17/2015 23:00	2015	10	17	23	1,945
10/18/2015 0:00	2015	10	18	0	1,927
10/18/2015 1:00	2015	10	18	1	1,889
10/18/2015 2:00	2015	10	18	2	1,956
10/18/2015 3:00	2015	10	18	3	1,966
10/18/2015 4:00	2015	10	18	4	2,033
10/18/2015 5:00	2015	10	18	5	2,131
10/18/2015 6:00	2015	10	18	6	2,241
10/18/2015 7:00	2015	10	18	7	2,330
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10/18/2015 9:00	2015	10	18	9	2,239
10/18/2015 10:00	2015	10	18	10	2,134



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10/18/2015 11:00	2015	10	18	11	2,089
10/18/2015 12:00	2015	10	18	12	2,010
10/18/2015 13:00	2015	10	18	13	2,015
10/18/2015 14:00	2015	10	18	14	1,966
10/18/2015 15:00	2015	10	18	15	1,981
10/18/2015 16:00	2015	10	18	16	2,007
10/18/2015 17:00	2015	10	18	17	2,087
10/18/2015 18:00	2015	10	18	18	2,212
10/18/2015 19:00	2015	10	18	19	2,265
10/18/2015 20:00	2015	10	18	20	2,224
10/18/2015 21:00	2015	10	18	21	2,151
10/18/2015 22:00	2015	10	18	22	2,071
10/18/2015 23:00	2015	10	18	23	2,037
10/19/2015 0:00	2015	10	19	0	1,955
10/19/2015 1:00	2015	10	19	1	2,017
10/19/2015 2:00	2015	10	19	2	2,031
10/19/2015 3:00	2015	10	19	3	2,151
10/19/2015 4:00	2015	10	19	4	2,272
10/19/2015 5:00	2015	10	19	5	2,599
10/19/2015 6:00	2015	10	19	6	2,826
10/19/2015 7:00	2015	10	19	7	2,832
10/19/2015 8:00	2015	10	19	8	2,816
10/19/2015 9:00	2015	10	19	9	2,698
10/19/2015 10:00	2015	10	19	10	2,617
10/19/2015 11:00	2015	10	19	11	2,521
10/19/2015 12:00	2015	10	19	12	2,454
10/19/2015 13:00	2015	10	19	13	2,449
10/19/2015 14:00	2015	10	19	14	2,377
10/19/2015 15:00	2015	10	19	15	2,373
10/19/2015 16:00	2015	10	19	16	2,381
10/19/2015 17:00	2015	10	19	17	2,402
10/19/2015 18:00	2015	10	19	18	2,505
10/19/2015 19:00	2015	10	19	19	2,517
10/19/2015 20:00	2015	10	19	20	2,387
10/19/2015 21:00	2015	10	19	21	2,297
10/19/2015 22:00	2015	10	19	22	2,181
10/19/2015 23:00	2015	10	19	23	2,113
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10/20/2015 3:00	2015	10	20	3	2,003
10/20/2015 4:00	2015	10	20	4	2,122

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10/20/2015 5:00	2015	10	20	5	2,398
10/20/2015 6:00	2015	10	20	6	2,573
10/20/2015 7:00	2015	10	20	7	2,584
10/20/2015 8:00	2015	10	20	8	2,651
10/20/2015 9:00	2015	10	20	9	2,564
10/20/2015 10:00	2015	10	20	10	2,554
10/20/2015 11:00	2015	10	20	11	2,557
10/20/2015 12:00	2015	10	20	12	2,513
10/20/2015 13:00	2015	10	20	13	2,492
10/20/2015 14:00	2015	10	20	14	2,461
10/20/2015 15:00	2015	10	20	15	2,420
10/20/2015 16:00	2015	10	20	16	2,452
10/20/2015 17:00	2015	10	20	17	2,420
10/20/2015 18:00	2015	10	20	18	2,499
10/20/2015 19:00	2015	10	20	19	2,489
10/20/2015 20:00	2015	10	20	20	2,422
10/20/2015 21:00	2015	10	20	21	2,268
10/20/2015 22:00	2015	10	20	22	2,159
10/20/2015 23:00	2015	10	20	23	2,052
10/21/2015 0:00	2015	10	21	0	1,997
10/21/2015 1:00	2015	10	21	1	1,919
10/21/2015 2:00	2015	10	21	2	1,928
10/21/2015 3:00	2015	10	21	3	1,965
10/21/2015 4:00	2015	10	21	4	2,074
10/21/2015 5:00	2015	10	21	5	2,355
10/21/2015 6:00	2015	10	21	6	2,562
10/21/2015 7:00	2015	10	21	7	2,592
10/21/2015 8:00	2015	10	21	8	2,533
10/21/2015 9:00	2015	10	21	9	2,531
10/21/2015 10:00	2015	10	21	10	2,465
10/21/2015 11:00	2015	10	21	11	2,480
10/21/2015 12:00	2015	10	21	12	2,457
10/21/2015 13:00	2015	10	21	13	2,496
10/21/2015 14:00	2015	10	21	14	2,455
10/21/2015 15:00	2015	10	21	15	2,478
10/21/2015 16:00	2015	10	21	16	2,468
10/21/2015 17:00	2015	10	21	17	2,448
10/21/2015 18:00	2015	10	21	18	2,546
10/21/2015 19:00	2015	10	21	19	2,499
10/21/2015 20:00	2015	10	21	20	2,459
10/21/2015 21:00	2015	10	21	21	2,246
10/21/2015 22:00	2015	10	21	22	2,133

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10/21/2015 23:00	2015	10	21	23	2,014
10/22/2015 0:00	2015	10	22	0	1,867
10/22/2015 1:00	2015	10	22	1	1,849
10/22/2015 2:00	2015	10	22	2	1,817
10/22/2015 3:00	2015	10	22	3	1,863
10/22/2015 4:00	2015	10	22	4	1,988
10/22/2015 5:00	2015	10	22	5	2,244
10/22/2015 6:00	2015	10	22	6	2,427
10/22/2015 7:00	2015	10	22	7	2,457
10/22/2015 8:00	2015	10	22	8	2,478
10/22/2015 9:00	2015	10	22	9	2,509
10/22/2015 10:00	2015	10	22	10	2,475
10/22/2015 11:00	2015	10	22	11	2,575
10/22/2015 12:00	2015	10	22	12	2,524
10/22/2015 13:00	2015	10	22	13	2,585
10/22/2015 14:00	2015	10	22	14	2,625
10/22/2015 15:00	2015	10	22	15	2,590
10/22/2015 16:00	2015	10	22	16	2,584
10/22/2015 17:00	2015	10	22	17	2,535
10/22/2015 18:00	2015	10	22	18	2,624
10/22/2015 19:00	2015	10	22	19	2,547
10/22/2015 20:00	2015	10	22	20	2,421
10/22/2015 21:00	2015	10	22	21	2,239
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10/22/2015 23:00	2015	10	22	23	2,007
10/23/2015 0:00	2015	10	23	0	1,900
10/23/2015 1:00	2015	10	23	1	1,829
10/23/2015 2:00	2015	10	23	2	1,794
10/23/2015 3:00	2015	10	23	3	1,735
10/23/2015 4:00	2015	10	23	4	1,850
10/23/2015 5:00	2015	10	23	5	2,105
10/23/2015 6:00	2015	10	23	6	2,287
10/23/2015 7:00	2015	10	23	7	2,370
10/23/2015 8:00	2015	10	23	8	2,414
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10/23/2015 10:00	2015	10	23	10	2,500
10/23/2015 11:00	2015	10	23	11	2,499
10/23/2015 12:00	2015	10	23	12	2,613
10/23/2015 13:00	2015	10	23	13	2,561
10/23/2015 14:00	2015	10	23	14	2,535
10/23/2015 15:00	2015	10	23	15	2,493
10/23/2015 16:00	2015	10	23	16	2,463

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10/23/2015 17:00	2015	10	23	17	2,459
10/23/2015 18:00	2015	10	23	18	2,456
10/23/2015 19:00	2015	10	23	19	2,412
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10/23/2015 23:00	2015	10	23	23	1,945
10/24/2015 0:00	2015	10	24	0	1,801
10/24/2015 1:00	2015	10	24	1	1,773
10/24/2015 2:00	2015	10	24	2	1,695
10/24/2015 3:00	2015	10	24	3	1,701
10/24/2015 4:00	2015	10	24	4	1,716
10/24/2015 5:00	2015	10	24	5	1,801
10/24/2015 6:00	2015	10	24	6	1,912
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10/24/2015 8:00	2015	10	24	8	2,066
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10/24/2015 11:00	2015	10	24	11	2,091
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10/24/2015 13:00	2015	10	24	13	2,103
10/24/2015 14:00	2015	10	24	14	2,111
10/24/2015 15:00	2015	10	24	15	2,054
10/24/2015 16:00	2015	10	24	16	2,115
10/24/2015 17:00	2015	10	24	17	2,181
10/24/2015 18:00	2015	10	24	18	2,203
10/24/2015 19:00	2015	10	24	19	2,169
10/24/2015 20:00	2015	10	24	20	2,048
10/24/2015 21:00	2015	10	24	21	1,971
10/24/2015 22:00	2015	10	24	22	1,887
10/24/2015 23:00	2015	10	24	23	1,793
10/25/2015 0:00	2015	10	25	0	1,710
10/25/2015 1:00	2015	10	25	1	1,639
10/25/2015 2:00	2015	10	25	2	1,626
10/25/2015 3:00	2015	10	25	3	1,585
10/25/2015 4:00	2015	10	25	4	1,624
10/25/2015 5:00	2015	10	25	5	1,656
10/25/2015 6:00	2015	10	25	6	1,747
10/25/2015 7:00	2015	10	25	7	1,816
10/25/2015 8:00	2015	10	25	8	1,938
10/25/2015 9:00	2015	10	25	9	1,973
10/25/2015 10:00	2015	10	25	10	1,974

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10/25/2015 11:00	2015	10	25	11	1,987
10/25/2015 12:00	2015	10	25	12	1,960
10/25/2015 13:00	2015	10	25	13	1,971
10/25/2015 14:00	2015	10	25	14	1,952
10/25/2015 15:00	2015	10	25	15	1,977
10/25/2015 16:00	2015	10	25	16	1,992
10/25/2015 17:00	2015	10	25	17	2,078
10/25/2015 18:00	2015	10	25	18	2,153
10/25/2015 19:00	2015	10	25	19	2,128
10/25/2015 20:00	2015	10	25	20	2,062
10/25/2015 21:00	2015	10	25	21	1,965
10/25/2015 22:00	2015	10	25	22	1,827
10/25/2015 23:00	2015	10	25	23	1,705
10/26/2015 0:00	2015	10	26	0	1,682
10/26/2015 1:00	2015	10	26	1	1,635
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10/26/2015 3:00	2015	10	26	3	1,707
10/26/2015 4:00	2015	10	26	4	1,917
10/26/2015 5:00	2015	10	26	5	2,162
10/26/2015 6:00	2015	10	26	6	2,391
10/26/2015 7:00	2015	10	26	7	2,387
10/26/2015 8:00	2015	10	26	8	2,445
10/26/2015 9:00	2015	10	26	9	2,445
10/26/2015 10:00	2015	10	26	10	2,473
10/26/2015 11:00	2015	10	26	11	2,467
10/26/2015 12:00	2015	10	26	12	2,405
10/26/2015 13:00	2015	10	26	13	2,408
10/26/2015 14:00	2015	10	26	14	2,352
10/26/2015 15:00	2015	10	26	15	2,301
10/26/2015 16:00	2015	10	26	16	2,367
10/26/2015 17:00	2015	10	26	17	2,413
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10/27/2015 3:00	2015	10	27	3	1,834
10/27/2015 4:00	2015	10	27	4	1,944

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10/27/2015 5:00	2015	10	27	5	2,211
10/27/2015 6:00	2015	10	27	6	2,453
10/27/2015 7:00	2015	10	27	7	2,478
10/27/2015 8:00	2015	10	27	8	2,536
10/27/2015 9:00	2015	10	27	9	2,531
10/27/2015 10:00	2015	10	27	10	2,467
10/27/2015 11:00	2015	10	27	11	2,446
10/27/2015 12:00	2015	10	27	12	2,435
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10/27/2015 14:00	2015	10	27	14	2,409
10/27/2015 15:00	2015	10	27	15	2,406
10/27/2015 16:00	2015	10	27	16	2,414
10/27/2015 17:00	2015	10	27	17	2,511
10/27/2015 18:00	2015	10	27	18	2,552
10/27/2015 19:00	2015	10	27	19	2,496
10/27/2015 20:00	2015	10	27	20	2,397
10/27/2015 21:00	2015	10	27	21	2,252
10/27/2015 22:00	2015	10	27	22	2,123
10/27/2015 23:00	2015	10	27	23	2,018
10/28/2015 0:00	2015	10	28	0	1,919
10/28/2015 1:00	2015	10	28	1	1,863
10/28/2015 2:00	2015	10	28	2	1,863
10/28/2015 3:00	2015	10	28	3	1,832
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10/28/2015 6:00	2015	10	28	6	2,348
10/28/2015 7:00	2015	10	28	7	2,397
10/28/2015 8:00	2015	10	28	8	2,404
10/28/2015 9:00	2015	10	28	9	2,432
10/28/2015 10:00	2015	10	28	10	2,427
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10/28/2015 13:00	2015	10	28	13	2,391
10/28/2015 14:00	2015	10	28	14	2,371
10/28/2015 15:00	2015	10	28	15	2,324
10/28/2015 16:00	2015	10	28	16	2,340
10/28/2015 17:00	2015	10	28	17	2,334
10/28/2015 18:00	2015	10	28	18	2,458
10/28/2015 19:00	2015	10	28	19	2,419
10/28/2015 20:00	2015	10	28	20	2,347
10/28/2015 21:00	2015	10	28	21	2,196
10/28/2015 22:00	2015	10	28	22	2,083

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10/28/2015 23:00	2015	10	28	23	1,944
10/29/2015 0:00	2015	10	29	0	1,855
10/29/2015 1:00	2015	10	29	1	1,759
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10/29/2015 3:00	2015	10	29	3	1,760
10/29/2015 4:00	2015	10	29	4	1,885
10/29/2015 5:00	2015	10	29	5	2,133
10/29/2015 6:00	2015	10	29	6	2,348
10/29/2015 7:00	2015	10	29	7	2,362
10/29/2015 8:00	2015	10	29	8	2,377
10/29/2015 9:00	2015	10	29	9	2,385
10/29/2015 10:00	2015	10	29	10	2,350
10/29/2015 11:00	2015	10	29	11	2,336
10/29/2015 12:00	2015	10	29	12	2,316
10/29/2015 13:00	2015	10	29	13	2,302
10/29/2015 14:00	2015	10	29	14	2,272
10/29/2015 15:00	2015	10	29	15	2,243
10/29/2015 16:00	2015	10	29	16	2,198
10/29/2015 17:00	2015	10	29	17	2,254
10/29/2015 18:00	2015	10	29	18	2,391
10/29/2015 19:00	2015	10	29	19	2,387
10/29/2015 20:00	2015	10	29	20	2,311
10/29/2015 21:00	2015	10	29	21	2,195
10/29/2015 22:00	2015	10	29	22	2,108
10/29/2015 23:00	2015	10	29	23	2,111
10/30/2015 0:00	2015	10	30	0	2,027
10/30/2015 1:00	2015	10	30	1	2,013
10/30/2015 2:00	2015	10	30	2	1,991
10/30/2015 3:00	2015	10	30	3	2,002
10/30/2015 4:00	2015	10	30	4	2,147
10/30/2015 5:00	2015	10	30	5	2,453
10/30/2015 6:00	2015	10	30	6	2,637
10/30/2015 7:00	2015	10	30	7	2,664
10/30/2015 8:00	2015	10	30	8	2,627
10/30/2015 9:00	2015	10	30	9	2,580
10/30/2015 10:00	2015	10	30	10	2,535
10/30/2015 11:00	2015	10	30	11	2,437
10/30/2015 12:00	2015	10	30	12	2,373
10/30/2015 13:00	2015	10	30	13	2,313
10/30/2015 14:00	2015	10	30	14	2,298
10/30/2015 15:00	2015	10	30	15	2,295
10/30/2015 16:00	2015	10	30	16	2,272

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10/30/2015 17:00	2015	10	30	17	2,280
10/30/2015 18:00	2015	10	30	18	2,376
10/30/2015 19:00	2015	10	30	19	2,376
10/30/2015 20:00	2015	10	30	20	2,305
10/30/2015 21:00	2015	10	30	21	2,258
10/30/2015 22:00	2015	10	30	22	2,213
10/30/2015 23:00	2015	10	30	23	2,156
10/31/2015 0:00	2015	10	31	0	2,072
10/31/2015 1:00	2015	10	31	1	2,020
10/31/2015 2:00	2015	10	31	2	2,001
10/31/2015 3:00	2015	10	31	3	1,980
10/31/2015 4:00	2015	10	31	4	2,011
10/31/2015 5:00	2015	10	31	5	2,056
10/31/2015 6:00	2015	10	31	6	2,124
10/31/2015 7:00	2015	10	31	7	2,185
10/31/2015 8:00	2015	10	31	8	2,237
10/31/2015 9:00	2015	10	31	9	2,251
10/31/2015 10:00	2015	10	31	10	2,231
10/31/2015 11:00	2015	10	31	11	2,167
10/31/2015 12:00	2015	10	31	12	2,101
10/31/2015 13:00	2015	10	31	13	2,064
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10/31/2015 15:00	2015	10	31	15	2,019
10/31/2015 16:00	2015	10	31	16	1,966
10/31/2015 17:00	2015	10	31	17	2,001
10/31/2015 18:00	2015	10	31	18	2,112
10/31/2015 19:00	2015	10	31	19	2,105
10/31/2015 20:00	2015	10	31	20	2,045
10/31/2015 21:00	2015	10	31	21	1,955
10/31/2015 22:00	2015	10	31	22	1,885
10/31/2015 23:00	2015	10	31	23	1,827
11/1/2015 0:00	2015	11	1	0	1,756
11/1/2015 1:00	2015	11	1	1	1,716
11/1/2015 2:00	2015	11	1	2	1,681
11/1/2015 3:00	2015	11	1	3	1,648
11/1/2015 4:00	2015	11	1	4	1,623
11/1/2015 5:00	2015	11	1	5	1,654
11/1/2015 6:00	2015	11	1	6	1,709
11/1/2015 7:00	2015	11	1	7	1,769
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11/1/2015 9:00	2015	11	1	9	1,960
11/1/2015 10:00	2015	11	1	10	1,952



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11/1/2015 11:00	2015	11	1	11	1,923
11/1/2015 12:00	2015	11	1	12	1,949
11/1/2015 13:00	2015	11	1	13	1,938
11/1/2015 14:00	2015	11	1	14	1,920
11/1/2015 15:00	2015	11	1	15	1,933
11/1/2015 16:00	2015	11	1	16	1,989
11/1/2015 17:00	2015	11	1	17	2,076
11/1/2015 18:00	2015	11	1	18	2,150
11/1/2015 19:00	2015	11	1	19	2,094
11/1/2015 20:00	2015	11	1	20	2,146
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11/1/2015 22:00	2015	11	1	22	1,964
11/1/2015 23:00	2015	11	1	23	1,849
11/2/2015 0:00	2015	11	2	0	1,791
11/2/2015 1:00	2015	11	2	1	1,708
11/2/2015 2:00	2015	11	2	2	1,747
11/2/2015 3:00	2015	11	2	3	1,767
11/2/2015 4:00	2015	11	2	4	1,816
11/2/2015 5:00	2015	11	2	5	1,912
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11/2/2015 7:00	2015	11	2	7	2,310
11/2/2015 8:00	2015	11	2	8	2,356
11/2/2015 9:00	2015	11	2	9	2,437
11/2/2015 10:00	2015	11	2	10	2,462
11/2/2015 11:00	2015	11	2	11	2,372
11/2/2015 12:00	2015	11	2	12	2,358
11/2/2015 13:00	2015	11	2	13	2,360
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11/2/2015 15:00	2015	11	2	15	2,308
11/2/2015 16:00	2015	11	2	16	2,303
11/2/2015 17:00	2015	11	2	17	2,314
11/2/2015 18:00	2015	11	2	18	2,405
11/2/2015 19:00	2015	11	2	19	2,376
11/2/2015 20:00	2015	11	2	20	2,318
11/2/2015 21:00	2015	11	2	21	2,204
11/2/2015 22:00	2015	11	2	22	2,102
11/2/2015 23:00	2015	11	2	23	2,055
11/3/2015 0:00	2015	11	3	0	1,965
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11/3/2015 2:00	2015	11	3	2	1,863
11/3/2015 3:00	2015	11	3	3	1,860
11/3/2015 4:00	2015	11	3	4	1,869

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11/3/2015 5:00	2015	11	3	5	1,991
11/3/2015 6:00	2015	11	3	6	2,205
11/3/2015 7:00	2015	11	3	7	2,370
11/3/2015 8:00	2015	11	3	8	2,368
11/3/2015 9:00	2015	11	3	9	2,440
11/3/2015 10:00	2015	11	3	10	2,448
11/3/2015 11:00	2015	11	3	11	2,444
11/3/2015 12:00	2015	11	3	12	2,489
11/3/2015 13:00	2015	11	3	13	2,520
11/3/2015 14:00	2015	11	3	14	2,537
11/3/2015 15:00	2015	11	3	15	2,495
11/3/2015 16:00	2015	11	3	16	2,508
11/3/2015 17:00	2015	11	3	17	2,498
11/3/2015 18:00	2015	11	3	18	2,572
11/3/2015 19:00	2015	11	3	19	2,511
11/3/2015 20:00	2015	11	3	20	2,446
11/3/2015 21:00	2015	11	3	21	2,321
11/3/2015 22:00	2015	11	3	22	2,166
11/3/2015 23:00	2015	11	3	23	2,042
11/4/2015 0:00	2015	11	4	0	1,925
11/4/2015 1:00	2015	11	4	1	1,851
11/4/2015 2:00	2015	11	4	2	1,775
11/4/2015 3:00	2015	11	4	3	1,760
11/4/2015 4:00	2015	11	4	4	1,768
11/4/2015 5:00	2015	11	4	5	1,925
11/4/2015 6:00	2015	11	4	6	2,145
11/4/2015 7:00	2015	11	4	7	2,228
11/4/2015 8:00	2015	11	4	8	2,290
11/4/2015 9:00	2015	11	4	9	2,380
11/4/2015 10:00	2015	11	4	10	2,467
11/4/2015 11:00	2015	11	4	11	2,492
11/4/2015 12:00	2015	11	4	12	2,512
11/4/2015 13:00	2015	11	4	13	2,546
11/4/2015 14:00	2015	11	4	14	2,574
11/4/2015 15:00	2015	11	4	15	2,511
11/4/2015 16:00	2015	11	4	16	2,446
11/4/2015 17:00	2015	11	4	17	2,526
11/4/2015 18:00	2015	11	4	18	2,633
11/4/2015 19:00	2015	11	4	19	2,595
11/4/2015 20:00	2015	11	4	20	2,545
11/4/2015 21:00	2015	11	4	21	2,386
11/4/2015 22:00	2015	11	4	22	2,267

