

Economic Summary Tables
Comparison of Plan 14 (with LCA Load Reduction)
and Plan17 (Hypothetical LCA No New Generation Case)

Note:

The Economic Summary Tables to accompany the Incremental NPV relative to All Gas as shown in Exhibit 104-14.

TABLE 445
 ECONOMIC SUMMARY - TOTAL RESOURCE COST
 COMPARISON OF PLAN 14
 AND PLAN 17 (HYPOTHETICAL LCA NO NEW GENERATION CASE)

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	62.96	0.00	0.00	9.87	0.00	104.72	177.54	0.89	0.00	327.22	102.69	21.65	98.19	104.69
2015	0.00	0.00	0.00	0.00	9.87	0.00	124.63	134.50	1.56	0.00	364.91	100.