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11/4/2015 23:00	2015	11	4	23	2,070
11/5/2015 0:00	2015	11	5	0	1,972
11/5/2015 1:00	2015	11	5	1	1,875
11/5/2015 2:00	2015	11	5	2	1,821
11/5/2015 3:00	2015	11	5	3	1,797
11/5/2015 4:00	2015	11	5	4	1,804
11/5/2015 5:00	2015	11	5	5	1,913
11/5/2015 6:00	2015	11	5	6	2,153
11/5/2015 7:00	2015	11	5	7	2,317
11/5/2015 8:00	2015	11	5	8	2,354
11/5/2015 9:00	2015	11	5	9	2,453
11/5/2015 10:00	2015	11	5	10	2,476
11/5/2015 11:00	2015	11	5	11	2,510
11/5/2015 12:00	2015	11	5	12	2,531
11/5/2015 13:00	2015	11	5	13	2,577
11/5/2015 14:00	2015	11	5	14	2,596
11/5/2015 15:00	2015	11	5	15	2,556
11/5/2015 16:00	2015	11	5	16	2,491
11/5/2015 17:00	2015	11	5	17	2,555
11/5/2015 18:00	2015	11	5	18	2,526
11/5/2015 19:00	2015	11	5	19	2,509
11/5/2015 20:00	2015	11	5	20	2,478
11/5/2015 21:00	2015	11	5	21	2,402
11/5/2015 22:00	2015	11	5	22	2,280
11/5/2015 23:00	2015	11	5	23	2,108
11/6/2015 0:00	2015	11	6	0	2,019
11/6/2015 1:00	2015	11	6	1	1,904
11/6/2015 2:00	2015	11	6	2	1,806
11/6/2015 3:00	2015	11	6	3	1,756
11/6/2015 4:00	2015	11	6	4	1,757
11/6/2015 5:00	2015	11	6	5	1,932
11/6/2015 6:00	2015	11	6	6	2,095
11/6/2015 7:00	2015	11	6	7	2,233
11/6/2015 8:00	2015	11	6	8	2,357
11/6/2015 9:00	2015	11	6	9	2,423
11/6/2015 10:00	2015	11	6	10	2,473
11/6/2015 11:00	2015	11	6	11	2,452
11/6/2015 12:00	2015	11	6	12	2,377
11/6/2015 13:00	2015	11	6	13	2,388
11/6/2015 14:00	2015	11	6	14	2,349
11/6/2015 15:00	2015	11	6	15	2,378
11/6/2015 16:00	2015	11	6	16	2,310

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11/6/2015 17:00	2015	11	6	17	2,408
11/6/2015 18:00	2015	11	6	18	2,400
11/6/2015 19:00	2015	11	6	19	2,263
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11/7/2015 0:00	2015	11	7	0	1,825
11/7/2015 1:00	2015	11	7	1	1,772
11/7/2015 2:00	2015	11	7	2	1,670
11/7/2015 3:00	2015	11	7	3	1,640
11/7/2015 4:00	2015	11	7	4	1,604
11/7/2015 5:00	2015	11	7	5	1,670
11/7/2015 6:00	2015	11	7	6	1,800
11/7/2015 7:00	2015	11	7	7	1,865
11/7/2015 8:00	2015	11	7	8	1,966
11/7/2015 9:00	2015	11	7	9	1,992
11/7/2015 10:00	2015	11	7	10	2,115
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11/7/2015 12:00	2015	11	7	12	2,010
11/7/2015 13:00	2015	11	7	13	1,981
11/7/2015 14:00	2015	11	7	14	1,961
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11/7/2015 16:00	2015	11	7	16	1,929
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11/7/2015 18:00	2015	11	7	18	2,159
11/7/2015 19:00	2015	11	7	19	2,109
11/7/2015 20:00	2015	11	7	20	2,144
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11/7/2015 22:00	2015	11	7	22	2,028
11/7/2015 23:00	2015	11	7	23	1,929
11/8/2015 0:00	2015	11	8	0	1,843
11/8/2015 1:00	2015	11	8	1	1,828
11/8/2015 2:00	2015	11	8	2	1,790
11/8/2015 3:00	2015	11	8	3	1,773
11/8/2015 4:00	2015	11	8	4	1,771
11/8/2015 5:00	2015	11	8	5	1,882
11/8/2015 6:00	2015	11	8	6	1,950
11/8/2015 7:00	2015	11	8	7	2,044
11/8/2015 8:00	2015	11	8	8	2,093
11/8/2015 9:00	2015	11	8	9	2,109
11/8/2015 10:00	2015	11	8	10	2,087

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11/8/2015 11:00	2015	11	8	11	1,984
11/8/2015 12:00	2015	11	8	12	1,988
11/8/2015 13:00	2015	11	8	13	1,923
11/8/2015 14:00	2015	11	8	14	1,861
11/8/2015 15:00	2015	11	8	15	1,848
11/8/2015 16:00	2015	11	8	16	1,884
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11/8/2015 18:00	2015	11	8	18	2,213
11/8/2015 19:00	2015	11	8	19	2,252
11/8/2015 20:00	2015	11	8	20	2,247
11/8/2015 21:00	2015	11	8	21	2,186
11/8/2015 22:00	2015	11	8	22	2,136
11/8/2015 23:00	2015	11	8	23	2,022
11/9/2015 0:00	2015	11	9	0	1,972
11/9/2015 1:00	2015	11	9	1	1,971
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11/9/2015 3:00	2015	11	9	3	1,992
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11/9/2015 5:00	2015	11	9	5	2,119
11/9/2015 6:00	2015	11	9	6	2,377
11/9/2015 7:00	2015	11	9	7	2,555
11/9/2015 8:00	2015	11	9	8	2,561
11/9/2015 9:00	2015	11	9	9	2,570
11/9/2015 10:00	2015	11	9	10	2,526
11/9/2015 11:00	2015	11	9	11	2,525
11/9/2015 12:00	2015	11	9	12	2,526
11/9/2015 13:00	2015	11	9	13	2,473
11/9/2015 14:00	2015	11	9	14	2,427
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11/9/2015 17:00	2015	11	9	17	2,460
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11/9/2015 19:00	2015	11	9	19	2,498
11/9/2015 20:00	2015	11	9	20	2,463
11/9/2015 21:00	2015	11	9	21	2,357
11/9/2015 22:00	2015	11	9	22	2,214
11/9/2015 23:00	2015	11	9	23	2,107
11/10/2015 0:00	2015	11	10	0	1,999
11/10/2015 1:00	2015	11	10	1	1,943
11/10/2015 2:00	2015	11	10	2	1,882
11/10/2015 3:00	2015	11	10	3	1,861
11/10/2015 4:00	2015	11	10	4	1,933

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11/10/2015 5:00	2015	11	10	5	2,021
11/10/2015 6:00	2015	11	10	6	2,270
11/10/2015 7:00	2015	11	10	7	2,410
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11/10/2015 9:00	2015	11	10	9	2,524
11/10/2015 10:00	2015	11	10	10	2,491
11/10/2015 11:00	2015	11	10	11	2,476
11/10/2015 12:00	2015	11	10	12	2,430
11/10/2015 13:00	2015	11	10	13	2,385
11/10/2015 14:00	2015	11	10	14	2,347
11/10/2015 15:00	2015	11	10	15	2,322
11/10/2015 16:00	2015	11	10	16	2,322
11/10/2015 17:00	2015	11	10	17	2,373
11/10/2015 18:00	2015	11	10	18	2,516
11/10/2015 19:00	2015	11	10	19	2,537
11/10/2015 20:00	2015	11	10	20	2,523
11/10/2015 21:00	2015	11	10	21	2,470
11/10/2015 22:00	2015	11	10	22	2,353
11/10/2015 23:00	2015	11	10	23	2,253
11/11/2015 0:00	2015	11	11	0	2,202
11/11/2015 1:00	2015	11	11	1	2,135
11/11/2015 2:00	2015	11	11	2	2,128
11/11/2015 3:00	2015	11	11	3	2,119
11/11/2015 4:00	2015	11	11	4	2,177
11/11/2015 5:00	2015	11	11	5	2,287
11/11/2015 6:00	2015	11	11	6	2,598
11/11/2015 7:00	2015	11	11	7	2,726
11/11/2015 8:00	2015	11	11	8	2,712
11/11/2015 9:00	2015	11	11	9	2,652
11/11/2015 10:00	2015	11	11	10	2,558
11/11/2015 11:00	2015	11	11	11	2,479
11/11/2015 12:00	2015	11	11	12	2,428
11/11/2015 13:00	2015	11	11	13	2,356
11/11/2015 14:00	2015	11	11	14	2,353
11/11/2015 15:00	2015	11	11	15	2,364
11/11/2015 16:00	2015	11	11	16	2,332
11/11/2015 17:00	2015	11	11	17	2,421
11/11/2015 18:00	2015	11	11	18	2,559
11/11/2015 19:00	2015	11	11	19	2,497
11/11/2015 20:00	2015	11	11	20	2,460
11/11/2015 21:00	2015	11	11	21	2,362
11/11/2015 22:00	2015	11	11	22	2,229

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11/11/2015 23:00	2015	11	11	23	2,122
11/12/2015 0:00	2015	11	12	0	1,997
11/12/2015 1:00	2015	11	12	1	1,922
11/12/2015 2:00	2015	11	12	2	1,843
11/12/2015 3:00	2015	11	12	3	1,807
11/12/2015 4:00	2015	11	12	4	1,821
11/12/2015 5:00	2015	11	12	5	1,920
11/12/2015 6:00	2015	11	12	6	2,203
11/12/2015 7:00	2015	11	12	7	2,294
11/12/2015 8:00	2015	11	12	8	2,325
11/12/2015 9:00	2015	11	12	9	2,364
11/12/2015 10:00	2015	11	12	10	2,396
11/12/2015 11:00	2015	11	12	11	2,345
11/12/2015 12:00	2015	11	12	12	2,349
11/12/2015 13:00	2015	11	12	13	2,280
11/12/2015 14:00	2015	11	12	14	2,291
11/12/2015 15:00	2015	11	12	15	2,299
11/12/2015 16:00	2015	11	12	16	2,277
11/12/2015 17:00	2015	11	12	17	2,325
11/12/2015 18:00	2015	11	12	18	2,426
11/12/2015 19:00	2015	11	12	19	2,421
11/12/2015 20:00	2015	11	12	20	2,410
11/12/2015 21:00	2015	11	12	21	2,378
11/12/2015 22:00	2015	11	12	22	2,244
11/12/2015 23:00	2015	11	12	23	2,100
11/13/2015 0:00	2015	11	13	0	2,039
11/13/2015 1:00	2015	11	13	1	1,994
11/13/2015 2:00	2015	11	13	2	1,952
11/13/2015 3:00	2015	11	13	3	1,968
11/13/2015 4:00	2015	11	13	4	1,976
11/13/2015 5:00	2015	11	13	5	2,141
11/13/2015 6:00	2015	11	13	6	2,421
11/13/2015 7:00	2015	11	13	7	2,576
11/13/2015 8:00	2015	11	13	8	2,570
11/13/2015 9:00	2015	11	13	9	2,511
11/13/2015 10:00	2015	11	13	10	2,509
11/13/2015 11:00	2015	11	13	11	2,454
11/13/2015 12:00	2015	11	13	12	2,413
11/13/2015 13:00	2015	11	13	13	2,370
11/13/2015 14:00	2015	11	13	14	2,335
11/13/2015 15:00	2015	11	13	15	2,293
11/13/2015 16:00	2015	11	13	16	2,271

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11/13/2015 17:00	2015	11	13	17	2,378
11/13/2015 18:00	2015	11	13	18	2,519
11/13/2015 19:00	2015	11	13	19	2,482
11/13/2015 20:00	2015	11	13	20	2,467
11/13/2015 21:00	2015	11	13	21	2,415
11/13/2015 22:00	2015	11	13	22	2,348
11/13/2015 23:00	2015	11	13	23	2,274
11/14/2015 0:00	2015	11	14	0	2,220
11/14/2015 1:00	2015	11	14	1	2,169
11/14/2015 2:00	2015	11	14	2	2,154
11/14/2015 3:00	2015	11	14	3	2,185
11/14/2015 4:00	2015	11	14	4	2,219
11/14/2015 5:00	2015	11	14	5	2,285
11/14/2015 6:00	2015	11	14	6	2,395
11/14/2015 7:00	2015	11	14	7	2,518
11/14/2015 8:00	2015	11	14	8	2,534
11/14/2015 9:00	2015	11	14	9	2,436
11/14/2015 10:00	2015	11	14	10	2,335
11/14/2015 11:00	2015	11	14	11	2,253
11/14/2015 12:00	2015	11	14	12	2,136
11/14/2015 13:00	2015	11	14	13	2,093
11/14/2015 14:00	2015	11	14	14	2,011
11/14/2015 15:00	2015	11	14	15	1,987
11/14/2015 16:00	2015	11	14	16	2,008
11/14/2015 17:00	2015	11	14	17	2,116
11/14/2015 18:00	2015	11	14	18	2,253
11/14/2015 19:00	2015	11	14	19	2,275
11/14/2015 20:00	2015	11	14	20	2,310
11/14/2015 21:00	2015	11	14	21	2,295
11/14/2015 22:00	2015	11	14	22	2,233
11/14/2015 23:00	2015	11	14	23	2,108
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11/15/2015 2:00	2015	11	15	2	2,054
11/15/2015 3:00	2015	11	15	3	2,020
11/15/2015 4:00	2015	11	15	4	2,145
11/15/2015 5:00	2015	11	15	5	2,173
11/15/2015 6:00	2015	11	15	6	2,273
11/15/2015 7:00	2015	11	15	7	2,332
11/15/2015 8:00	2015	11	15	8	2,364
11/15/2015 9:00	2015	11	15	9	2,260
11/15/2015 10:00	2015	11	15	10	2,146



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11/15/2015 11:00	2015	11	15	11	2,062
11/15/2015 12:00	2015	11	15	12	2,022
11/15/2015 13:00	2015	11	15	13	1,966
11/15/2015 14:00	2015	11	15	14	1,962
11/15/2015 15:00	2015	11	15	15	1,956
11/15/2015 16:00	2015	11	15	16	1,995
11/15/2015 17:00	2015	11	15	17	2,074
11/15/2015 18:00	2015	11	15	18	2,205
11/15/2015 19:00	2015	11	15	19	2,220
11/15/2015 20:00	2015	11	15	20	2,179
11/15/2015 21:00	2015	11	15	21	2,169
11/15/2015 22:00	2015	11	15	22	2,177
11/15/2015 23:00	2015	11	15	23	2,092
11/16/2015 0:00	2015	11	16	0	2,050
11/16/2015 1:00	2015	11	16	1	1,984
11/16/2015 2:00	2015	11	16	2	1,993
11/16/2015 3:00	2015	11	16	3	1,989
11/16/2015 4:00	2015	11	16	4	2,080
11/16/2015 5:00	2015	11	16	5	2,297
11/16/2015 6:00	2015	11	16	6	2,637
11/16/2015 7:00	2015	11	16	7	2,792
11/16/2015 8:00	2015	11	16	8	2,788
11/16/2015 9:00	2015	11	16	9	2,736
11/16/2015 10:00	2015	11	16	10	2,679
11/16/2015 11:00	2015	11	16	11	2,605
11/16/2015 12:00	2015	11	16	12	2,542
11/16/2015 13:00	2015	11	16	13	2,518
11/16/2015 14:00	2015	11	16	14	2,489
11/16/2015 15:00	2015	11	16	15	2,495
11/16/2015 16:00	2015	11	16	16	2,466
11/16/2015 17:00	2015	11	16	17	2,546
11/16/2015 18:00	2015	11	16	18	2,624
11/16/2015 19:00	2015	11	16	19	2,546
11/16/2015 20:00	2015	11	16	20	2,552
11/16/2015 21:00	2015	11	16	21	2,452
11/16/2015 22:00	2015	11	16	22	2,294
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11/17/2015 3:00	2015	11	17	3	1,912
11/17/2015 4:00	2015	11	17	4	1,958

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11/17/2015 5:00	2015	11	17	5	2,086
11/17/2015 6:00	2015	11	17	6	2,333
11/17/2015 7:00	2015	11	17	7	2,503
11/17/2015 8:00	2015	11	17	8	2,507
11/17/2015 9:00	2015	11	17	9	2,523
11/17/2015 10:00	2015	11	17	10	2,531
11/17/2015 11:00	2015	11	17	11	2,488
11/17/2015 12:00	2015	11	17	12	2,480
11/17/2015 13:00	2015	11	17	13	2,451
11/17/2015 14:00	2015	11	17	14	2,408
11/17/2015 15:00	2015	11	17	15	2,366
11/17/2015 16:00	2015	11	17	16	2,351
11/17/2015 17:00	2015	11	17	17	2,501
11/17/2015 18:00	2015	11	17	18	2,525
11/17/2015 19:00	2015	11	17	19	2,548
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11/17/2015 21:00	2015	11	17	21	2,392
11/17/2015 22:00	2015	11	17	22	2,255
11/17/2015 23:00	2015	11	17	23	2,094
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11/18/2015 1:00	2015	11	18	1	1,899
11/18/2015 2:00	2015	11	18	2	1,837
11/18/2015 3:00	2015	11	18	3	1,805
11/18/2015 4:00	2015	11	18	4	1,837
11/18/2015 5:00	2015	11	18	5	1,940
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11/18/2015 7:00	2015	11	18	7	2,382
11/18/2015 8:00	2015	11	18	8	2,399
11/18/2015 9:00	2015	11	18	9	2,435
11/18/2015 10:00	2015	11	18	10	2,446
11/18/2015 11:00	2015	11	18	11	2,430
11/18/2015 12:00	2015	11	18	12	2,464
11/18/2015 13:00	2015	11	18	13	2,458
11/18/2015 14:00	2015	11	18	14	2,444
11/18/2015 15:00	2015	11	18	15	2,366
11/18/2015 16:00	2015	11	18	16	2,400
11/18/2015 17:00	2015	11	18	17	2,491
11/18/2015 18:00	2015	11	18	18	2,557
11/18/2015 19:00	2015	11	18	19	2,475
11/18/2015 20:00	2015	11	18	20	2,466
11/18/2015 21:00	2015	11	18	21	2,324
11/18/2015 22:00	2015	11	18	22	2,159

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11/18/2015 23:00	2015	11	18	23	2,076
11/19/2015 0:00	2015	11	19	0	1,959
11/19/2015 1:00	2015	11	19	1	1,864
11/19/2015 2:00	2015	11	19	2	1,787
11/19/2015 3:00	2015	11	19	3	1,820
11/19/2015 4:00	2015	11	19	4	1,831
11/19/2015 5:00	2015	11	19	5	1,983
11/19/2015 6:00	2015	11	19	6	2,298
11/19/2015 7:00	2015	11	19	7	2,433
11/19/2015 8:00	2015	11	19	8	2,432
11/19/2015 9:00	2015	11	19	9	2,400
11/19/2015 10:00	2015	11	19	10	2,392
11/19/2015 11:00	2015	11	19	11	2,382
11/19/2015 12:00	2015	11	19	12	2,344
11/19/2015 13:00	2015	11	19	13	2,317
11/19/2015 14:00	2015	11	19	14	2,315
11/19/2015 15:00	2015	11	19	15	2,284
11/19/2015 16:00	2015	11	19	16	2,333
11/19/2015 17:00	2015	11	19	17	2,295
11/19/2015 18:00	2015	11	19	18	2,464
11/19/2015 19:00	2015	11	19	19	2,469
11/19/2015 20:00	2015	11	19	20	2,482
11/19/2015 21:00	2015	11	19	21	2,449
11/19/2015 22:00	2015	11	19	22	2,318
11/19/2015 23:00	2015	11	19	23	2,194
11/20/2015 0:00	2015	11	20	0	2,170
11/20/2015 1:00	2015	11	20	1	2,186
11/20/2015 2:00	2015	11	20	2	2,159
11/20/2015 3:00	2015	11	20	3	2,156
11/20/2015 4:00	2015	11	20	4	2,238
11/20/2015 5:00	2015	11	20	5	2,465
11/20/2015 6:00	2015	11	20	6	2,743
11/20/2015 7:00	2015	11	20	7	2,928
11/20/2015 8:00	2015	11	20	8	2,910
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11/20/2015 10:00	2015	11	20	10	2,632
11/20/2015 11:00	2015	11	20	11	2,552
11/20/2015 12:00	2015	11	20	12	2,522
11/20/2015 13:00	2015	11	20	13	2,410
11/20/2015 14:00	2015	11	20	14	2,373
11/20/2015 15:00	2015	11	20	15	2,323
11/20/2015 16:00	2015	11	20	16	2,356

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11/20/2015 17:00	2015	11	20	17	2,462
11/20/2015 18:00	2015	11	20	18	2,598
11/20/2015 19:00	2015	11	20	19	2,603
11/20/2015 20:00	2015	11	20	20	2,604
11/20/2015 21:00	2015	11	20	21	2,559
11/20/2015 22:00	2015	11	20	22	2,497
11/20/2015 23:00	2015	11	20	23	2,420
11/21/2015 0:00	2015	11	21	0	2,325
11/21/2015 1:00	2015	11	21	1	2,262
11/21/2015 2:00	2015	11	21	2	2,259
11/21/2015 3:00	2015	11	21	3	2,207
11/21/2015 4:00	2015	11	21	4	2,223
11/21/2015 5:00	2015	11	21	5	2,327
11/21/2015 6:00	2015	11	21	6	2,426
11/21/2015 7:00	2015	11	21	7	2,487
11/21/2015 8:00	2015	11	21	8	2,515
11/21/2015 9:00	2015	11	21	9	2,430
11/21/2015 10:00	2015	11	21	10	2,341
11/21/2015 11:00	2015	11	21	11	2,222
11/21/2015 12:00	2015	11	21	12	2,212
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11/21/2015 17:00	2015	11	21	17	2,423
11/21/2015 18:00	2015	11	21	18	2,449
11/21/2015 19:00	2015	11	21	19	2,459
11/21/2015 20:00	2015	11	21	20	2,435
11/21/2015 21:00	2015	11	21	21	2,420
11/21/2015 22:00	2015	11	21	22	2,380
11/21/2015 23:00	2015	11	21	23	2,284
11/22/2015 0:00	2015	11	22	0	2,207
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11/22/2015 3:00	2015	11	22	3	2,153
11/22/2015 4:00	2015	11	22	4	2,202
11/22/2015 5:00	2015	11	22	5	2,300
11/22/2015 6:00	2015	11	22	6	2,365
11/22/2015 7:00	2015	11	22	7	2,447
11/22/2015 8:00	2015	11	22	8	2,584
11/22/2015 9:00	2015	11	22	9	2,616
11/22/2015 10:00	2015	11	22	10	2,593

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11/22/2015 11:00	2015	11	22	11	2,539
11/22/2015 12:00	2015	11	22	12	2,500
11/22/2015 13:00	2015	11	22	13	2,472
11/22/2015 14:00	2015	11	22	14	2,413
11/22/2015 15:00	2015	11	22	15	2,399
11/22/2015 16:00	2015	11	22	16	2,400
11/22/2015 17:00	2015	11	22	17	2,596
11/22/2015 18:00	2015	11	22	18	2,786
11/22/2015 19:00	2015	11	22	19	2,828
11/22/2015 20:00	2015	11	22	20	2,843
11/22/2015 21:00	2015	11	22	21	2,788
11/22/2015 22:00	2015	11	22	22	2,722
11/22/2015 23:00	2015	11	22	23	2,692
11/23/2015 0:00	2015	11	23	0	2,685
11/23/2015 1:00	2015	11	23	1	2,674
11/23/2015 2:00	2015	11	23	2	2,672
11/23/2015 3:00	2015	11	23	3	2,765
11/23/2015 4:00	2015	11	23	4	2,803
11/23/2015 5:00	2015	11	23	5	2,993
11/23/2015 6:00	2015	11	23	6	3,220
11/23/2015 7:00	2015	11	23	7	3,445
11/23/2015 8:00	2015	11	23	8	3,347
11/23/2015 9:00	2015	11	23	9	3,200
11/23/2015 10:00	2015	11	23	10	3,040
11/23/2015 11:00	2015	11	23	11	2,897
11/23/2015 12:00	2015	11	23	12	2,757
11/23/2015 13:00	2015	11	23	13	2,653
11/23/2015 14:00	2015	11	23	14	2,617
11/23/2015 15:00	2015	11	23	15	2,593
11/23/2015 16:00	2015	11	23	16	2,552
11/23/2015 17:00	2015	11	23	17	2,772
11/23/2015 18:00	2015	11	23	18	2,862
11/23/2015 19:00	2015	11	23	19	2,924
11/23/2015 20:00	2015	11	23	20	2,925
11/23/2015 21:00	2015	11	23	21	2,812
11/23/2015 22:00	2015	11	23	22	2,805
11/23/2015 23:00	2015	11	23	23	2,671
11/24/2015 0:00	2015	11	24	0	2,620
11/24/2015 1:00	2015	11	24	1	2,561
11/24/2015 2:00	2015	11	24	2	2,557
11/24/2015 3:00	2015	11	24	3	2,564
11/24/2015 4:00	2015	11	24	4	2,632

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11/24/2015 5:00	2015	11	24	5	2,763
11/24/2015 6:00	2015	11	24	6	3,040
11/24/2015 7:00	2015	11	24	7	3,143
11/24/2015 8:00	2015	11	24	8	3,069
11/24/2015 9:00	2015	11	24	9	2,931
11/24/2015 10:00	2015	11	24	10	2,769
11/24/2015 11:00	2015	11	24	11	2,653
11/24/2015 12:00	2015	11	24	12	2,589
11/24/2015 13:00	2015	11	24	13	2,496
11/24/2015 14:00	2015	11	24	14	2,472
11/24/2015 15:00	2015	11	24	15	2,427
11/24/2015 16:00	2015	11	24	16	2,414
11/24/2015 17:00	2015	11	24	17	2,511
11/24/2015 18:00	2015	11	24	18	2,631
11/24/2015 19:00	2015	11	24	19	2,657
11/24/2015 20:00	2015	11	24	20	2,624
11/24/2015 21:00	2015	11	24	21	2,589
11/24/2015 22:00	2015	11	24	22	2,474
11/24/2015 23:00	2015	11	24	23	2,397
11/25/2015 0:00	2015	11	25	0	2,300
11/25/2015 1:00	2015	11	25	1	2,245
11/25/2015 2:00	2015	11	25	2	2,289
11/25/2015 3:00	2015	11	25	3	2,293
11/25/2015 4:00	2015	11	25	4	2,281
11/25/2015 5:00	2015	11	25	5	2,474
11/25/2015 6:00	2015	11	25	6	2,650
11/25/2015 7:00	2015	11	25	7	2,759
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11/25/2015 9:00	2015	11	25	9	2,754
11/25/2015 10:00	2015	11	25	10	2,643
11/25/2015 11:00	2015	11	25	11	2,510
11/25/2015 12:00	2015	11	25	12	2,491
11/25/2015 13:00	2015	11	25	13	2,383
11/25/2015 14:00	2015	11	25	14	2,332
11/25/2015 15:00	2015	11	25	15	2,289
11/25/2015 16:00	2015	11	25	16	2,293
11/25/2015 17:00	2015	11	25	17	2,349
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11/25/2015 19:00	2015	11	25	19	2,452
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11/25/2015 21:00	2015	11	25	21	2,310
11/25/2015 22:00	2015	11	25	22	2,288

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11/25/2015 23:00	2015	11	25	23	2,105
11/26/2015 0:00	2015	11	26	0	1,946
11/26/2015 1:00	2015	11	26	1	1,947
11/26/2015 2:00	2015	11	26	2	1,840
11/26/2015 3:00	2015	11	26	3	1,823
11/26/2015 4:00	2015	11	26	4	1,857
11/26/2015 5:00	2015	11	26	5	1,873
11/26/2015 6:00	2015	11	26	6	1,949
11/26/2015 7:00	2015	11	26	7	1,977
11/26/2015 8:00	2015	11	26	8	2,121
11/26/2015 9:00	2015	11	26	9	2,120
11/26/2015 10:00	2015	11	26	10	2,063
11/26/2015 11:00	2015	11	26	11	2,050
11/26/2015 12:00	2015	11	26	12	1,952
11/26/2015 13:00	2015	11	26	13	1,778
11/26/2015 14:00	2015	11	26	14	1,729
11/26/2015 15:00	2015	11	26	15	1,703
11/26/2015 16:00	2015	11	26	16	1,654
11/26/2015 17:00	2015	11	26	17	1,667
11/26/2015 18:00	2015	11	26	18	1,780
11/26/2015 19:00	2015	11	26	19	1,756
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11/26/2015 21:00	2015	11	26	21	1,738
11/26/2015 22:00	2015	11	26	22	1,711
11/26/2015 23:00	2015	11	26	23	1,692
11/27/2015 0:00	2015	11	27	0	1,593
11/27/2015 1:00	2015	11	27	1	1,614
11/27/2015 2:00	2015	11	27	2	1,581
11/27/2015 3:00	2015	11	27	3	1,638
11/27/2015 4:00	2015	11	27	4	1,622
11/27/2015 5:00	2015	11	27	5	1,704
11/27/2015 6:00	2015	11	27	6	1,762
11/27/2015 7:00	2015	11	27	7	1,895
11/27/2015 8:00	2015	11	27	8	1,844
11/27/2015 9:00	2015	11	27	9	1,958
11/27/2015 10:00	2015	11	27	10	1,948
11/27/2015 11:00	2015	11	27	11	1,922
11/27/2015 12:00	2015	11	27	12	1,889
11/27/2015 13:00	2015	11	27	13	1,842
11/27/2015 14:00	2015	11	27	14	1,803
11/27/2015 15:00	2015	11	27	15	1,805
11/27/2015 16:00	2015	11	27	16	1,804

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11/27/2015 17:00	2015	11	27	17	1,900
11/27/2015 18:00	2015	11	27	18	2,024
11/27/2015 19:00	2015	11	27	19	1,995
11/27/2015 20:00	2015	11	27	20	1,954
11/27/2015 21:00	2015	11	27	21	1,914
11/27/2015 22:00	2015	11	27	22	1,882
11/27/2015 23:00	2015	11	27	23	1,741
11/28/2015 0:00	2015	11	28	0	1,692
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11/28/2015 2:00	2015	11	28	2	1,593
11/28/2015 3:00	2015	11	28	3	1,582
11/28/2015 4:00	2015	11	28	4	1,571
11/28/2015 5:00	2015	11	28	5	1,638
11/28/2015 6:00	2015	11	28	6	1,667
11/28/2015 7:00	2015	11	28	7	1,763
11/28/2015 8:00	2015	11	28	8	1,872
11/28/2015 9:00	2015	11	28	9	1,935
11/28/2015 10:00	2015	11	28	10	2,012
11/28/2015 11:00	2015	11	28	11	1,953
11/28/2015 12:00	2015	11	28	12	2,000
11/28/2015 13:00	2015	11	28	13	1,975
11/28/2015 14:00	2015	11	28	14	1,950
11/28/2015 15:00	2015	11	28	15	1,932
11/28/2015 16:00	2015	11	28	16	1,995
11/28/2015 17:00	2015	11	28	17	2,073
11/28/2015 18:00	2015	11	28	18	2,137
11/28/2015 19:00	2015	11	28	19	2,081
11/28/2015 20:00	2015	11	28	20	2,025
11/28/2015 21:00	2015	11	28	21	1,986
11/28/2015 22:00	2015	11	28	22	1,896
11/28/2015 23:00	2015	11	28	23	1,804
11/29/2015 0:00	2015	11	29	0	1,696
11/29/2015 1:00	2015	11	29	1	1,689
11/29/2015 2:00	2015	11	29	2	1,663
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11/29/2015 4:00	2015	11	29	4	1,676
11/29/2015 5:00	2015	11	29	5	1,723
11/29/2015 6:00	2015	11	29	6	1,793
11/29/2015 7:00	2015	11	29	7	1,845
11/29/2015 8:00	2015	11	29	8	1,968
11/29/2015 9:00	2015	11	29	9	2,069
11/29/2015 10:00	2015	11	29	10	2,076



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11/29/2015 11:00	2015	11	29	11	2,122
11/29/2015 12:00	2015	11	29	12	2,152
11/29/2015 13:00	2015	11	29	13	2,102
11/29/2015 14:00	2015	11	29	14	2,146
11/29/2015 15:00	2015	11	29	15	2,151
11/29/2015 16:00	2015	11	29	16	2,184
11/29/2015 17:00	2015	11	29	17	2,285
11/29/2015 18:00	2015	11	29	18	2,347
11/29/2015 19:00	2015	11	29	19	2,331
11/29/2015 20:00	2015	11	29	20	2,348
11/29/2015 21:00	2015	11	29	21	2,253
11/29/2015 22:00	2015	11	29	22	2,166
11/29/2015 23:00	2015	11	29	23	2,053
11/30/2015 0:00	2015	11	30	0	1,955
11/30/2015 1:00	2015	11	30	1	1,850
11/30/2015 2:00	2015	11	30	2	1,832
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11/30/2015 4:00	2015	11	30	4	1,970
11/30/2015 5:00	2015	11	30	5	2,119
11/30/2015 6:00	2015	11	30	6	2,395
11/30/2015 7:00	2015	11	30	7	2,529
11/30/2015 8:00	2015	11	30	8	2,574
11/30/2015 9:00	2015	11	30	9	2,627
11/30/2015 10:00	2015	11	30	10	2,644
11/30/2015 11:00	2015	11	30	11	2,632
11/30/2015 12:00	2015	11	30	12	2,609
11/30/2015 13:00	2015	11	30	13	2,627
11/30/2015 14:00	2015	11	30	14	2,541
11/30/2015 15:00	2015	11	30	15	2,521
11/30/2015 16:00	2015	11	30	16	2,540
11/30/2015 17:00	2015	11	30	17	2,632
11/30/2015 18:00	2015	11	30	18	2,664
11/30/2015 19:00	2015	11	30	19	2,620
11/30/2015 20:00	2015	11	30	20	2,570
11/30/2015 21:00	2015	11	30	21	2,498
11/30/2015 22:00	2015	11	30	22	2,336
11/30/2015 23:00	2015	11	30	23	2,235
12/1/2015 0:00	2015	12	1	0	2,061
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12/1/2015 3:00	2015	12	1	3	1,825
12/1/2015 4:00	2015	12	1	4	1,808

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12/1/2015 5:00	2015	12	1	5	1,945
12/1/2015 6:00	2015	12	1	6	2,237
12/1/2015 7:00	2015	12	1	7	2,445
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12/1/2015 10:00	2015	12	1	10	2,525
12/1/2015 11:00	2015	12	1	11	2,479
12/1/2015 12:00	2015	12	1	12	2,460
12/1/2015 13:00	2015	12	1	13	2,475
12/1/2015 14:00	2015	12	1	14	2,447
12/1/2015 15:00	2015	12	1	15	2,436
12/1/2015 16:00	2015	12	1	16	2,461
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12/1/2015 18:00	2015	12	1	18	2,625
12/1/2015 19:00	2015	12	1	19	2,643
12/1/2015 20:00	2015	12	1	20	2,562
12/1/2015 21:00	2015	12	1	21	2,476
12/1/2015 22:00	2015	12	1	22	2,382
12/1/2015 23:00	2015	12	1	23	2,261
12/2/2015 0:00	2015	12	2	0	2,158
12/2/2015 1:00	2015	12	2	1	2,092
12/2/2015 2:00	2015	12	2	2	2,058
12/2/2015 3:00	2015	12	2	3	2,026
12/2/2015 4:00	2015	12	2	4	2,040
12/2/2015 5:00	2015	12	2	5	2,211
12/2/2015 6:00	2015	12	2	6	2,467
12/2/2015 7:00	2015	12	2	7	2,650
12/2/2015 8:00	2015	12	2	8	2,684
12/2/2015 9:00	2015	12	2	9	2,710
12/2/2015 10:00	2015	12	2	10	2,701
12/2/2015 11:00	2015	12	2	11	2,675
12/2/2015 12:00	2015	12	2	12	2,624
12/2/2015 13:00	2015	12	2	13	2,614
12/2/2015 14:00	2015	12	2	14	2,605
12/2/2015 15:00	2015	12	2	15	2,602
12/2/2015 16:00	2015	12	2	16	2,656
12/2/2015 17:00	2015	12	2	17	2,776
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12/2/2015 19:00	2015	12	2	19	2,847
12/2/2015 20:00	2015	12	2	20	2,833
12/2/2015 21:00	2015	12	2	21	2,792
12/2/2015 22:00	2015	12	2	22	2,672

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12/2/2015 23:00	2015	12	2	23	2,513
12/3/2015 0:00	2015	12	3	0	2,457
12/3/2015 1:00	2015	12	3	1	2,392
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12/4/2015 16:00	2015	12	4	16	2,451

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12/9/2015 22:00	2015	12	9	22	2,443

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12/9/2015 23:00	2015	12	9	23	2,332
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12/11/2015 17:00	2015	12	11	17	2,410
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12/13/2015 10:00	2015	12	13	10	2,033



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12/13/2015 11:00	2015	12	13	11	2,015
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12/17/2015 20:00	2015	12	17	20	2,863
12/17/2015 21:00	2015	12	17	21	2,863
12/17/2015 22:00	2015	12	17	22	2,728
12/17/2015 23:00	2015	12	17	23	2,626
12/18/2015 0:00	2015	12	18	0	2,528
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12/18/2015 2:00	2015	12	18	2	2,410
12/18/2015 3:00	2015	12	18	3	2,429
12/18/2015 4:00	2015	12	18	4	2,481
12/18/2015 5:00	2015	12	18	5	2,596
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12/18/2015 15:00	2015	12	18	15	2,990
12/18/2015 16:00	2015	12	18	16	2,933

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12/18/2015 17:00	2015	12	18	17	3,132
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12/20/2015 10:00	2015	12	20	10	2,545

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12/20/2015 11:00	2015	12	20	11	2,431
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12/22/2015 4:00	2015	12	22	4	1,800

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12/22/2015 5:00	2015	12	22	5	1,887
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12/23/2015 22:00	2015	12	23	22	2,055

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12/23/2015 23:00	2015	12	23	23	1,920
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12/24/2015 16:00	2015	12	24	16	1,744
12/24/2015 17:00	2015	12	24	17	1,790
12/24/2015 18:00	2015	12	24	18	1,818
12/24/2015 19:00	2015	12	24	19	1,789
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12/24/2015 21:00	2015	12	24	21	1,716
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12/25/2015 3:00	2015	12	25	3	1,380
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12/25/2015 9:00	2015	12	25	9	1,711
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12/25/2015 11:00	2015	12	25	11	1,802
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12/25/2015 16:00	2015	12	25	16	1,661

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12/25/2015 17:00	2015	12	25	17	1,709
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12/26/2015 3:00	2015	12	26	3	1,445
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12/26/2015 5:00	2015	12	26	5	1,493
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12/26/2015 11:00	2015	12	26	11	1,897
12/26/2015 12:00	2015	12	26	12	1,917
12/26/2015 13:00	2015	12	26	13	1,893
12/26/2015 14:00	2015	12	26	14	1,934
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12/26/2015 21:00	2015	12	26	21	1,917
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12/27/2015 3:00	2015	12	27	3	1,502
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12/27/2015 10:00	2015	12	27	10	1,838



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12/27/2015 11:00	2015	12	27	11	1,831
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12/27/2015 13:00	2015	12	27	13	1,916
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12/28/2015 10:00	2015	12	28	10	2,387
12/28/2015 11:00	2015	12	28	11	2,385
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12/28/2015 13:00	2015	12	28	13	2,366
12/28/2015 14:00	2015	12	28	14	2,310
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12/29/2015 4:00	2015	12	29	4	1,730

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12/29/2015 5:00	2015	12	29	5	1,856
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12/29/2015 7:00	2015	12	29	7	2,169
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12/29/2015 14:00	2015	12	29	14	2,293
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12/30/2015 9:00	2015	12	30	9	2,372
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12/30/2015 22:00	2015	12	30	22	2,176

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12/30/2015 23:00	2015	12	30	23	2,104
12/31/2015 0:00	2015	12	31	0	2,074
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12/31/2015 20:00	2015	12	31	20	2,521
12/31/2015 21:00	2015	12	31	21	2,423
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1/1/2016 2:00	2016	1	1	2	2,207
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1/1/2016 10:00	2016	1	1	10	2,483
1/1/2016 11:00	2016	1	1	11	2,418
1/1/2016 12:00	2016	1	1	12	2,340
1/1/2016 13:00	2016	1	1	13	2,256
1/1/2016 14:00	2016	1	1	14	2,246
1/1/2016 15:00	2016	1	1	15	2,141
1/1/2016 16:00	2016	1	1	16	2,193

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1/1/2016 17:00	2016	1	1	17	2,385
1/1/2016 18:00	2016	1	1	18	2,544
1/1/2016 19:00	2016	1	1	19	2,519
1/1/2016 20:00	2016	1	1	20	2,631
1/1/2016 21:00	2016	1	1	21	2,535
1/1/2016 22:00	2016	1	1	22	2,537
1/1/2016 23:00	2016	1	1	23	2,483
1/2/2016 0:00	2016	1	2	0	2,450
1/2/2016 1:00	2016	1	2	1	2,383
1/2/2016 2:00	2016	1	2	2	2,387
1/2/2016 3:00	2016	1	2	3	2,420
1/2/2016 4:00	2016	1	2	4	2,478
1/2/2016 5:00	2016	1	2	5	2,558
1/2/2016 6:00	2016	1	2	6	2,601
1/2/2016 7:00	2016	1	2	7	2,722
1/2/2016 8:00	2016	1	2	8	2,800
1/2/2016 9:00	2016	1	2	9	2,702
1/2/2016 10:00	2016	1	2	10	2,628
1/2/2016 11:00	2016	1	2	11	2,466
1/2/2016 12:00	2016	1	2	12	2,347
1/2/2016 13:00	2016	1	2	13	2,285
1/2/2016 14:00	2016	1	2	14	2,200
1/2/2016 15:00	2016	1	2	15	2,195
1/2/2016 16:00	2016	1	2	16	2,182
1/2/2016 17:00	2016	1	2	17	2,289
1/2/2016 18:00	2016	1	2	18	2,513
1/2/2016 19:00	2016	1	2	19	2,576
1/2/2016 20:00	2016	1	2	20	2,586
1/2/2016 21:00	2016	1	2	21	2,578
1/2/2016 22:00	2016	1	2	22	2,514
1/2/2016 23:00	2016	1	2	23	2,491
1/3/2016 0:00	2016	1	3	0	2,438
1/3/2016 1:00	2016	1	3	1	2,383
1/3/2016 2:00	2016	1	3	2	2,400
1/3/2016 3:00	2016	1	3	3	2,413
1/3/2016 4:00	2016	1	3	4	2,461
1/3/2016 5:00	2016	1	3	5	2,504
1/3/2016 6:00	2016	1	3	6	2,584
1/3/2016 7:00	2016	1	3	7	2,677
1/3/2016 8:00	2016	1	3	8	2,720
1/3/2016 9:00	2016	1	3	9	2,661
1/3/2016 10:00	2016	1	3	10	2,545

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1/3/2016 11:00	2016	1	3	11	2,411
1/3/2016 12:00	2016	1	3	12	2,290
1/3/2016 13:00	2016	1	3	13	2,208
1/3/2016 14:00	2016	1	3	14	2,184
1/3/2016 15:00	2016	1	3	15	2,181
1/3/2016 16:00	2016	1	3	16	2,206
1/3/2016 17:00	2016	1	3	17	2,414
1/3/2016 18:00	2016	1	3	18	2,648
1/3/2016 19:00	2016	1	3	19	2,691
1/3/2016 20:00	2016	1	3	20	2,728
1/3/2016 21:00	2016	1	3	21	2,670
1/3/2016 22:00	2016	1	3	22	2,568
1/3/2016 23:00	2016	1	3	23	2,495
1/4/2016 0:00	2016	1	4	0	2,427
1/4/2016 1:00	2016	1	4	1	2,381
1/4/2016 2:00	2016	1	4	2	2,432
1/4/2016 3:00	2016	1	4	3	2,378
1/4/2016 4:00	2016	1	4	4	2,410
1/4/2016 5:00	2016	1	4	5	2,595
1/4/2016 6:00	2016	1	4	6	2,950
1/4/2016 7:00	2016	1	4	7	3,194
1/4/2016 8:00	2016	1	4	8	3,251
1/4/2016 9:00	2016	1	4	9	3,265
1/4/2016 10:00	2016	1	4	10	3,262
1/4/2016 11:00	2016	1	4	11	3,226
1/4/2016 12:00	2016	1	4	12	3,126
1/4/2016 13:00	2016	1	4	13	3,077
1/4/2016 14:00	2016	1	4	14	3,006
1/4/2016 15:00	2016	1	4	15	2,985
1/4/2016 16:00	2016	1	4	16	3,027
1/4/2016 17:00	2016	1	4	17	3,143
1/4/2016 18:00	2016	1	4	18	3,296
1/4/2016 19:00	2016	1	4	19	3,265
1/4/2016 20:00	2016	1	4	20	3,297
1/4/2016 21:00	2016	1	4	21	3,182
1/4/2016 22:00	2016	1	4	22	3,108
1/4/2016 23:00	2016	1	4	23	3,016
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1/5/2016 1:00	2016	1	5	1	2,972
1/5/2016 2:00	2016	1	5	2	2,980
1/5/2016 3:00	2016	1	5	3	2,992
1/5/2016 4:00	2016	1	5	4	3,079

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1/5/2016 5:00	2016	1	5	5	3,220
1/5/2016 6:00	2016	1	5	6	3,554
1/5/2016 7:00	2016	1	5	7	3,748
1/5/2016 8:00	2016	1	5	8	3,732
1/5/2016 9:00	2016	1	5	9	3,632
1/5/2016 10:00	2016	1	5	10	3,442
1/5/2016 11:00	2016	1	5	11	3,228
1/5/2016 12:00	2016	1	5	12	3,142
1/5/2016 13:00	2016	1	5	13	2,972
1/5/2016 14:00	2016	1	5	14	2,871
1/5/2016 15:00	2016	1	5	15	2,849
1/5/2016 16:00	2016	1	5	16	2,826
1/5/2016 17:00	2016	1	5	17	3,076
1/5/2016 18:00	2016	1	5	18	3,222
1/5/2016 19:00	2016	1	5	19	3,319
1/5/2016 20:00	2016	1	5	20	3,332
1/5/2016 21:00	2016	1	5	21	3,274
1/5/2016 22:00	2016	1	5	22	3,167
1/5/2016 23:00	2016	1	5	23	3,066
1/6/2016 0:00	2016	1	6	0	3,019
1/6/2016 1:00	2016	1	6	1	2,992
1/6/2016 2:00	2016	1	6	2	2,950
1/6/2016 3:00	2016	1	6	3	2,999
1/6/2016 4:00	2016	1	6	4	3,048
1/6/2016 5:00	2016	1	6	5	3,268
1/6/2016 6:00	2016	1	6	6	3,535
1/6/2016 7:00	2016	1	6	7	3,689
1/6/2016 8:00	2016	1	6	8	3,669
1/6/2016 9:00	2016	1	6	9	3,485
1/6/2016 10:00	2016	1	6	10	3,270
1/6/2016 11:00	2016	1	6	11	3,091
1/6/2016 12:00	2016	1	6	12	2,948
1/6/2016 13:00	2016	1	6	13	2,817
1/6/2016 14:00	2016	1	6	14	2,755
1/6/2016 15:00	2016	1	6	15	2,694
1/6/2016 16:00	2016	1	6	16	2,717
1/6/2016 17:00	2016	1	6	17	2,883
1/6/2016 18:00	2016	1	6	18	3,049
1/6/2016 19:00	2016	1	6	19	3,066
1/6/2016 20:00	2016	1	6	20	3,117
1/6/2016 21:00	2016	1	6	21	3,061
1/6/2016 22:00	2016	1	6	22	2,922

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1/6/2016 23:00	2016	1	6	23	2,846
1/7/2016 0:00	2016	1	7	0	2,793
1/7/2016 1:00	2016	1	7	1	2,706
1/7/2016 2:00	2016	1	7	2	2,688
1/7/2016 3:00	2016	1	7	3	2,717
1/7/2016 4:00	2016	1	7	4	2,779
1/7/2016 5:00	2016	1	7	5	2,959
1/7/2016 6:00	2016	1	7	6	3,256
1/7/2016 7:00	2016	1	7	7	3,430
1/7/2016 8:00	2016	1	7	8	3,362
1/7/2016 9:00	2016	1	7	9	3,249
1/7/2016 10:00	2016	1	7	10	3,046
1/7/2016 11:00	2016	1	7	11	2,872
1/7/2016 12:00	2016	1	7	12	2,776
1/7/2016 13:00	2016	1	7	13	2,681
1/7/2016 14:00	2016	1	7	14	2,529
1/7/2016 15:00	2016	1	7	15	2,527
1/7/2016 16:00	2016	1	7	16	2,529
1/7/2016 17:00	2016	1	7	17	2,645
1/7/2016 18:00	2016	1	7	18	2,793
1/7/2016 19:00	2016	1	7	19	2,789
1/7/2016 20:00	2016	1	7	20	2,784
1/7/2016 21:00	2016	1	7	21	2,659
1/7/2016 22:00	2016	1	7	22	2,528
1/7/2016 23:00	2016	1	7	23	2,382
1/8/2016 0:00	2016	1	8	0	2,264
1/8/2016 1:00	2016	1	8	1	2,227
1/8/2016 2:00	2016	1	8	2	2,171
1/8/2016 3:00	2016	1	8	3	2,096
1/8/2016 4:00	2016	1	8	4	2,155
1/8/2016 5:00	2016	1	8	5	2,332
1/8/2016 6:00	2016	1	8	6	2,576
1/8/2016 7:00	2016	1	8	7	2,741
1/8/2016 8:00	2016	1	8	8	2,767
1/8/2016 9:00	2016	1	8	9	2,773
1/8/2016 10:00	2016	1	8	10	2,715
1/8/2016 11:00	2016	1	8	11	2,711
1/8/2016 12:00	2016	1	8	12	2,658
1/8/2016 13:00	2016	1	8	13	2,626
1/8/2016 14:00	2016	1	8	14	2,552
1/8/2016 15:00	2016	1	8	15	2,548
1/8/2016 16:00	2016	1	8	16	2,519

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1/8/2016 17:00	2016	1	8	17	2,553
1/8/2016 18:00	2016	1	8	18	2,614
1/8/2016 19:00	2016	1	8	19	2,529
1/8/2016 20:00	2016	1	8	20	2,479
1/8/2016 21:00	2016	1	8	21	2,378
1/8/2016 22:00	2016	1	8	22	2,398
1/8/2016 23:00	2016	1	8	23	2,281
1/9/2016 0:00	2016	1	9	0	2,186
1/9/2016 1:00	2016	1	9	1	2,089
1/9/2016 2:00	2016	1	9	2	2,037
1/9/2016 3:00	2016	1	9	3	2,016
1/9/2016 4:00	2016	1	9	4	2,004
1/9/2016 5:00	2016	1	9	5	2,068
1/9/2016 6:00	2016	1	9	6	2,180
1/9/2016 7:00	2016	1	9	7	2,242
1/9/2016 8:00	2016	1	9	8	2,342
1/9/2016 9:00	2016	1	9	9	2,357
1/9/2016 10:00	2016	1	9	10	2,414
1/9/2016 11:00	2016	1	9	11	2,374
1/9/2016 12:00	2016	1	9	12	2,319
1/9/2016 13:00	2016	1	9	13	2,242
1/9/2016 14:00	2016	1	9	14	2,225
1/9/2016 15:00	2016	1	9	15	2,212
1/9/2016 16:00	2016	1	9	16	2,200
1/9/2016 17:00	2016	1	9	17	2,336
1/9/2016 18:00	2016	1	9	18	2,386
1/9/2016 19:00	2016	1	9	19	2,319
1/9/2016 20:00	2016	1	9	20	2,344
1/9/2016 21:00	2016	1	9	21	2,235
1/9/2016 22:00	2016	1	9	22	2,194
1/9/2016 23:00	2016	1	9	23	2,081
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1/10/2016 1:00	2016	1	10	1	1,984
1/10/2016 2:00	2016	1	10	2	1,948
1/10/2016 3:00	2016	1	10	3	2,021
1/10/2016 4:00	2016	1	10	4	2,038
1/10/2016 5:00	2016	1	10	5	2,122
1/10/2016 6:00	2016	1	10	6	2,322
1/10/2016 7:00	2016	1	10	7	2,511
1/10/2016 8:00	2016	1	10	8	2,752
1/10/2016 9:00	2016	1	10	9	2,905
1/10/2016 10:00	2016	1	10	10	3,041



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1/10/2016 11:00	2016	1	10	11	3,079
1/10/2016 12:00	2016	1	10	12	3,105
1/10/2016 13:00	2016	1	10	13	3,159
1/10/2016 14:00	2016	1	10	14	3,219
1/10/2016 15:00	2016	1	10	15	3,170
1/10/2016 16:00	2016	1	10	16	3,314
1/10/2016 17:00	2016	1	10	17	3,389
1/10/2016 18:00	2016	1	10	18	3,567
1/10/2016 19:00	2016	1	10	19	3,551
1/10/2016 20:00	2016	1	10	20	3,583
1/10/2016 21:00	2016	1	10	21	3,512
1/10/2016 22:00	2016	1	10	22	3,388
1/10/2016 23:00	2016	1	10	23	3,337
1/11/2016 0:00	2016	1	11	0	3,350
1/11/2016 1:00	2016	1	11	1	3,362
1/11/2016 2:00	2016	1	11	2	3,401
1/11/2016 3:00	2016	1	11	3	3,442
1/11/2016 4:00	2016	1	11	4	3,533
1/11/2016 5:00	2016	1	11	5	3,728
1/11/2016 6:00	2016	1	11	6	3,970
1/11/2016 7:00	2016	1	11	7	4,210
1/11/2016 8:00	2016	1	11	8	4,138
1/11/2016 9:00	2016	1	11	9	4,046
1/11/2016 10:00	2016	1	11	10	3,877
1/11/2016 11:00	2016	1	11	11	3,690
1/11/2016 12:00	2016	1	11	12	3,539
1/11/2016 13:00	2016	1	11	13	3,399
1/11/2016 14:00	2016	1	11	14	3,278
1/11/2016 15:00	2016	1	11	15	3,237
1/11/2016 16:00	2016	1	11	16	3,275
1/11/2016 17:00	2016	1	11	17	3,360
1/11/2016 18:00	2016	1	11	18	3,533
1/11/2016 19:00	2016	1	11	19	3,525
1/11/2016 20:00	2016	1	11	20	3,519
1/11/2016 21:00	2016	1	11	21	3,377
1/11/2016 22:00	2016	1	11	22	3,240
1/11/2016 23:00	2016	1	11	23	3,119
1/12/2016 0:00	2016	1	12	0	2,992
1/12/2016 1:00	2016	1	12	1	2,916
1/12/2016 2:00	2016	1	12	2	2,866
1/12/2016 3:00	2016	1	12	3	2,835
1/12/2016 4:00	2016	1	12	4	2,858

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1/12/2016 5:00	2016	1	12	5	2,947
1/12/2016 6:00	2016	1	12	6	3,211
1/12/2016 7:00	2016	1	12	7	3,317
1/12/2016 8:00	2016	1	12	8	3,384
1/12/2016 9:00	2016	1	12	9	3,371
1/12/2016 10:00	2016	1	12	10	3,401
1/12/2016 11:00	2016	1	12	11	3,375
1/12/2016 12:00	2016	1	12	12	3,320
1/12/2016 13:00	2016	1	12	13	3,265
1/12/2016 14:00	2016	1	12	14	3,182
1/12/2016 15:00	2016	1	12	15	3,113
1/12/2016 16:00	2016	1	12	16	3,125
1/12/2016 17:00	2016	1	12	17	3,297
1/12/2016 18:00	2016	1	12	18	3,540
1/12/2016 19:00	2016	1	12	19	3,587
1/12/2016 20:00	2016	1	12	20	3,591
1/12/2016 21:00	2016	1	12	21	3,507
1/12/2016 22:00	2016	1	12	22	3,449
1/12/2016 23:00	2016	1	12	23	3,365
1/13/2016 0:00	2016	1	13	0	3,311
1/13/2016 1:00	2016	1	13	1	3,296
1/13/2016 2:00	2016	1	13	2	3,287
1/13/2016 3:00	2016	1	13	3	3,328
1/13/2016 4:00	2016	1	13	4	3,369
1/13/2016 5:00	2016	1	13	5	3,595
1/13/2016 6:00	2016	1	13	6	3,953
1/13/2016 7:00	2016	1	13	7	4,134
1/13/2016 8:00	2016	1	13	8	4,172
1/13/2016 9:00	2016	1	13	9	3,945
1/13/2016 10:00	2016	1	13	10	3,740
1/13/2016 11:00	2016	1	13	11	3,548
1/13/2016 12:00	2016	1	13	12	3,400
1/13/2016 13:00	2016	1	13	13	3,319
1/13/2016 14:00	2016	1	13	14	3,219
1/13/2016 15:00	2016	1	13	15	3,158
1/13/2016 16:00	2016	1	13	16	3,161
1/13/2016 17:00	2016	1	13	17	3,297
1/13/2016 18:00	2016	1	13	18	3,451
1/13/2016 19:00	2016	1	13	19	3,416
1/13/2016 20:00	2016	1	13	20	3,372
1/13/2016 21:00	2016	1	13	21	3,283
1/13/2016 22:00	2016	1	13	22	3,183

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1/13/2016 23:00	2016	1	13	23	3,082
1/14/2016 0:00	2016	1	14	0	2,971
1/14/2016 1:00	2016	1	14	1	2,874
1/14/2016 2:00	2016	1	14	2	2,839
1/14/2016 3:00	2016	1	14	3	2,801
1/14/2016 4:00	2016	1	14	4	2,842
1/14/2016 5:00	2016	1	14	5	3,000
1/14/2016 6:00	2016	1	14	6	3,206
1/14/2016 7:00	2016	1	14	7	3,367
1/14/2016 8:00	2016	1	14	8	3,370
1/14/2016 9:00	2016	1	14	9	3,192
1/14/2016 10:00	2016	1	14	10	2,992
1/14/2016 11:00	2016	1	14	11	2,886
1/14/2016 12:00	2016	1	14	12	2,788
1/14/2016 13:00	2016	1	14	13	2,671
1/14/2016 14:00	2016	1	14	14	2,630
1/14/2016 15:00	2016	1	14	15	2,496
1/14/2016 16:00	2016	1	14	16	2,509
1/14/2016 17:00	2016	1	14	17	2,531
1/14/2016 18:00	2016	1	14	18	2,726
1/14/2016 19:00	2016	1	14	19	2,780
1/14/2016 20:00	2016	1	14	20	2,806
1/14/2016 21:00	2016	1	14	21	2,742
1/14/2016 22:00	2016	1	14	22	2,592
1/14/2016 23:00	2016	1	14	23	2,467
1/15/2016 0:00	2016	1	15	0	2,367
1/15/2016 1:00	2016	1	15	1	2,311
1/15/2016 2:00	2016	1	15	2	2,280
1/15/2016 3:00	2016	1	15	3	2,283
1/15/2016 4:00	2016	1	15	4	2,335
1/15/2016 5:00	2016	1	15	5	2,457
1/15/2016 6:00	2016	1	15	6	2,713
1/15/2016 7:00	2016	1	15	7	2,892
1/15/2016 8:00	2016	1	15	8	2,902
1/15/2016 9:00	2016	1	15	9	2,882
1/15/2016 10:00	2016	1	15	10	2,924
1/15/2016 11:00	2016	1	15	11	2,861
1/15/2016 12:00	2016	1	15	12	2,825
1/15/2016 13:00	2016	1	15	13	2,839
1/15/2016 14:00	2016	1	15	14	2,748
1/15/2016 15:00	2016	1	15	15	2,709
1/15/2016 16:00	2016	1	15	16	2,710

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1/15/2016 17:00	2016	1	15	17	2,751
1/15/2016 18:00	2016	1	15	18	2,802
1/15/2016 19:00	2016	1	15	19	2,765
1/15/2016 20:00	2016	1	15	20	2,689
1/15/2016 21:00	2016	1	15	21	2,625
1/15/2016 22:00	2016	1	15	22	2,510
1/15/2016 23:00	2016	1	15	23	2,401
1/16/2016 0:00	2016	1	16	0	2,339
1/16/2016 1:00	2016	1	16	1	2,277
1/16/2016 2:00	2016	1	16	2	2,261
1/16/2016 3:00	2016	1	16	3	2,331
1/16/2016 4:00	2016	1	16	4	2,375
1/16/2016 5:00	2016	1	16	5	2,429
1/16/2016 6:00	2016	1	16	6	2,539
1/16/2016 7:00	2016	1	16	7	2,688
1/16/2016 8:00	2016	1	16	8	2,751
1/16/2016 9:00	2016	1	16	9	2,872
1/16/2016 10:00	2016	1	16	10	2,909
1/16/2016 11:00	2016	1	16	11	2,953
1/16/2016 12:00	2016	1	16	12	2,895
1/16/2016 13:00	2016	1	16	13	2,886
1/16/2016 14:00	2016	1	16	14	2,867
1/16/2016 15:00	2016	1	16	15	2,869
1/16/2016 16:00	2016	1	16	16	2,887
1/16/2016 17:00	2016	1	16	17	2,937
1/16/2016 18:00	2016	1	16	18	2,980
1/16/2016 19:00	2016	1	16	19	2,931
1/16/2016 20:00	2016	1	16	20	2,931
1/16/2016 21:00	2016	1	16	21	2,833
1/16/2016 22:00	2016	1	16	22	2,746
1/16/2016 23:00	2016	1	16	23	2,637
1/17/2016 0:00	2016	1	17	0	2,573
1/17/2016 1:00	2016	1	17	1	2,527
1/17/2016 2:00	2016	1	17	2	2,504
1/17/2016 3:00	2016	1	17	3	2,552
1/17/2016 4:00	2016	1	17	4	2,545
1/17/2016 5:00	2016	1	17	5	2,586
1/17/2016 6:00	2016	1	17	6	2,664
1/17/2016 7:00	2016	1	17	7	2,762
1/17/2016 8:00	2016	1	17	8	2,857
1/17/2016 9:00	2016	1	17	9	2,928
1/17/2016 10:00	2016	1	17	10	2,918

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1/17/2016 11:00	2016	1	17	11	2,873
1/17/2016 12:00	2016	1	17	12	2,779
1/17/2016 13:00	2016	1	17	13	2,740
1/17/2016 14:00	2016	1	17	14	2,775
1/17/2016 15:00	2016	1	17	15	2,863
1/17/2016 16:00	2016	1	17	16	2,901
1/17/2016 17:00	2016	1	17	17	3,071
1/17/2016 18:00	2016	1	17	18	3,240
1/17/2016 19:00	2016	1	17	19	3,336
1/17/2016 20:00	2016	1	17	20	3,371
1/17/2016 21:00	2016	1	17	21	3,403
1/17/2016 22:00	2016	1	17	22	3,349
1/17/2016 23:00	2016	1	17	23	3,320
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1/18/2016 1:00	2016	1	18	1	3,432
1/18/2016 2:00	2016	1	18	2	3,473
1/18/2016 3:00	2016	1	18	3	3,547
1/18/2016 4:00	2016	1	18	4	3,564
1/18/2016 5:00	2016	1	18	5	3,733
1/18/2016 6:00	2016	1	18	6	4,065
1/18/2016 7:00	2016	1	18	7	4,255
1/18/2016 8:00	2016	1	18	8	4,323
1/18/2016 9:00	2016	1	18	9	4,229
1/18/2016 10:00	2016	1	18	10	4,203
1/18/2016 11:00	2016	1	18	11	4,081
1/18/2016 12:00	2016	1	18	12	3,900
1/18/2016 13:00	2016	1	18	13	3,748
1/18/2016 14:00	2016	1	18	14	3,708
1/18/2016 15:00	2016	1	18	15	3,632
1/18/2016 16:00	2016	1	18	16	3,637
1/18/2016 17:00	2016	1	18	17	3,771
1/18/2016 18:00	2016	1	18	18	3,987
1/18/2016 19:00	2016	1	18	19	4,008
1/18/2016 20:00	2016	1	18	20	4,014
1/18/2016 21:00	2016	1	18	21	3,984
1/18/2016 22:00	2016	1	18	22	3,872
1/18/2016 23:00	2016	1	18	23	3,788
1/19/2016 0:00	2016	1	19	0	3,818
1/19/2016 1:00	2016	1	19	1	3,766
1/19/2016 2:00	2016	1	19	2	3,789
1/19/2016 3:00	2016	1	19	3	3,760
1/19/2016 4:00	2016	1	19	4	3,831

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1/19/2016 5:00	2016	1	19	5	3,974
1/19/2016 6:00	2016	1	19	6	4,187
1/19/2016 7:00	2016	1	19	7	4,415
1/19/2016 8:00	2016	1	19	8	4,391
1/19/2016 9:00	2016	1	19	9	4,344
1/19/2016 10:00	2016	1	19	10	4,192
1/19/2016 11:00	2016	1	19	11	3,964
1/19/2016 12:00	2016	1	19	12	3,786
1/19/2016 13:00	2016	1	19	13	3,621
1/19/2016 14:00	2016	1	19	14	3,436
1/19/2016 15:00	2016	1	19	15	3,409
1/19/2016 16:00	2016	1	19	16	3,389
1/19/2016 17:00	2016	1	19	17	3,491
1/19/2016 18:00	2016	1	19	18	3,775
1/19/2016 19:00	2016	1	19	19	3,866
1/19/2016 20:00	2016	1	19	20	3,884
1/19/2016 21:00	2016	1	19	21	3,760
1/19/2016 22:00	2016	1	19	22	3,629
1/19/2016 23:00	2016	1	19	23	3,566
1/20/2016 0:00	2016	1	20	0	3,562
1/20/2016 1:00	2016	1	20	1	3,460
1/20/2016 2:00	2016	1	20	2	3,384
1/20/2016 3:00	2016	1	20	3	3,273
1/20/2016 4:00	2016	1	20	4	3,394
1/20/2016 5:00	2016	1	20	5	3,564
1/20/2016 6:00	2016	1	20	6	3,759
1/20/2016 7:00	2016	1	20	7	3,892
1/20/2016 8:00	2016	1	20	8	3,883
1/20/2016 9:00	2016	1	20	9	3,858
1/20/2016 10:00	2016	1	20	10	3,817
1/20/2016 11:00	2016	1	20	11	3,762
1/20/2016 12:00	2016	1	20	12	3,754
1/20/2016 13:00	2016	1	20	13	3,675
1/20/2016 14:00	2016	1	20	14	3,650
1/20/2016 15:00	2016	1	20	15	3,544
1/20/2016 16:00	2016	1	20	16	3,521
1/20/2016 17:00	2016	1	20	17	3,581
1/20/2016 18:00	2016	1	20	18	3,721
1/20/2016 19:00	2016	1	20	19	3,674
1/20/2016 20:00	2016	1	20	20	3,603
1/20/2016 21:00	2016	1	20	21	3,502
1/20/2016 22:00	2016	1	20	22	3,336

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1/20/2016 23:00	2016	1	20	23	3,283
1/21/2016 0:00	2016	1	21	0	3,164
1/21/2016 1:00	2016	1	21	1	3,126
1/21/2016 2:00	2016	1	21	2	3,101
1/21/2016 3:00	2016	1	21	3	3,059
1/21/2016 4:00	2016	1	21	4	3,115
1/21/2016 5:00	2016	1	21	5	3,256
1/21/2016 6:00	2016	1	21	6	3,478
1/21/2016 7:00	2016	1	21	7	3,645
1/21/2016 8:00	2016	1	21	8	3,704
1/21/2016 9:00	2016	1	21	9	3,723
1/21/2016 10:00	2016	1	21	10	3,690
1/21/2016 11:00	2016	1	21	11	3,639
1/21/2016 12:00	2016	1	21	12	3,535
1/21/2016 13:00	2016	1	21	13	3,430
1/21/2016 14:00	2016	1	21	14	3,325
1/21/2016 15:00	2016	1	21	15	3,297
1/21/2016 16:00	2016	1	21	16	3,322
1/21/2016 17:00	2016	1	21	17	3,392
1/21/2016 18:00	2016	1	21	18	3,537
1/21/2016 19:00	2016	1	21	19	3,525
1/21/2016 20:00	2016	1	21	20	3,479
1/21/2016 21:00	2016	1	21	21	3,424
1/21/2016 22:00	2016	1	21	22	3,323
1/21/2016 23:00	2016	1	21	23	3,228
1/22/2016 0:00	2016	1	22	0	3,128
1/22/2016 1:00	2016	1	22	1	3,061
1/22/2016 2:00	2016	1	22	2	3,025
1/22/2016 3:00	2016	1	22	3	2,991
1/22/2016 4:00	2016	1	22	4	3,016
1/22/2016 5:00	2016	1	22	5	3,083
1/22/2016 6:00	2016	1	22	6	3,241
1/22/2016 7:00	2016	1	22	7	3,359
1/22/2016 8:00	2016	1	22	8	3,412
1/22/2016 9:00	2016	1	22	9	3,466
1/22/2016 10:00	2016	1	22	10	3,467
1/22/2016 11:00	2016	1	22	11	3,441
1/22/2016 12:00	2016	1	22	12	3,404
1/22/2016 13:00	2016	1	22	13	3,351
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1/22/2016 15:00	2016	1	22	15	3,248
1/22/2016 16:00	2016	1	22	16	3,228

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1/22/2016 17:00	2016	1	22	17	3,341
1/22/2016 18:00	2016	1	22	18	3,474
1/22/2016 19:00	2016	1	22	19	3,371
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1/22/2016 22:00	2016	1	22	22	3,163
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1/23/2016 0:00	2016	1	23	0	2,998
1/23/2016 1:00	2016	1	23	1	2,966
1/23/2016 2:00	2016	1	23	2	2,964
1/23/2016 3:00	2016	1	23	3	2,976
1/23/2016 4:00	2016	1	23	4	2,969
1/23/2016 5:00	2016	1	23	5	3,042
1/23/2016 6:00	2016	1	23	6	3,075
1/23/2016 7:00	2016	1	23	7	3,134
1/23/2016 8:00	2016	1	23	8	3,170
1/23/2016 9:00	2016	1	23	9	3,186
1/23/2016 10:00	2016	1	23	10	3,167
1/23/2016 11:00	2016	1	23	11	3,141
1/23/2016 12:00	2016	1	23	12	3,133
1/23/2016 13:00	2016	1	23	13	3,085
1/23/2016 14:00	2016	1	23	14	3,000
1/23/2016 15:00	2016	1	23	15	2,970
1/23/2016 16:00	2016	1	23	16	2,965
1/23/2016 17:00	2016	1	23	17	3,011
1/23/2016 18:00	2016	1	23	18	3,223
1/23/2016 19:00	2016	1	23	19	3,303
1/23/2016 20:00	2016	1	23	20	3,323
1/23/2016 21:00	2016	1	23	21	3,327
1/23/2016 22:00	2016	1	23	22	3,303
1/23/2016 23:00	2016	1	23	23	3,295
1/24/2016 0:00	2016	1	24	0	3,266
1/24/2016 1:00	2016	1	24	1	3,327
1/24/2016 2:00	2016	1	24	2	3,315
1/24/2016 3:00	2016	1	24	3	3,351
1/24/2016 4:00	2016	1	24	4	3,447
1/24/2016 5:00	2016	1	24	5	3,535
1/24/2016 6:00	2016	1	24	6	3,636
1/24/2016 7:00	2016	1	24	7	3,737
1/24/2016 8:00	2016	1	24	8	3,752
1/24/2016 9:00	2016	1	24	9	3,627
1/24/2016 10:00	2016	1	24	10	3,418



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1/24/2016 11:00	2016	1	24	11	3,203
1/24/2016 12:00	2016	1	24	12	3,002
1/24/2016 13:00	2016	1	24	13	2,857
1/24/2016 14:00	2016	1	24	14	2,764
1/24/2016 15:00	2016	1	24	15	2,683
1/24/2016 16:00	2016	1	24	16	2,696
1/24/2016 17:00	2016	1	24	17	2,889
1/24/2016 18:00	2016	1	24	18	3,136
1/24/2016 19:00	2016	1	24	19	3,248
1/24/2016 20:00	2016	1	24	20	3,200
1/24/2016 21:00	2016	1	24	21	3,158
1/24/2016 22:00	2016	1	24	22	3,125
1/24/2016 23:00	2016	1	24	23	3,004
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1/25/2016 1:00	2016	1	25	1	2,969
1/25/2016 2:00	2016	1	25	2	2,933
1/25/2016 3:00	2016	1	25	3	2,962
1/25/2016 4:00	2016	1	25	4	3,023
1/25/2016 5:00	2016	1	25	5	3,151
1/25/2016 6:00	2016	1	25	6	3,401
1/25/2016 7:00	2016	1	25	7	3,590
1/25/2016 8:00	2016	1	25	8	3,603
1/25/2016 9:00	2016	1	25	9	3,472
1/25/2016 10:00	2016	1	25	10	3,251
1/25/2016 11:00	2016	1	25	11	3,071
1/25/2016 12:00	2016	1	25	12	2,972
1/25/2016 13:00	2016	1	25	13	2,858
1/25/2016 14:00	2016	1	25	14	2,782
1/25/2016 15:00	2016	1	25	15	2,770
1/25/2016 16:00	2016	1	25	16	2,725
1/25/2016 17:00	2016	1	25	17	2,862
1/25/2016 18:00	2016	1	25	18	3,014
1/25/2016 19:00	2016	1	25	19	2,961
1/25/2016 20:00	2016	1	25	20	2,987
1/25/2016 21:00	2016	1	25	21	2,878
1/25/2016 22:00	2016	1	25	22	2,672
1/25/2016 23:00	2016	1	25	23	2,534
1/26/2016 0:00	2016	1	26	0	2,462
1/26/2016 1:00	2016	1	26	1	2,329
1/26/2016 2:00	2016	1	26	2	2,294
1/26/2016 3:00	2016	1	26	3	2,287
1/26/2016 4:00	2016	1	26	4	2,332

1/26/2016 5:00	2016	1	26	5	2,442
1/26/2016 6:00	2016	1	26	6	2,699
1/26/2016 7:00	2016	1	26	7	2,857
1/26/2016 8:00	2016	1	26	8	2,907
1/26/2016 9:00	2016	1	26	9	2,974
1/26/2016 10:00	2016	1	26	10	2,968
1/26/2016 11:00	2016	1	26	11	3,013
1/26/2016 12:00	2016	1	26	12	3,025
1/26/2016 13:00	2016	1	26	13	3,054
1/26/2016 14:00	2016	1	26	14	2,992
1/26/2016 15:00	2016	1	26	15	2,983
1/26/2016 16:00	2016	1	26	16	3,042
1/26/2016 17:00	2016	1	26	17	3,071
1/26/2016 18:00	2016	1	26	18	3,124
1/26/2016 19:00	2016	1	26	19	3,124
1/26/2016 20:00	2016	1	26	20	3,080
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1/26/2016 22:00	2016	1	26	22	2,900
1/26/2016 23:00	2016	1	26	23	2,779
1/27/2016 0:00	2016	1	27	0	2,710
1/27/2016 1:00	2016	1	27	1	2,637
1/27/2016 2:00	2016	1	27	2	2,626
1/27/2016 3:00	2016	1	27	3	2,606
1/27/2016 4:00	2016	1	27	4	2,636
1/27/2016 5:00	2016	1	27	5	2,796
1/27/2016 6:00	2016	1	27	6	3,062
1/27/2016 7:00	2016	1	27	7	3,255
1/27/2016 8:00	2016	1	27	8	3,290
1/27/2016 9:00	2016	1	27	9	3,271
1/27/2016 10:00	2016	1	27	10	3,233
1/27/2016 11:00	2016	1	27	11	3,165
1/27/2016 12:00	2016	1	27	12	3,095
1/27/2016 13:00	2016	1	27	13	3,019
1/27/2016 14:00	2016	1	27	14	2,887
1/27/2016 15:00	2016	1	27	15	2,790
1/27/2016 16:00	2016	1	27	16	2,797
1/27/2016 17:00	2016	1	27	17	2,946
1/27/2016 18:00	2016	1	27	18	3,172
1/27/2016 19:00	2016	1	27	19	3,275
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1/27/2016 21:00	2016	1	27	21	3,292
1/27/2016 22:00	2016	1	27	22	3,256

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1/27/2016 23:00	2016	1	27	23	3,123
1/28/2016 0:00	2016	1	28	0	3,151
1/28/2016 1:00	2016	1	28	1	3,085
1/28/2016 2:00	2016	1	28	2	3,058
1/28/2016 3:00	2016	1	28	3	3,065
1/28/2016 4:00	2016	1	28	4	3,150
1/28/2016 5:00	2016	1	28	5	3,296
1/28/2016 6:00	2016	1	28	6	3,541
1/28/2016 7:00	2016	1	28	7	3,698
1/28/2016 8:00	2016	1	28	8	3,621
1/28/2016 9:00	2016	1	28	9	3,593
1/28/2016 10:00	2016	1	28	10	3,373
1/28/2016 11:00	2016	1	28	11	3,203
1/28/2016 12:00	2016	1	28	12	3,020
1/28/2016 13:00	2016	1	28	13	2,913
1/28/2016 14:00	2016	1	28	14	2,864
1/28/2016 15:00	2016	1	28	15	2,770
1/28/2016 16:00	2016	1	28	16	2,709
1/28/2016 17:00	2016	1	28	17	2,773
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1/28/2016 19:00	2016	1	28	19	3,004
1/28/2016 20:00	2016	1	28	20	3,062
1/28/2016 21:00	2016	1	28	21	2,971
1/28/2016 22:00	2016	1	28	22	2,845
1/28/2016 23:00	2016	1	28	23	2,724
1/29/2016 0:00	2016	1	29	0	2,545
1/29/2016 1:00	2016	1	29	1	2,459
1/29/2016 2:00	2016	1	29	2	2,436
1/29/2016 3:00	2016	1	29	3	2,439
1/29/2016 4:00	2016	1	29	4	2,500
1/29/2016 5:00	2016	1	29	5	2,616
1/29/2016 6:00	2016	1	29	6	3,011
1/29/2016 7:00	2016	1	29	7	3,181
1/29/2016 8:00	2016	1	29	8	3,222
1/29/2016 9:00	2016	1	29	9	3,116
1/29/2016 10:00	2016	1	29	10	3,078
1/29/2016 11:00	2016	1	29	11	2,979
1/29/2016 12:00	2016	1	29	12	2,893
1/29/2016 13:00	2016	1	29	13	2,809
1/29/2016 14:00	2016	1	29	14	2,717
1/29/2016 15:00	2016	1	29	15	2,647
1/29/2016 16:00	2016	1	29	16	2,588

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1/29/2016 17:00	2016	1	29	17	2,611
1/29/2016 18:00	2016	1	29	18	2,856
1/29/2016 19:00	2016	1	29	19	2,896
1/29/2016 20:00	2016	1	29	20	2,936
1/29/2016 21:00	2016	1	29	21	2,922
1/29/2016 22:00	2016	1	29	22	2,853
1/29/2016 23:00	2016	1	29	23	2,752
1/30/2016 0:00	2016	1	30	0	2,676
1/30/2016 1:00	2016	1	30	1	2,664
1/30/2016 2:00	2016	1	30	2	2,679
1/30/2016 3:00	2016	1	30	3	2,622
1/30/2016 4:00	2016	1	30	4	2,615
1/30/2016 5:00	2016	1	30	5	2,687
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1/30/2016 7:00	2016	1	30	7	2,799
1/30/2016 8:00	2016	1	30	8	2,857
1/30/2016 9:00	2016	1	30	9	2,756
1/30/2016 10:00	2016	1	30	10	2,629
1/30/2016 11:00	2016	1	30	11	2,474
1/30/2016 12:00	2016	1	30	12	2,322
1/30/2016 13:00	2016	1	30	13	2,306
1/30/2016 14:00	2016	1	30	14	2,129
1/30/2016 15:00	2016	1	30	15	2,110
1/30/2016 16:00	2016	1	30	16	2,023
1/30/2016 17:00	2016	1	30	17	2,116
1/30/2016 18:00	2016	1	30	18	2,254
1/30/2016 19:00	2016	1	30	19	2,244
1/30/2016 20:00	2016	1	30	20	2,320
1/30/2016 21:00	2016	1	30	21	2,214
1/30/2016 22:00	2016	1	30	22	2,150
1/30/2016 23:00	2016	1	30	23	2,069
1/31/2016 0:00	2016	1	31	0	1,936
1/31/2016 1:00	2016	1	31	1	1,906
1/31/2016 2:00	2016	1	31	2	1,936
1/31/2016 3:00	2016	1	31	3	1,860
1/31/2016 4:00	2016	1	31	4	1,903
1/31/2016 5:00	2016	1	31	5	1,881
1/31/2016 6:00	2016	1	31	6	2,007
1/31/2016 7:00	2016	1	31	7	2,037
1/31/2016 8:00	2016	1	31	8	2,065
1/31/2016 9:00	2016	1	31	9	2,174
1/31/2016 10:00	2016	1	31	10	2,120

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1/31/2016 11:00	2016	1	31	11	2,063
1/31/2016 12:00	2016	1	31	12	2,048
1/31/2016 13:00	2016	1	31	13	2,004
1/31/2016 14:00	2016	1	31	14	2,018
1/31/2016 15:00	2016	1	31	15	1,961
1/31/2016 16:00	2016	1	31	16	1,992
1/31/2016 17:00	2016	1	31	17	2,078
1/31/2016 18:00	2016	1	31	18	2,167
1/31/2016 19:00	2016	1	31	19	2,207
1/31/2016 20:00	2016	1	31	20	2,204
1/31/2016 21:00	2016	1	31	21	2,171
1/31/2016 22:00	2016	1	31	22	2,034
1/31/2016 23:00	2016	1	31	23	1,916
2/1/2016 0:00	2016	2	1	0	1,800
2/1/2016 1:00	2016	2	1	1	1,726
2/1/2016 2:00	2016	2	1	2	1,743
2/1/2016 3:00	2016	2	1	3	1,759
2/1/2016 4:00	2016	2	1	4	1,793
2/1/2016 5:00	2016	2	1	5	1,978
2/1/2016 6:00	2016	2	1	6	2,312
2/1/2016 7:00	2016	2	1	7	2,530
2/1/2016 8:00	2016	2	1	8	2,580
2/1/2016 9:00	2016	2	1	9	2,593
2/1/2016 10:00	2016	2	1	10	2,617
2/1/2016 11:00	2016	2	1	11	2,596
2/1/2016 12:00	2016	2	1	12	2,616
2/1/2016 13:00	2016	2	1	13	2,536
2/1/2016 14:00	2016	2	1	14	2,495
2/1/2016 15:00	2016	2	1	15	2,435
2/1/2016 16:00	2016	2	1	16	2,382
2/1/2016 17:00	2016	2	1	17	2,480
2/1/2016 18:00	2016	2	1	18	2,630
2/1/2016 19:00	2016	2	1	19	2,696
2/1/2016 20:00	2016	2	1	20	2,641
2/1/2016 21:00	2016	2	1	21	2,607
2/1/2016 22:00	2016	2	1	22	2,542
2/1/2016 23:00	2016	2	1	23	2,395
2/2/2016 0:00	2016	2	2	0	2,338
2/2/2016 1:00	2016	2	2	1	2,304
2/2/2016 2:00	2016	2	2	2	2,241
2/2/2016 3:00	2016	2	2	3	2,252
2/2/2016 4:00	2016	2	2	4	2,311

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2/2/2016 5:00	2016	2	2	5	2,428
2/2/2016 6:00	2016	2	2	6	2,708
2/2/2016 7:00	2016	2	2	7	2,892
2/2/2016 8:00	2016	2	2	8	2,869
2/2/2016 9:00	2016	2	2	9	2,815
2/2/2016 10:00	2016	2	2	10	2,755
2/2/2016 11:00	2016	2	2	11	2,664
2/2/2016 12:00	2016	2	2	12	2,556
2/2/2016 13:00	2016	2	2	13	2,482
2/2/2016 14:00	2016	2	2	14	2,463
2/2/2016 15:00	2016	2	2	15	2,425
2/2/2016 16:00	2016	2	2	16	2,394
2/2/2016 17:00	2016	2	2	17	2,448
2/2/2016 18:00	2016	2	2	18	2,550
2/2/2016 19:00	2016	2	2	19	2,549
2/2/2016 20:00	2016	2	2	20	2,500
2/2/2016 21:00	2016	2	2	21	2,386
2/2/2016 22:00	2016	2	2	22	2,249
2/2/2016 23:00	2016	2	2	23	2,110
2/3/2016 0:00	2016	2	3	0	1,996
2/3/2016 1:00	2016	2	3	1	1,903
2/3/2016 2:00	2016	2	3	2	1,852
2/3/2016 3:00	2016	2	3	3	1,808
2/3/2016 4:00	2016	2	3	4	1,860
2/3/2016 5:00	2016	2	3	5	1,955
2/3/2016 6:00	2016	2	3	6	2,229
2/3/2016 7:00	2016	2	3	7	2,450
2/3/2016 8:00	2016	2	3	8	2,456
2/3/2016 9:00	2016	2	3	9	2,498
2/3/2016 10:00	2016	2	3	10	2,472
2/3/2016 11:00	2016	2	3	11	2,460
2/3/2016 12:00	2016	2	3	12	2,426
2/3/2016 13:00	2016	2	3	13	2,459
2/3/2016 14:00	2016	2	3	14	2,427
2/3/2016 15:00	2016	2	3	15	2,401
2/3/2016 16:00	2016	2	3	16	2,390
2/3/2016 17:00	2016	2	3	17	2,394
2/3/2016 18:00	2016	2	3	18	2,541
2/3/2016 19:00	2016	2	3	19	2,637
2/3/2016 20:00	2016	2	3	20	2,658
2/3/2016 21:00	2016	2	3	21	2,589
2/3/2016 22:00	2016	2	3	22	2,551

2/3/2016 23:00	2016	2	3	23	2,473
2/4/2016 0:00	2016	2	4	0	2,369
2/4/2016 1:00	2016	2	4	1	2,305
2/4/2016 2:00	2016	2	4	2	2,333
2/4/2016 3:00	2016	2	4	3	2,316
2/4/2016 4:00	2016	2	4	4	2,356
2/4/2016 5:00	2016	2	4	5	2,520
2/4/2016 6:00	2016	2	4	6	2,844
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2/4/2016 9:00	2016	2	4	9	3,090
2/4/2016 10:00	2016	2	4	10	3,079
2/4/2016 11:00	2016	2	4	11	3,055
2/4/2016 12:00	2016	2	4	12	3,003
2/4/2016 13:00	2016	2	4	13	2,969
2/4/2016 14:00	2016	2	4	14	2,914
2/4/2016 15:00	2016	2	4	15	2,877
2/4/2016 16:00	2016	2	4	16	2,911
2/4/2016 17:00	2016	2	4	17	3,002
2/4/2016 18:00	2016	2	4	18	3,132
2/4/2016 19:00	2016	2	4	19	3,184
2/4/2016 20:00	2016	2	4	20	3,195
2/4/2016 21:00	2016	2	4	21	3,099
2/4/2016 22:00	2016	2	4	22	3,026
2/4/2016 23:00	2016	2	4	23	2,939
2/5/2016 0:00	2016	2	5	0	2,874
2/5/2016 1:00	2016	2	5	1	2,826
2/5/2016 2:00	2016	2	5	2	2,861
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2/5/2016 7:00	2016	2	5	7	3,644
2/5/2016 8:00	2016	2	5	8	3,538
2/5/2016 9:00	2016	2	5	9	3,363
2/5/2016 10:00	2016	2	5	10	3,154
2/5/2016 11:00	2016	2	5	11	2,975
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2/5/2016 14:00	2016	2	5	14	2,640
2/5/2016 15:00	2016	2	5	15	2,569
2/5/2016 16:00	2016	2	5	16	2,555

2/5/2016 17:00	2016	2	5	17	2,671
2/5/2016 18:00	2016	2	5	18	2,829
2/5/2016 19:00	2016	2	5	19	2,897
2/5/2016 20:00	2016	2	5	20	2,915
2/5/2016 21:00	2016	2	5	21	2,875
2/5/2016 22:00	2016	2	5	22	2,828
2/5/2016 23:00	2016	2	5	23	2,740
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2/6/2016 4:00	2016	2	6	4	2,673
2/6/2016 5:00	2016	2	6	5	2,778
2/6/2016 6:00	2016	2	6	6	2,882
2/6/2016 7:00	2016	2	6	7	3,023
2/6/2016 8:00	2016	2	6	8	3,025
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2/6/2016 12:00	2016	2	6	12	2,492
2/6/2016 13:00	2016	2	6	13	2,401
2/6/2016 14:00	2016	2	6	14	2,336
2/6/2016 15:00	2016	2	6	15	2,304
2/6/2016 16:00	2016	2	6	16	2,278
2/6/2016 17:00	2016	2	6	17	2,335
2/6/2016 18:00	2016	2	6	18	2,487
2/6/2016 19:00	2016	2	6	19	2,585
2/6/2016 20:00	2016	2	6	20	2,662
2/6/2016 21:00	2016	2	6	21	2,632
2/6/2016 22:00	2016	2	6	22	2,586
2/6/2016 23:00	2016	2	6	23	2,520
2/7/2016 0:00	2016	2	7	0	2,489
2/7/2016 1:00	2016	2	7	1	2,506
2/7/2016 2:00	2016	2	7	2	2,475
2/7/2016 3:00	2016	2	7	3	2,507
2/7/2016 4:00	2016	2	7	4	2,560
2/7/2016 5:00	2016	2	7	5	2,602
2/7/2016 6:00	2016	2	7	6	2,689
2/7/2016 7:00	2016	2	7	7	2,818
2/7/2016 8:00	2016	2	7	8	2,825
2/7/2016 9:00	2016	2	7	9	2,706
2/7/2016 10:00	2016	2	7	10	2,565



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2/7/2016 11:00	2016	2	7	11	2,408
2/7/2016 12:00	2016	2	7	12	2,348
2/7/2016 13:00	2016	2	7	13	2,254
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2/7/2016 15:00	2016	2	7	15	2,159
2/7/2016 16:00	2016	2	7	16	2,204
2/7/2016 17:00	2016	2	7	17	2,286
2/7/2016 18:00	2016	2	7	18	2,434
2/7/2016 19:00	2016	2	7	19	2,455
2/7/2016 20:00	2016	2	7	20	2,477
2/7/2016 21:00	2016	2	7	21	2,488
2/7/2016 22:00	2016	2	7	22	2,422
2/7/2016 23:00	2016	2	7	23	2,384
2/8/2016 0:00	2016	2	8	0	2,332
2/8/2016 1:00	2016	2	8	1	2,240
2/8/2016 2:00	2016	2	8	2	2,260
2/8/2016 3:00	2016	2	8	3	2,249
2/8/2016 4:00	2016	2	8	4	2,340
2/8/2016 5:00	2016	2	8	5	2,512
2/8/2016 6:00	2016	2	8	6	2,849
2/8/2016 7:00	2016	2	8	7	3,036
2/8/2016 8:00	2016	2	8	8	3,056
2/8/2016 9:00	2016	2	8	9	3,077
2/8/2016 10:00	2016	2	8	10	3,048
2/8/2016 11:00	2016	2	8	11	3,046
2/8/2016 12:00	2016	2	8	12	3,037
2/8/2016 13:00	2016	2	8	13	3,057
2/8/2016 14:00	2016	2	8	14	2,997
2/8/2016 15:00	2016	2	8	15	2,961
2/8/2016 16:00	2016	2	8	16	2,998
2/8/2016 17:00	2016	2	8	17	3,114
2/8/2016 18:00	2016	2	8	18	3,302
2/8/2016 19:00	2016	2	8	19	3,317
2/8/2016 20:00	2016	2	8	20	3,328
2/8/2016 21:00	2016	2	8	21	3,278
2/8/2016 22:00	2016	2	8	22	3,157
2/8/2016 23:00	2016	2	8	23	3,095
2/9/2016 0:00	2016	2	9	0	2,987
2/9/2016 1:00	2016	2	9	1	2,930
2/9/2016 2:00	2016	2	9	2	2,951
2/9/2016 3:00	2016	2	9	3	3,034
2/9/2016 4:00	2016	2	9	4	3,056

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2/9/2016 5:00	2016	2	9	5	3,202
2/9/2016 6:00	2016	2	9	6	3,447
2/9/2016 7:00	2016	2	9	7	3,626
2/9/2016 8:00	2016	2	9	8	3,714
2/9/2016 9:00	2016	2	9	9	3,733
2/9/2016 10:00	2016	2	9	10	3,637
2/9/2016 11:00	2016	2	9	11	3,640
2/9/2016 12:00	2016	2	9	12	3,641
2/9/2016 13:00	2016	2	9	13	3,593
2/9/2016 14:00	2016	2	9	14	3,546
2/9/2016 15:00	2016	2	9	15	3,544
2/9/2016 16:00	2016	2	9	16	3,593
2/9/2016 17:00	2016	2	9	17	3,689
2/9/2016 18:00	2016	2	9	18	3,816
2/9/2016 19:00	2016	2	9	19	3,835
2/9/2016 20:00	2016	2	9	20	3,794
2/9/2016 21:00	2016	2	9	21	3,708
2/9/2016 22:00	2016	2	9	22	3,565
2/9/2016 23:00	2016	2	9	23	3,479
2/10/2016 0:00	2016	2	10	0	3,428
2/10/2016 1:00	2016	2	10	1	3,429
2/10/2016 2:00	2016	2	10	2	3,354
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2/10/2016 4:00	2016	2	10	4	3,481
2/10/2016 5:00	2016	2	10	5	3,623
2/10/2016 6:00	2016	2	10	6	3,892
2/10/2016 7:00	2016	2	10	7	4,031
2/10/2016 8:00	2016	2	10	8	4,043
2/10/2016 9:00	2016	2	10	9	4,039
2/10/2016 10:00	2016	2	10	10	3,971
2/10/2016 11:00	2016	2	10	11	3,891
2/10/2016 12:00	2016	2	10	12	3,878
2/10/2016 13:00	2016	2	10	13	3,825
2/10/2016 14:00	2016	2	10	14	3,743
2/10/2016 15:00	2016	2	10	15	3,684
2/10/2016 16:00	2016	2	10	16	3,677
2/10/2016 17:00	2016	2	10	17	3,729
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2/10/2016 20:00	2016	2	10	20	3,865
2/10/2016 21:00	2016	2	10	21	3,778
2/10/2016 22:00	2016	2	10	22	3,627

2/10/2016 23:00	2016	2	10	23	3,504
2/11/2016 0:00	2016	2	11	0	3,431
2/11/2016 1:00	2016	2	11	1	3,372
2/11/2016 2:00	2016	2	11	2	3,332
2/11/2016 3:00	2016	2	11	3	3,308
2/11/2016 4:00	2016	2	11	4	3,372
2/11/2016 5:00	2016	2	11	5	3,536
2/11/2016 6:00	2016	2	11	6	3,800
2/11/2016 7:00	2016	2	11	7	3,938
2/11/2016 8:00	2016	2	11	8	3,915
2/11/2016 9:00	2016	2	11	9	3,787
2/11/2016 10:00	2016	2	11	10	3,643
2/11/2016 11:00	2016	2	11	11	3,485
2/11/2016 12:00	2016	2	11	12	3,357
2/11/2016 13:00	2016	2	11	13	3,215
2/11/2016 14:00	2016	2	11	14	3,114
2/11/2016 15:00	2016	2	11	15	3,024
2/11/2016 16:00	2016	2	11	16	2,991
2/11/2016 17:00	2016	2	11	17	3,094
2/11/2016 18:00	2016	2	11	18	3,340
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2/11/2016 22:00	2016	2	11	22	3,300
2/11/2016 23:00	2016	2	11	23	3,171
2/12/2016 0:00	2016	2	12	0	3,115
2/12/2016 1:00	2016	2	12	1	3,037
2/12/2016 2:00	2016	2	12	2	3,026
2/12/2016 3:00	2016	2	12	3	3,022
2/12/2016 4:00	2016	2	12	4	3,076
2/12/2016 5:00	2016	2	12	5	3,188
2/12/2016 6:00	2016	2	12	6	3,449
2/12/2016 7:00	2016	2	12	7	3,579
2/12/2016 8:00	2016	2	12	8	3,588
2/12/2016 9:00	2016	2	12	9	3,573
2/12/2016 10:00	2016	2	12	10	3,490
2/12/2016 11:00	2016	2	12	11	3,404
2/12/2016 12:00	2016	2	12	12	3,299
2/12/2016 13:00	2016	2	12	13	3,234
2/12/2016 14:00	2016	2	12	14	3,230
2/12/2016 15:00	2016	2	12	15	3,250
2/12/2016 16:00	2016	2	12	16	3,288

2/12/2016 17:00	2016	2	12	17	3,309
2/12/2016 18:00	2016	2	12	18	3,415
2/12/2016 19:00	2016	2	12	19	3,485
2/12/2016 20:00	2016	2	12	20	3,420
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2/13/2016 1:00	2016	2	13	1	3,172
2/13/2016 2:00	2016	2	13	2	3,161
2/13/2016 3:00	2016	2	13	3	3,183
2/13/2016 4:00	2016	2	13	4	3,231
2/13/2016 5:00	2016	2	13	5	3,346
2/13/2016 6:00	2016	2	13	6	3,449
2/13/2016 7:00	2016	2	13	7	3,543
2/13/2016 8:00	2016	2	13	8	3,657
2/13/2016 9:00	2016	2	13	9	3,629
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2/13/2016 11:00	2016	2	13	11	3,424
2/13/2016 12:00	2016	2	13	12	3,279
2/13/2016 13:00	2016	2	13	13	3,099
2/13/2016 14:00	2016	2	13	14	3,019
2/13/2016 15:00	2016	2	13	15	2,957
2/13/2016 16:00	2016	2	13	16	2,896
2/13/2016 17:00	2016	2	13	17	3,003
2/13/2016 18:00	2016	2	13	18	3,278
2/13/2016 19:00	2016	2	13	19	3,393
2/13/2016 20:00	2016	2	13	20	3,479
2/13/2016 21:00	2016	2	13	21	3,458
2/13/2016 22:00	2016	2	13	22	3,384
2/13/2016 23:00	2016	2	13	23	3,386
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2/14/2016 7:00	2016	2	14	7	3,408
2/14/2016 8:00	2016	2	14	8	3,507
2/14/2016 9:00	2016	2	14	9	3,580
2/14/2016 10:00	2016	2	14	10	3,552

2/14/2016 11:00	2016	2	14	11	3,547
2/14/2016 12:00	2016	2	14	12	3,534
2/14/2016 13:00	2016	2	14	13	3,452
2/14/2016 14:00	2016	2	14	14	3,387
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2/14/2016 17:00	2016	2	14	17	3,469
2/14/2016 18:00	2016	2	14	18	3,578
2/14/2016 19:00	2016	2	14	19	3,608
2/14/2016 20:00	2016	2	14	20	3,438
2/14/2016 21:00	2016	2	14	21	3,316
2/14/2016 22:00	2016	2	14	22	3,164
2/14/2016 23:00	2016	2	14	23	3,090
2/15/2016 0:00	2016	2	15	0	2,958
2/15/2016 1:00	2016	2	15	1	2,874
2/15/2016 2:00	2016	2	15	2	2,892
2/15/2016 3:00	2016	2	15	3	2,864
2/15/2016 4:00	2016	2	15	4	2,819
2/15/2016 5:00	2016	2	15	5	2,884
2/15/2016 6:00	2016	2	15	6	3,026
2/15/2016 7:00	2016	2	15	7	3,147
2/15/2016 8:00	2016	2	15	8	3,270
2/15/2016 9:00	2016	2	15	9	3,238
2/15/2016 10:00	2016	2	15	10	3,245
2/15/2016 11:00	2016	2	15	11	3,207
2/15/2016 12:00	2016	2	15	12	3,228
2/15/2016 13:00	2016	2	15	13	3,210
2/15/2016 14:00	2016	2	15	14	3,120
2/15/2016 15:00	2016	2	15	15	3,100
2/15/2016 16:00	2016	2	15	16	3,114
2/15/2016 17:00	2016	2	15	17	3,191
2/15/2016 18:00	2016	2	15	18	3,175
2/15/2016 19:00	2016	2	15	19	3,201
2/15/2016 20:00	2016	2	15	20	3,213
2/15/2016 21:00	2016	2	15	21	3,018
2/15/2016 22:00	2016	2	15	22	2,930
2/15/2016 23:00	2016	2	15	23	2,841
2/16/2016 0:00	2016	2	16	0	2,735
2/16/2016 1:00	2016	2	16	1	2,613
2/16/2016 2:00	2016	2	16	2	2,600
2/16/2016 3:00	2016	2	16	3	2,654
2/16/2016 4:00	2016	2	16	4	2,661

2/16/2016 5:00	2016	2	16	5	2,785
2/16/2016 6:00	2016	2	16	6	3,086
2/16/2016 7:00	2016	2	16	7	3,180
2/16/2016 8:00	2016	2	16	8	3,224
2/16/2016 9:00	2016	2	16	9	3,289
2/16/2016 10:00	2016	2	16	10	3,217
2/16/2016 11:00	2016	2	16	11	3,210
2/16/2016 12:00	2016	2	16	12	3,208
2/16/2016 13:00	2016	2	16	13	3,089
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2/16/2016 15:00	2016	2	16	15	3,061
2/16/2016 16:00	2016	2	16	16	3,052
2/16/2016 17:00	2016	2	16	17	3,110
2/16/2016 18:00	2016	2	16	18	3,223
2/16/2016 19:00	2016	2	16	19	3,248
2/16/2016 20:00	2016	2	16	20	3,141
2/16/2016 21:00	2016	2	16	21	3,051
2/16/2016 22:00	2016	2	16	22	2,925
2/16/2016 23:00	2016	2	16	23	2,800
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2/17/2016 1:00	2016	2	17	1	2,669
2/17/2016 2:00	2016	2	17	2	2,678
2/17/2016 3:00	2016	2	17	3	2,729
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2/17/2016 5:00	2016	2	17	5	2,856
2/17/2016 6:00	2016	2	17	6	3,073
2/17/2016 7:00	2016	2	17	7	3,306
2/17/2016 8:00	2016	2	17	8	3,266
2/17/2016 9:00	2016	2	17	9	3,277
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2/17/2016 11:00	2016	2	17	11	3,258
2/17/2016 12:00	2016	2	17	12	3,241
2/17/2016 13:00	2016	2	17	13	3,178
2/17/2016 14:00	2016	2	17	14	3,135
2/17/2016 15:00	2016	2	17	15	3,122
2/17/2016 16:00	2016	2	17	16	3,101
2/17/2016 17:00	2016	2	17	17	3,152
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2/17/2016 21:00	2016	2	17	21	3,139
2/17/2016 22:00	2016	2	17	22	3,006

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2/17/2016 23:00	2016	2	17	23	2,875
2/18/2016 0:00	2016	2	18	0	2,805
2/18/2016 1:00	2016	2	18	1	2,728
2/18/2016 2:00	2016	2	18	2	2,699
2/18/2016 3:00	2016	2	18	3	2,727
2/18/2016 4:00	2016	2	18	4	2,770
2/18/2016 5:00	2016	2	18	5	2,940
2/18/2016 6:00	2016	2	18	6	3,198
2/18/2016 7:00	2016	2	18	7	3,353
2/18/2016 8:00	2016	2	18	8	3,276
2/18/2016 9:00	2016	2	18	9	3,169
2/18/2016 10:00	2016	2	18	10	3,034
2/18/2016 11:00	2016	2	18	11	2,900
2/18/2016 12:00	2016	2	18	12	2,785
2/18/2016 13:00	2016	2	18	13	2,683
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2/18/2016 16:00	2016	2	18	16	2,518
2/18/2016 17:00	2016	2	18	17	2,569
2/18/2016 18:00	2016	2	18	18	2,749
2/18/2016 19:00	2016	2	18	19	2,861
2/18/2016 20:00	2016	2	18	20	2,869
2/18/2016 21:00	2016	2	18	21	2,810
2/18/2016 22:00	2016	2	18	22	2,688
2/18/2016 23:00	2016	2	18	23	2,614
2/19/2016 0:00	2016	2	19	0	2,509
2/19/2016 1:00	2016	2	19	1	2,467
2/19/2016 2:00	2016	2	19	2	2,400
2/19/2016 3:00	2016	2	19	3	2,384
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2/19/2016 7:00	2016	2	19	7	2,903
2/19/2016 8:00	2016	2	19	8	2,819
2/19/2016 9:00	2016	2	19	9	2,693
2/19/2016 10:00	2016	2	19	10	2,606
2/19/2016 11:00	2016	2	19	11	2,497
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2/19/2016 14:00	2016	2	19	14	2,365
2/19/2016 15:00	2016	2	19	15	2,312
2/19/2016 16:00	2016	2	19	16	2,343

2/19/2016 17:00	2016	2	19	17	2,351
2/19/2016 18:00	2016	2	19	18	2,431
2/19/2016 19:00	2016	2	19	19	2,459
2/19/2016 20:00	2016	2	19	20	2,414
2/19/2016 21:00	2016	2	19	21	2,343
2/19/2016 22:00	2016	2	19	22	2,232
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2/20/2016 3:00	2016	2	20	3	1,848
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2/20/2016 7:00	2016	2	20	7	2,115
2/20/2016 8:00	2016	2	20	8	2,201
2/20/2016 9:00	2016	2	20	9	2,188
2/20/2016 10:00	2016	2	20	10	2,260
2/20/2016 11:00	2016	2	20	11	2,157
2/20/2016 12:00	2016	2	20	12	2,135
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2/20/2016 17:00	2016	2	20	17	1,992
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2/20/2016 19:00	2016	2	20	19	2,067
2/20/2016 20:00	2016	2	20	20	2,066
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2/21/2016 4:00	2016	2	21	4	1,592
2/21/2016 5:00	2016	2	21	5	1,642
2/21/2016 6:00	2016	2	21	6	1,709
2/21/2016 7:00	2016	2	21	7	1,775
2/21/2016 8:00	2016	2	21	8	1,933
2/21/2016 9:00	2016	2	21	9	2,007
2/21/2016 10:00	2016	2	21	10	1,986



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2/21/2016 11:00	2016	2	21	11	1,977
2/21/2016 12:00	2016	2	21	12	1,952
2/21/2016 13:00	2016	2	21	13	1,934
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2/21/2016 15:00	2016	2	21	15	1,892
2/21/2016 16:00	2016	2	21	16	1,990
2/21/2016 17:00	2016	2	21	17	2,084
2/21/2016 18:00	2016	2	21	18	2,191
2/21/2016 19:00	2016	2	21	19	2,207
2/21/2016 20:00	2016	2	21	20	2,199
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2/22/2016 0:00	2016	2	22	0	1,901
2/22/2016 1:00	2016	2	22	1	1,826
2/22/2016 2:00	2016	2	22	2	1,831
2/22/2016 3:00	2016	2	22	3	1,883
2/22/2016 4:00	2016	2	22	4	2,004
2/22/2016 5:00	2016	2	22	5	2,224
2/22/2016 6:00	2016	2	22	6	2,573
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2/22/2016 8:00	2016	2	22	8	2,788
2/22/2016 9:00	2016	2	22	9	2,765
2/22/2016 10:00	2016	2	22	10	2,718
2/22/2016 11:00	2016	2	22	11	2,642
2/22/2016 12:00	2016	2	22	12	2,595
2/22/2016 13:00	2016	2	22	13	2,527
2/22/2016 14:00	2016	2	22	14	2,444
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2/22/2016 17:00	2016	2	22	17	2,496
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2/22/2016 21:00	2016	2	22	21	2,613
2/22/2016 22:00	2016	2	22	22	2,509
2/22/2016 23:00	2016	2	22	23	2,379
2/23/2016 0:00	2016	2	23	0	2,323
2/23/2016 1:00	2016	2	23	1	2,220
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2/23/2016 3:00	2016	2	23	3	2,230
2/23/2016 4:00	2016	2	23	4	2,274

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2/23/2016 5:00	2016	2	23	5	2,437
2/23/2016 6:00	2016	2	23	6	2,706
2/23/2016 7:00	2016	2	23	7	2,853
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2/23/2016 9:00	2016	2	23	9	2,760
2/23/2016 10:00	2016	2	23	10	2,723
2/23/2016 11:00	2016	2	23	11	2,618
2/23/2016 12:00	2016	2	23	12	2,507
2/23/2016 13:00	2016	2	23	13	2,415
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2/23/2016 15:00	2016	2	23	15	2,342
2/23/2016 16:00	2016	2	23	16	2,349
2/23/2016 17:00	2016	2	23	17	2,389
2/23/2016 18:00	2016	2	23	18	2,491
2/23/2016 19:00	2016	2	23	19	2,559
2/23/2016 20:00	2016	2	23	20	2,547
2/23/2016 21:00	2016	2	23	21	2,444
2/23/2016 22:00	2016	2	23	22	2,335
2/23/2016 23:00	2016	2	23	23	2,196
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2/24/2016 2:00	2016	2	24	2	1,973
2/24/2016 3:00	2016	2	24	3	1,916
2/24/2016 4:00	2016	2	24	4	1,970
2/24/2016 5:00	2016	2	24	5	2,080
2/24/2016 6:00	2016	2	24	6	2,340
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2/24/2016 16:00	2016	2	24	16	2,637
2/24/2016 17:00	2016	2	24	17	2,721
2/24/2016 18:00	2016	2	24	18	2,847
2/24/2016 19:00	2016	2	24	19	2,905
2/24/2016 20:00	2016	2	24	20	2,924
2/24/2016 21:00	2016	2	24	21	2,965
2/24/2016 22:00	2016	2	24	22	2,857

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2/24/2016 23:00	2016	2	24	23	2,737
2/25/2016 0:00	2016	2	25	0	2,592
2/25/2016 1:00	2016	2	25	1	2,586
2/25/2016 2:00	2016	2	25	2	2,611
2/25/2016 3:00	2016	2	25	3	2,600
2/25/2016 4:00	2016	2	25	4	2,641
2/25/2016 5:00	2016	2	25	5	2,710
2/25/2016 6:00	2016	2	25	6	3,052
2/25/2016 7:00	2016	2	25	7	3,171
2/25/2016 8:00	2016	2	25	8	3,191
2/25/2016 9:00	2016	2	25	9	3,206
2/25/2016 10:00	2016	2	25	10	3,238
2/25/2016 11:00	2016	2	25	11	3,185
2/25/2016 12:00	2016	2	25	12	3,150
2/25/2016 13:00	2016	2	25	13	3,095
2/25/2016 14:00	2016	2	25	14	3,080
2/25/2016 15:00	2016	2	25	15	3,041
2/25/2016 16:00	2016	2	25	16	3,058
2/25/2016 17:00	2016	2	25	17	3,097
2/25/2016 18:00	2016	2	25	18	3,144
2/25/2016 19:00	2016	2	25	19	3,183
2/25/2016 20:00	2016	2	25	20	3,120
2/25/2016 21:00	2016	2	25	21	3,018
2/25/2016 22:00	2016	2	25	22	2,923
2/25/2016 23:00	2016	2	25	23	2,786
2/26/2016 0:00	2016	2	26	0	2,685
2/26/2016 1:00	2016	2	26	1	2,626
2/26/2016 2:00	2016	2	26	2	2,589
2/26/2016 3:00	2016	2	26	3	2,565
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2/26/2016 5:00	2016	2	26	5	2,742
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2/26/2016 11:00	2016	2	26	11	3,070
2/26/2016 12:00	2016	2	26	12	2,935
2/26/2016 13:00	2016	2	26	13	2,904
2/26/2016 14:00	2016	2	26	14	2,774
2/26/2016 15:00	2016	2	26	15	2,652
2/26/2016 16:00	2016	2	26	16	2,640

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2/26/2016 17:00	2016	2	26	17	2,617
2/26/2016 18:00	2016	2	26	18	2,715
2/26/2016 19:00	2016	2	26	19	2,916
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2/26/2016 21:00	2016	2	26	21	2,837
2/26/2016 22:00	2016	2	26	22	2,769
2/26/2016 23:00	2016	2	26	23	2,695
2/27/2016 0:00	2016	2	27	0	2,549
2/27/2016 1:00	2016	2	27	1	2,479
2/27/2016 2:00	2016	2	27	2	2,437
2/27/2016 3:00	2016	2	27	3	2,422
2/27/2016 4:00	2016	2	27	4	2,484
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2/27/2016 6:00	2016	2	27	6	2,696
2/27/2016 7:00	2016	2	27	7	2,769
2/27/2016 8:00	2016	2	27	8	2,770
2/27/2016 9:00	2016	2	27	9	2,734
2/27/2016 10:00	2016	2	27	10	2,577
2/27/2016 11:00	2016	2	27	11	2,421
2/27/2016 12:00	2016	2	27	12	2,295
2/27/2016 13:00	2016	2	27	13	2,195
2/27/2016 14:00	2016	2	27	14	2,200
2/27/2016 15:00	2016	2	27	15	2,101
2/27/2016 16:00	2016	2	27	16	2,105
2/27/2016 17:00	2016	2	27	17	2,068
2/27/2016 18:00	2016	2	27	18	2,209
2/27/2016 19:00	2016	2	27	19	2,314
2/27/2016 20:00	2016	2	27	20	2,376
2/27/2016 21:00	2016	2	27	21	2,294
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2/28/2016 0:00	2016	2	28	0	2,145
2/28/2016 1:00	2016	2	28	1	2,129
2/28/2016 2:00	2016	2	28	2	2,036
2/28/2016 3:00	2016	2	28	3	2,075
2/28/2016 4:00	2016	2	28	4	2,148
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2/28/2016 9:00	2016	2	28	9	2,310
2/28/2016 10:00	2016	2	28	10	2,162

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2/28/2016 11:00	2016	2	28	11	2,151
2/28/2016 12:00	2016	2	28	12	2,032
2/28/2016 13:00	2016	2	28	13	1,966
2/28/2016 14:00	2016	2	28	14	1,936
2/28/2016 15:00	2016	2	28	15	1,887
2/28/2016 16:00	2016	2	28	16	1,883
2/28/2016 17:00	2016	2	28	17	1,972
2/28/2016 18:00	2016	2	28	18	2,098
2/28/2016 19:00	2016	2	28	19	2,206
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2/28/2016 21:00	2016	2	28	21	2,132
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2/28/2016 23:00	2016	2	28	23	1,938
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2/29/2016 1:00	2016	2	29	1	1,856
2/29/2016 2:00	2016	2	29	2	1,810
2/29/2016 3:00	2016	2	29	3	1,862
2/29/2016 4:00	2016	2	29	4	1,909
2/29/2016 5:00	2016	2	29	5	2,064
2/29/2016 6:00	2016	2	29	6	2,381
2/29/2016 7:00	2016	2	29	7	2,592
2/29/2016 8:00	2016	2	29	8	2,579
2/29/2016 9:00	2016	2	29	9	2,580
2/29/2016 10:00	2016	2	29	10	2,564
2/29/2016 11:00	2016	2	29	11	2,510
2/29/2016 12:00	2016	2	29	12	2,478
2/29/2016 13:00	2016	2	29	13	2,414
2/29/2016 14:00	2016	2	29	14	2,399
2/29/2016 15:00	2016	2	29	15	2,318
2/29/2016 16:00	2016	2	29	16	2,280
2/29/2016 17:00	2016	2	29	17	2,308
2/29/2016 18:00	2016	2	29	18	2,415
2/29/2016 19:00	2016	2	29	19	2,554
2/29/2016 20:00	2016	2	29	20	2,559
2/29/2016 21:00	2016	2	29	21	2,462
2/29/2016 22:00	2016	2	29	22	2,425
2/29/2016 23:00	2016	2	29	23	2,300
3/1/2016 0:00	2016	3	1	0	2,255
3/1/2016 1:00	2016	3	1	1	2,230
3/1/2016 2:00	2016	3	1	2	2,216
3/1/2016 3:00	2016	3	1	3	2,252
3/1/2016 4:00	2016	3	1	4	2,274

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3/1/2016 5:00	2016	3	1	5	2,433
3/1/2016 6:00	2016	3	1	6	2,711
3/1/2016 7:00	2016	3	1	7	2,893
3/1/2016 8:00	2016	3	1	8	2,800
3/1/2016 9:00	2016	3	1	9	2,718
3/1/2016 10:00	2016	3	1	10	2,619
3/1/2016 11:00	2016	3	1	11	2,552
3/1/2016 12:00	2016	3	1	12	2,540
3/1/2016 13:00	2016	3	1	13	2,522
3/1/2016 14:00	2016	3	1	14	2,528
3/1/2016 15:00	2016	3	1	15	2,500
3/1/2016 16:00	2016	3	1	16	2,507
3/1/2016 17:00	2016	3	1	17	2,612
3/1/2016 18:00	2016	3	1	18	2,644
3/1/2016 19:00	2016	3	1	19	2,775
3/1/2016 20:00	2016	3	1	20	2,786
3/1/2016 21:00	2016	3	1	21	2,802
3/1/2016 22:00	2016	3	1	22	2,763
3/1/2016 23:00	2016	3	1	23	2,646
3/2/2016 0:00	2016	3	2	0	2,589
3/2/2016 1:00	2016	3	2	1	2,559
3/2/2016 2:00	2016	3	2	2	2,539
3/2/2016 3:00	2016	3	2	3	2,566
3/2/2016 4:00	2016	3	2	4	2,640
3/2/2016 5:00	2016	3	2	5	2,789
3/2/2016 6:00	2016	3	2	6	3,123
3/2/2016 7:00	2016	3	2	7	3,286
3/2/2016 8:00	2016	3	2	8	3,347
3/2/2016 9:00	2016	3	2	9	3,334
3/2/2016 10:00	2016	3	2	10	3,277
3/2/2016 11:00	2016	3	2	11	3,163
3/2/2016 12:00	2016	3	2	12	3,074
3/2/2016 13:00	2016	3	2	13	2,930
3/2/2016 14:00	2016	3	2	14	2,893
3/2/2016 15:00	2016	3	2	15	2,776
3/2/2016 16:00	2016	3	2	16	2,729
3/2/2016 17:00	2016	3	2	17	2,743
3/2/2016 18:00	2016	3	2	18	2,883
3/2/2016 19:00	2016	3	2	19	3,085
3/2/2016 20:00	2016	3	2	20	3,082
3/2/2016 21:00	2016	3	2	21	3,048
3/2/2016 22:00	2016	3	2	22	2,953

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3/2/2016 23:00	2016	3	2	23	2,832
3/3/2016 0:00	2016	3	3	0	2,767
3/3/2016 1:00	2016	3	3	1	2,706
3/3/2016 2:00	2016	3	3	2	2,670
3/3/2016 3:00	2016	3	3	3	2,636
3/3/2016 4:00	2016	3	3	4	2,630
3/3/2016 5:00	2016	3	3	5	2,779
3/3/2016 6:00	2016	3	3	6	3,089
3/3/2016 7:00	2016	3	3	7	3,189
3/3/2016 8:00	2016	3	3	8	3,228
3/3/2016 9:00	2016	3	3	9	3,203
3/3/2016 10:00	2016	3	3	10	3,179
3/3/2016 11:00	2016	3	3	11	3,183
3/3/2016 12:00	2016	3	3	12	3,166
3/3/2016 13:00	2016	3	3	13	3,154
3/3/2016 14:00	2016	3	3	14	3,096
3/3/2016 15:00	2016	3	3	15	3,063
3/3/2016 16:00	2016	3	3	16	3,009
3/3/2016 17:00	2016	3	3	17	3,059
3/3/2016 18:00	2016	3	3	18	3,075
3/3/2016 19:00	2016	3	3	19	3,146
3/3/2016 20:00	2016	3	3	20	3,113
3/3/2016 21:00	2016	3	3	21	2,997
3/3/2016 22:00	2016	3	3	22	2,856
3/3/2016 23:00	2016	3	3	23	2,667
3/4/2016 0:00	2016	3	4	0	2,608
3/4/2016 1:00	2016	3	4	1	2,529
3/4/2016 2:00	2016	3	4	2	2,490
3/4/2016 3:00	2016	3	4	3	2,478
3/4/2016 4:00	2016	3	4	4	2,568
3/4/2016 5:00	2016	3	4	5	2,632
3/4/2016 6:00	2016	3	4	6	2,936
3/4/2016 7:00	2016	3	4	7	3,085
3/4/2016 8:00	2016	3	4	8	3,034
3/4/2016 9:00	2016	3	4	9	3,032
3/4/2016 10:00	2016	3	4	10	3,028
3/4/2016 11:00	2016	3	4	11	3,012
3/4/2016 12:00	2016	3	4	12	2,963
3/4/2016 13:00	2016	3	4	13	2,894
3/4/2016 14:00	2016	3	4	14	2,851
3/4/2016 15:00	2016	3	4	15	2,794
3/4/2016 16:00	2016	3	4	16	2,728

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3/4/2016 17:00	2016	3	4	17	2,767
3/4/2016 18:00	2016	3	4	18	2,818
3/4/2016 19:00	2016	3	4	19	2,875
3/4/2016 20:00	2016	3	4	20	2,862
3/4/2016 21:00	2016	3	4	21	2,863
3/4/2016 22:00	2016	3	4	22	2,769
3/4/2016 23:00	2016	3	4	23	2,711
3/5/2016 0:00	2016	3	5	0	2,677
3/5/2016 1:00	2016	3	5	1	2,604
3/5/2016 2:00	2016	3	5	2	2,591
3/5/2016 3:00	2016	3	5	3	2,591
3/5/2016 4:00	2016	3	5	4	2,592
3/5/2016 5:00	2016	3	5	5	2,611
3/5/2016 6:00	2016	3	5	6	2,713
3/5/2016 7:00	2016	3	5	7	2,762
3/5/2016 8:00	2016	3	5	8	2,791
3/5/2016 9:00	2016	3	5	9	2,796
3/5/2016 10:00	2016	3	5	10	2,738
3/5/2016 11:00	2016	3	5	11	2,678
3/5/2016 12:00	2016	3	5	12	2,657
3/5/2016 13:00	2016	3	5	13	2,523
3/5/2016 14:00	2016	3	5	14	2,501
3/5/2016 15:00	2016	3	5	15	2,488
3/5/2016 16:00	2016	3	5	16	2,498
3/5/2016 17:00	2016	3	5	17	2,496
3/5/2016 18:00	2016	3	5	18	2,562
3/5/2016 19:00	2016	3	5	19	2,611
3/5/2016 20:00	2016	3	5	20	2,573
3/5/2016 21:00	2016	3	5	21	2,500
3/5/2016 22:00	2016	3	5	22	2,452
3/5/2016 23:00	2016	3	5	23	2,340
3/6/2016 0:00	2016	3	6	0	2,302
3/6/2016 1:00	2016	3	6	1	2,260
3/6/2016 2:00	2016	3	6	2	2,286
3/6/2016 3:00	2016	3	6	3	2,340
3/6/2016 4:00	2016	3	6	4	2,383
3/6/2016 5:00	2016	3	6	5	2,456
3/6/2016 6:00	2016	3	6	6	2,576
3/6/2016 7:00	2016	3	6	7	2,661
3/6/2016 8:00	2016	3	6	8	2,662
3/6/2016 9:00	2016	3	6	9	2,526
3/6/2016 10:00	2016	3	6	10	2,425



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3/6/2016 11:00	2016	3	6	11	2,252
3/6/2016 12:00	2016	3	6	12	2,162
3/6/2016 13:00	2016	3	6	13	2,090
3/6/2016 14:00	2016	3	6	14	2,043
3/6/2016 15:00	2016	3	6	15	2,010
3/6/2016 16:00	2016	3	6	16	2,016
3/6/2016 17:00	2016	3	6	17	2,073
3/6/2016 18:00	2016	3	6	18	2,183
3/6/2016 19:00	2016	3	6	19	2,343
3/6/2016 20:00	2016	3	6	20	2,391
3/6/2016 21:00	2016	3	6	21	2,302
3/6/2016 22:00	2016	3	6	22	2,186
3/6/2016 23:00	2016	3	6	23	2,115
3/7/2016 0:00	2016	3	7	0	2,055
3/7/2016 1:00	2016	3	7	1	2,113
3/7/2016 2:00	2016	3	7	2	2,149
3/7/2016 3:00	2016	3	7	3	2,121
3/7/2016 4:00	2016	3	7	4	2,196
3/7/2016 5:00	2016	3	7	5	2,316
3/7/2016 6:00	2016	3	7	6	2,645
3/7/2016 7:00	2016	3	7	7	2,768
3/7/2016 8:00	2016	3	7	8	2,747
3/7/2016 9:00	2016	3	7	9	2,687
3/7/2016 10:00	2016	3	7	10	2,647
3/7/2016 11:00	2016	3	7	11	2,582
3/7/2016 12:00	2016	3	7	12	2,460
3/7/2016 13:00	2016	3	7	13	2,404
3/7/2016 14:00	2016	3	7	14	2,388
3/7/2016 15:00	2016	3	7	15	2,387
3/7/2016 16:00	2016	3	7	16	2,357
3/7/2016 17:00	2016	3	7	17	2,373
3/7/2016 18:00	2016	3	7	18	2,471
3/7/2016 19:00	2016	3	7	19	2,557
3/7/2016 20:00	2016	3	7	20	2,520
3/7/2016 21:00	2016	3	7	21	2,424
3/7/2016 22:00	2016	3	7	22	2,242
3/7/2016 23:00	2016	3	7	23	2,113
3/8/2016 0:00	2016	3	8	0	2,041
3/8/2016 1:00	2016	3	8	1	1,909
3/8/2016 2:00	2016	3	8	2	1,857
3/8/2016 3:00	2016	3	8	3	1,879
3/8/2016 4:00	2016	3	8	4	1,936

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3/8/2016 5:00	2016	3	8	5	2,081
3/8/2016 6:00	2016	3	8	6	2,365
3/8/2016 7:00	2016	3	8	7	2,529
3/8/2016 8:00	2016	3	8	8	2,492
3/8/2016 9:00	2016	3	8	9	2,437
3/8/2016 10:00	2016	3	8	10	2,374
3/8/2016 11:00	2016	3	8	11	2,344
3/8/2016 12:00	2016	3	8	12	2,377
3/8/2016 13:00	2016	3	8	13	2,340
3/8/2016 14:00	2016	3	8	14	2,350
3/8/2016 15:00	2016	3	8	15	2,346
3/8/2016 16:00	2016	3	8	16	2,311
3/8/2016 17:00	2016	3	8	17	2,312
3/8/2016 18:00	2016	3	8	18	2,355
3/8/2016 19:00	2016	3	8	19	2,484
3/8/2016 20:00	2016	3	8	20	2,433
3/8/2016 21:00	2016	3	8	21	2,316
3/8/2016 22:00	2016	3	8	22	2,169
3/8/2016 23:00	2016	3	8	23	2,037
3/9/2016 0:00	2016	3	9	0	1,949
3/9/2016 1:00	2016	3	9	1	1,863
3/9/2016 2:00	2016	3	9	2	1,815
3/9/2016 3:00	2016	3	9	3	1,794
3/9/2016 4:00	2016	3	9	4	1,817
3/9/2016 5:00	2016	3	9	5	1,947
3/9/2016 6:00	2016	3	9	6	2,285
3/9/2016 7:00	2016	3	9	7	2,403
3/9/2016 8:00	2016	3	9	8	2,480
3/9/2016 9:00	2016	3	9	9	2,416
3/9/2016 10:00	2016	3	9	10	2,366
3/9/2016 11:00	2016	3	9	11	2,385
3/9/2016 12:00	2016	3	9	12	2,382
3/9/2016 13:00	2016	3	9	13	2,316
3/9/2016 14:00	2016	3	9	14	2,345
3/9/2016 15:00	2016	3	9	15	2,327
3/9/2016 16:00	2016	3	9	16	2,371
3/9/2016 17:00	2016	3	9	17	2,328
3/9/2016 18:00	2016	3	9	18	2,310
3/9/2016 19:00	2016	3	9	19	2,403
3/9/2016 20:00	2016	3	9	20	2,381
3/9/2016 21:00	2016	3	9	21	2,354
3/9/2016 22:00	2016	3	9	22	2,174

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3/9/2016 23:00	2016	3	9	23	2,024
3/10/2016 0:00	2016	3	10	0	1,897
3/10/2016 1:00	2016	3	10	1	1,790
3/10/2016 2:00	2016	3	10	2	1,755
3/10/2016 3:00	2016	3	10	3	1,697
3/10/2016 4:00	2016	3	10	4	1,730
3/10/2016 5:00	2016	3	10	5	1,943
3/10/2016 6:00	2016	3	10	6	2,134
3/10/2016 7:00	2016	3	10	7	2,358
3/10/2016 8:00	2016	3	10	8	2,357
3/10/2016 9:00	2016	3	10	9	2,327
3/10/2016 10:00	2016	3	10	10	2,324
3/10/2016 11:00	2016	3	10	11	2,352
3/10/2016 12:00	2016	3	10	12	2,477
3/10/2016 13:00	2016	3	10	13	2,379
3/10/2016 14:00	2016	3	10	14	2,397
3/10/2016 15:00	2016	3	10	15	2,325
3/10/2016 16:00	2016	3	10	16	2,294
3/10/2016 17:00	2016	3	10	17	2,314
3/10/2016 18:00	2016	3	10	18	2,447
3/10/2016 19:00	2016	3	10	19	2,442
3/10/2016 20:00	2016	3	10	20	2,457
3/10/2016 21:00	2016	3	10	21	2,316
3/10/2016 22:00	2016	3	10	22	2,215
3/10/2016 23:00	2016	3	10	23	2,012
3/11/2016 0:00	2016	3	11	0	1,927
3/11/2016 1:00	2016	3	11	1	1,807
3/11/2016 2:00	2016	3	11	2	1,768
3/11/2016 3:00	2016	3	11	3	1,686
3/11/2016 4:00	2016	3	11	4	1,717
3/11/2016 5:00	2016	3	11	5	1,826
3/11/2016 6:00	2016	3	11	6	2,180
3/11/2016 7:00	2016	3	11	7	2,305
3/11/2016 8:00	2016	3	11	8	2,347
3/11/2016 9:00	2016	3	11	9	2,415
3/11/2016 10:00	2016	3	11	10	2,397
3/11/2016 11:00	2016	3	11	11	2,375
3/11/2016 12:00	2016	3	11	12	2,366
3/11/2016 13:00	2016	3	11	13	2,325
3/11/2016 14:00	2016	3	11	14	2,249
3/11/2016 15:00	2016	3	11	15	2,227
3/11/2016 16:00	2016	3	11	16	2,183

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3/11/2016 17:00	2016	3	11	17	2,134
3/11/2016 18:00	2016	3	11	18	2,173
3/11/2016 19:00	2016	3	11	19	2,301
3/11/2016 20:00	2016	3	11	20	2,279
3/11/2016 21:00	2016	3	11	21	2,146
3/11/2016 22:00	2016	3	11	22	2,090
3/11/2016 23:00	2016	3	11	23	1,987
3/12/2016 0:00	2016	3	12	0	1,892
3/12/2016 1:00	2016	3	12	1	1,786
3/12/2016 2:00	2016	3	12	2	1,666
3/12/2016 3:00	2016	3	12	3	1,632
3/12/2016 4:00	2016	3	12	4	1,627
3/12/2016 5:00	2016	3	12	5	1,674
3/12/2016 6:00	2016	3	12	6	1,760
3/12/2016 7:00	2016	3	12	7	1,867
3/12/2016 8:00	2016	3	12	8	1,967
3/12/2016 9:00	2016	3	12	9	2,039
3/12/2016 10:00	2016	3	12	10	2,082
3/12/2016 11:00	2016	3	12	11	2,064
3/12/2016 12:00	2016	3	12	12	2,041
3/12/2016 13:00	2016	3	12	13	2,013
3/12/2016 14:00	2016	3	12	14	2,024
3/12/2016 15:00	2016	3	12	15	2,038
3/12/2016 16:00	2016	3	12	16	2,024
3/12/2016 17:00	2016	3	12	17	2,051
3/12/2016 18:00	2016	3	12	18	2,078
3/12/2016 19:00	2016	3	12	19	2,122
3/12/2016 20:00	2016	3	12	20	2,085
3/12/2016 21:00	2016	3	12	21	1,998
3/12/2016 22:00	2016	3	12	22	1,898
3/12/2016 23:00	2016	3	12	23	1,761
3/13/2016 0:00	2016	3	13	0	1,687
3/13/2016 1:00	2016	3	13	1	1,615
3/13/2016 2:00	2016	3	13	2	1,566
3/13/2016 3:00	2016	3	13	3	1,560
3/13/2016 4:00	2016	3	13	4	1,604
3/13/2016 5:00	2016	3	13	5	1,601
3/13/2016 6:00	2016	3	13	6	1,700
3/13/2016 7:00	2016	3	13	7	1,781
3/13/2016 8:00	2016	3	13	8	1,840
3/13/2016 9:00	2016	3	13	9	1,915
3/13/2016 10:00	2016	3	13	10	1,932

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3/13/2016 11:00	2016	3	13	11	1,932
3/13/2016 12:00	2016	3	13	12	1,960
3/13/2016 13:00	2016	3	13	13	1,924
3/13/2016 14:00	2016	3	13	14	1,904
3/13/2016 15:00	2016	3	13	15	1,970
3/13/2016 16:00	2016	3	13	16	1,962
3/13/2016 17:00	2016	3	13	17	2,013
3/13/2016 18:00	2016	3	13	18	2,008
3/13/2016 19:00	2016	3	13	19	2,137
3/13/2016 20:00	2016	3	13	20	2,076
3/13/2016 21:00	2016	3	13	21	1,986
3/13/2016 22:00	2016	3	13	22	1,815
3/13/2016 23:00	2016	3	13	23	1,727
3/14/2016 0:00	2016	3	14	0	1,691
3/14/2016 1:00	2016	3	14	1	1,656
3/14/2016 2:00	2016	3	14	2	1,627
3/14/2016 3:00	2016	3	14	3	1,657
3/14/2016 4:00	2016	3	14	4	1,844
3/14/2016 5:00	2016	3	14	5	2,087
3/14/2016 6:00	2016	3	14	6	2,324
3/14/2016 7:00	2016	3	14	7	2,322
3/14/2016 8:00	2016	3	14	8	2,363
3/14/2016 9:00	2016	3	14	9	2,378
3/14/2016 10:00	2016	3	14	10	2,355
3/14/2016 11:00	2016	3	14	11	2,336
3/14/2016 12:00	2016	3	14	12	2,326
3/14/2016 13:00	2016	3	14	13	2,334
3/14/2016 14:00	2016	3	14	14	2,330
3/14/2016 15:00	2016	3	14	15	2,272
3/14/2016 16:00	2016	3	14	16	2,307
3/14/2016 17:00	2016	3	14	17	2,292
3/14/2016 18:00	2016	3	14	18	2,310
3/14/2016 19:00	2016	3	14	19	2,411
3/14/2016 20:00	2016	3	14	20	2,312
3/14/2016 21:00	2016	3	14	21	2,152
3/14/2016 22:00	2016	3	14	22	1,991
3/14/2016 23:00	2016	3	14	23	1,803
3/15/2016 0:00	2016	3	15	0	1,751
3/15/2016 1:00	2016	3	15	1	1,751
3/15/2016 2:00	2016	3	15	2	1,767
3/15/2016 3:00	2016	3	15	3	1,768
3/15/2016 4:00	2016	3	15	4	1,897

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3/15/2016 5:00	2016	3	15	5	2,169
3/15/2016 6:00	2016	3	15	6	2,327
3/15/2016 7:00	2016	3	15	7	2,313
3/15/2016 8:00	2016	3	15	8	2,334
3/15/2016 9:00	2016	3	15	9	2,384
3/15/2016 10:00	2016	3	15	10	2,333
3/15/2016 11:00	2016	3	15	11	2,395
3/15/2016 12:00	2016	3	15	12	2,411
3/15/2016 13:00	2016	3	15	13	2,364
3/15/2016 14:00	2016	3	15	14	2,372
3/15/2016 15:00	2016	3	15	15	2,355
3/15/2016 16:00	2016	3	15	16	2,424
3/15/2016 17:00	2016	3	15	17	2,375
3/15/2016 18:00	2016	3	15	18	2,348
3/15/2016 19:00	2016	3	15	19	2,457
3/15/2016 20:00	2016	3	15	20	2,472
3/15/2016 21:00	2016	3	15	21	2,304
3/15/2016 22:00	2016	3	15	22	2,098
3/15/2016 23:00	2016	3	15	23	1,948
3/16/2016 0:00	2016	3	16	0	1,844
3/16/2016 1:00	2016	3	16	1	1,798
3/16/2016 2:00	2016	3	16	2	1,750
3/16/2016 3:00	2016	3	16	3	1,776
3/16/2016 4:00	2016	3	16	4	1,886
3/16/2016 5:00	2016	3	16	5	2,139
3/16/2016 6:00	2016	3	16	6	2,280
3/16/2016 7:00	2016	3	16	7	2,326
3/16/2016 8:00	2016	3	16	8	2,367
3/16/2016 9:00	2016	3	16	9	2,366
3/16/2016 10:00	2016	3	16	10	2,357
3/16/2016 11:00	2016	3	16	11	2,393
3/16/2016 12:00	2016	3	16	12	2,351
3/16/2016 13:00	2016	3	16	13	2,381
3/16/2016 14:00	2016	3	16	14	2,323
3/16/2016 15:00	2016	3	16	15	2,293
3/16/2016 16:00	2016	3	16	16	2,334
3/16/2016 17:00	2016	3	16	17	2,295
3/16/2016 18:00	2016	3	16	18	2,278
3/16/2016 19:00	2016	3	16	19	2,408
3/16/2016 20:00	2016	3	16	20	2,322
3/16/2016 21:00	2016	3	16	21	2,137
3/16/2016 22:00	2016	3	16	22	2,016

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3/16/2016 23:00	2016	3	16	23	1,929
3/17/2016 0:00	2016	3	17	0	1,840
3/17/2016 1:00	2016	3	17	1	1,789
3/17/2016 2:00	2016	3	17	2	1,789
3/17/2016 3:00	2016	3	17	3	1,799
3/17/2016 4:00	2016	3	17	4	1,941
3/17/2016 5:00	2016	3	17	5	2,211
3/17/2016 6:00	2016	3	17	6	2,440
3/17/2016 7:00	2016	3	17	7	2,442
3/17/2016 8:00	2016	3	17	8	2,451
3/17/2016 9:00	2016	3	17	9	2,430
3/17/2016 10:00	2016	3	17	10	2,372
3/17/2016 11:00	2016	3	17	11	2,354
3/17/2016 12:00	2016	3	17	12	2,334
3/17/2016 13:00	2016	3	17	13	2,318
3/17/2016 14:00	2016	3	17	14	2,292
3/17/2016 15:00	2016	3	17	15	2,213
3/17/2016 16:00	2016	3	17	16	2,179
3/17/2016 17:00	2016	3	17	17	2,187
3/17/2016 18:00	2016	3	17	18	2,209
3/17/2016 19:00	2016	3	17	19	2,366
3/17/2016 20:00	2016	3	17	20	2,288
3/17/2016 21:00	2016	3	17	21	2,158
3/17/2016 22:00	2016	3	17	22	2,027
3/17/2016 23:00	2016	3	17	23	1,922
3/18/2016 0:00	2016	3	18	0	1,898
3/18/2016 1:00	2016	3	18	1	1,891
3/18/2016 2:00	2016	3	18	2	1,895
3/18/2016 3:00	2016	3	18	3	1,973
3/18/2016 4:00	2016	3	18	4	2,067
3/18/2016 5:00	2016	3	18	5	2,377
3/18/2016 6:00	2016	3	18	6	2,630
3/18/2016 7:00	2016	3	18	7	2,574
3/18/2016 8:00	2016	3	18	8	2,502
3/18/2016 9:00	2016	3	18	9	2,439
3/18/2016 10:00	2016	3	18	10	2,359
3/18/2016 11:00	2016	3	18	11	2,336
3/18/2016 12:00	2016	3	18	12	2,324
3/18/2016 13:00	2016	3	18	13	2,272
3/18/2016 14:00	2016	3	18	14	2,246
3/18/2016 15:00	2016	3	18	15	2,202
3/18/2016 16:00	2016	3	18	16	2,152

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3/18/2016 17:00	2016	3	18	17	2,172
3/18/2016 18:00	2016	3	18	18	2,156
3/18/2016 19:00	2016	3	18	19	2,258
3/18/2016 20:00	2016	3	18	20	2,161
3/18/2016 21:00	2016	3	18	21	2,096
3/18/2016 22:00	2016	3	18	22	1,989
3/18/2016 23:00	2016	3	18	23	1,909
3/19/2016 0:00	2016	3	19	0	1,815
3/19/2016 1:00	2016	3	19	1	1,796
3/19/2016 2:00	2016	3	19	2	1,755
3/19/2016 3:00	2016	3	19	3	1,806
3/19/2016 4:00	2016	3	19	4	1,808
3/19/2016 5:00	2016	3	19	5	1,969
3/19/2016 6:00	2016	3	19	6	2,067
3/19/2016 7:00	2016	3	19	7	2,193
3/19/2016 8:00	2016	3	19	8	2,286
3/19/2016 9:00	2016	3	19	9	2,312
3/19/2016 10:00	2016	3	19	10	2,344
3/19/2016 11:00	2016	3	19	11	2,299
3/19/2016 12:00	2016	3	19	12	2,237
3/19/2016 13:00	2016	3	19	13	2,213
3/19/2016 14:00	2016	3	19	14	2,173
3/19/2016 15:00	2016	3	19	15	2,202
3/19/2016 16:00	2016	3	19	16	2,236
3/19/2016 17:00	2016	3	19	17	2,160
3/19/2016 18:00	2016	3	19	18	2,190
3/19/2016 19:00	2016	3	19	19	2,321
3/19/2016 20:00	2016	3	19	20	2,268
3/19/2016 21:00	2016	3	19	21	2,261
3/19/2016 22:00	2016	3	19	22	2,146
3/19/2016 23:00	2016	3	19	23	2,089
3/20/2016 0:00	2016	3	20	0	2,020
3/20/2016 1:00	2016	3	20	1	1,936
3/20/2016 2:00	2016	3	20	2	2,000
3/20/2016 3:00	2016	3	20	3	1,964
3/20/2016 4:00	2016	3	20	4	2,047
3/20/2016 5:00	2016	3	20	5	2,194
3/20/2016 6:00	2016	3	20	6	2,252
3/20/2016 7:00	2016	3	20	7	2,305
3/20/2016 8:00	2016	3	20	8	2,295
3/20/2016 9:00	2016	3	20	9	2,227
3/20/2016 10:00	2016	3	20	10	2,139



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3/20/2016 11:00	2016	3	20	11	2,130
3/20/2016 12:00	2016	3	20	12	2,144
3/20/2016 13:00	2016	3	20	13	2,054
3/20/2016 14:00	2016	3	20	14	2,078
3/20/2016 15:00	2016	3	20	15	2,020
3/20/2016 16:00	2016	3	20	16	2,061
3/20/2016 17:00	2016	3	20	17	2,139
3/20/2016 18:00	2016	3	20	18	2,238
3/20/2016 19:00	2016	3	20	19	2,417
3/20/2016 20:00	2016	3	20	20	2,391
3/20/2016 21:00	2016	3	20	21	2,325
3/20/2016 22:00	2016	3	20	22	2,300
3/20/2016 23:00	2016	3	20	23	2,192
3/21/2016 0:00	2016	3	21	0	2,144
3/21/2016 1:00	2016	3	21	1	2,133
3/21/2016 2:00	2016	3	21	2	2,273
3/21/2016 3:00	2016	3	21	3	2,288
3/21/2016 4:00	2016	3	21	4	2,467
3/21/2016 5:00	2016	3	21	5	2,914
3/21/2016 6:00	2016	3	21	6	3,057
3/21/2016 7:00	2016	3	21	7	3,060
3/21/2016 8:00	2016	3	21	8	2,963
3/21/2016 9:00	2016	3	21	9	2,802
3/21/2016 10:00	2016	3	21	10	2,740
3/21/2016 11:00	2016	3	21	11	2,662
3/21/2016 12:00	2016	3	21	12	2,583
3/21/2016 13:00	2016	3	21	13	2,470
3/21/2016 14:00	2016	3	21	14	2,402
3/21/2016 15:00	2016	3	21	15	2,340
3/21/2016 16:00	2016	3	21	16	2,289
3/21/2016 17:00	2016	3	21	17	2,330
3/21/2016 18:00	2016	3	21	18	2,403
3/21/2016 19:00	2016	3	21	19	2,534
3/21/2016 20:00	2016	3	21	20	2,533
3/21/2016 21:00	2016	3	21	21	2,451
3/21/2016 22:00	2016	3	21	22	2,356
3/21/2016 23:00	2016	3	21	23	2,244
3/22/2016 0:00	2016	3	22	0	2,182
3/22/2016 1:00	2016	3	22	1	2,241
3/22/2016 2:00	2016	3	22	2	2,269
3/22/2016 3:00	2016	3	22	3	2,273
3/22/2016 4:00	2016	3	22	4	2,441

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3/22/2016 5:00	2016	3	22	5	2,809
3/22/2016 6:00	2016	3	22	6	2,933
3/22/2016 7:00	2016	3	22	7	2,888
3/22/2016 8:00	2016	3	22	8	2,841
3/22/2016 9:00	2016	3	22	9	2,688
3/22/2016 10:00	2016	3	22	10	2,602
3/22/2016 11:00	2016	3	22	11	2,553
3/22/2016 12:00	2016	3	22	12	2,398
3/22/2016 13:00	2016	3	22	13	2,374
3/22/2016 14:00	2016	3	22	14	2,292
3/22/2016 15:00	2016	3	22	15	2,265
3/22/2016 16:00	2016	3	22	16	2,206
3/22/2016 17:00	2016	3	22	17	2,255
3/22/2016 18:00	2016	3	22	18	2,271
3/22/2016 19:00	2016	3	22	19	2,422
3/22/2016 20:00	2016	3	22	20	2,372
3/22/2016 21:00	2016	3	22	21	2,236
3/22/2016 22:00	2016	3	22	22	2,124
3/22/2016 23:00	2016	3	22	23	1,961
3/23/2016 0:00	2016	3	23	0	1,951
3/23/2016 1:00	2016	3	23	1	1,905
3/23/2016 2:00	2016	3	23	2	1,857
3/23/2016 3:00	2016	3	23	3	1,903
3/23/2016 4:00	2016	3	23	4	2,006
3/23/2016 5:00	2016	3	23	5	2,346
3/23/2016 6:00	2016	3	23	6	2,508
3/23/2016 7:00	2016	3	23	7	2,480
3/23/2016 8:00	2016	3	23	8	2,477
3/23/2016 9:00	2016	3	23	9	2,464
3/23/2016 10:00	2016	3	23	10	2,424
3/23/2016 11:00	2016	3	23	11	2,368
3/23/2016 12:00	2016	3	23	12	2,373
3/23/2016 13:00	2016	3	23	13	2,311
3/23/2016 14:00	2016	3	23	14	2,259
3/23/2016 15:00	2016	3	23	15	2,213
3/23/2016 16:00	2016	3	23	16	2,191
3/23/2016 17:00	2016	3	23	17	2,200
3/23/2016 18:00	2016	3	23	18	2,256
3/23/2016 19:00	2016	3	23	19	2,318
3/23/2016 20:00	2016	3	23	20	2,322
3/23/2016 21:00	2016	3	23	21	2,164
3/23/2016 22:00	2016	3	23	22	2,024

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3/23/2016 23:00	2016	3	23	23	1,882
3/24/2016 0:00	2016	3	24	0	1,812
3/24/2016 1:00	2016	3	24	1	1,764
3/24/2016 2:00	2016	3	24	2	1,727
3/24/2016 3:00	2016	3	24	3	1,775
3/24/2016 4:00	2016	3	24	4	1,871
3/24/2016 5:00	2016	3	24	5	2,165
3/24/2016 6:00	2016	3	24	6	2,332
3/24/2016 7:00	2016	3	24	7	2,301
3/24/2016 8:00	2016	3	24	8	2,305
3/24/2016 9:00	2016	3	24	9	2,333
3/24/2016 10:00	2016	3	24	10	2,336
3/24/2016 11:00	2016	3	24	11	2,308
3/24/2016 12:00	2016	3	24	12	2,297
3/24/2016 13:00	2016	3	24	13	2,283
3/24/2016 14:00	2016	3	24	14	2,263
3/24/2016 15:00	2016	3	24	15	2,231
3/24/2016 16:00	2016	3	24	16	2,231
3/24/2016 17:00	2016	3	24	17	2,222
3/24/2016 18:00	2016	3	24	18	2,263
3/24/2016 19:00	2016	3	24	19	2,293
3/24/2016 20:00	2016	3	24	20	2,248
3/24/2016 21:00	2016	3	24	21	2,100
3/24/2016 22:00	2016	3	24	22	1,952
3/24/2016 23:00	2016	3	24	23	1,808
3/25/2016 0:00	2016	3	25	0	1,765
3/25/2016 1:00	2016	3	25	1	1,730
3/25/2016 2:00	2016	3	25	2	1,701
3/25/2016 3:00	2016	3	25	3	1,754
3/25/2016 4:00	2016	3	25	4	1,870
3/25/2016 5:00	2016	3	25	5	2,071
3/25/2016 6:00	2016	3	25	6	2,279
3/25/2016 7:00	2016	3	25	7	2,340
3/25/2016 8:00	2016	3	25	8	2,381
3/25/2016 9:00	2016	3	25	9	2,405
3/25/2016 10:00	2016	3	25	10	2,400
3/25/2016 11:00	2016	3	25	11	2,401
3/25/2016 12:00	2016	3	25	12	2,340
3/25/2016 13:00	2016	3	25	13	2,310
3/25/2016 14:00	2016	3	25	14	2,243
3/25/2016 15:00	2016	3	25	15	2,205
3/25/2016 16:00	2016	3	25	16	2,204

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3/25/2016 17:00	2016	3	25	17	2,176
3/25/2016 18:00	2016	3	25	18	2,202
3/25/2016 19:00	2016	3	25	19	2,292
3/25/2016 20:00	2016	3	25	20	2,308
3/25/2016 21:00	2016	3	25	21	2,234
3/25/2016 22:00	2016	3	25	22	2,163
3/25/2016 23:00	2016	3	25	23	2,118
3/26/2016 0:00	2016	3	26	0	2,083
3/26/2016 1:00	2016	3	26	1	2,078
3/26/2016 2:00	2016	3	26	2	2,089
3/26/2016 3:00	2016	3	26	3	2,104
3/26/2016 4:00	2016	3	26	4	2,170
3/26/2016 5:00	2016	3	26	5	2,282
3/26/2016 6:00	2016	3	26	6	2,370
3/26/2016 7:00	2016	3	26	7	2,415
3/26/2016 8:00	2016	3	26	8	2,305
3/26/2016 9:00	2016	3	26	9	2,179
3/26/2016 10:00	2016	3	26	10	2,086
3/26/2016 11:00	2016	3	26	11	2,002
3/26/2016 12:00	2016	3	26	12	1,946
3/26/2016 13:00	2016	3	26	13	1,868
3/26/2016 14:00	2016	3	26	14	1,814
3/26/2016 15:00	2016	3	26	15	1,828
3/26/2016 16:00	2016	3	26	16	1,820
3/26/2016 17:00	2016	3	26	17	1,828
3/26/2016 18:00	2016	3	26	18	1,847
3/26/2016 19:00	2016	3	26	19	1,961
3/26/2016 20:00	2016	3	26	20	1,905
3/26/2016 21:00	2016	3	26	21	1,856
3/26/2016 22:00	2016	3	26	22	1,757
3/26/2016 23:00	2016	3	26	23	1,659
3/27/2016 0:00	2016	3	27	0	1,617
3/27/2016 1:00	2016	3	27	1	1,554
3/27/2016 2:00	2016	3	27	2	1,594
3/27/2016 3:00	2016	3	27	3	1,580
3/27/2016 4:00	2016	3	27	4	1,625
3/27/2016 5:00	2016	3	27	5	1,706
3/27/2016 6:00	2016	3	27	6	1,773
3/27/2016 7:00	2016	3	27	7	1,888
3/27/2016 8:00	2016	3	27	8	1,930
3/27/2016 9:00	2016	3	27	9	1,892
3/27/2016 10:00	2016	3	27	10	1,844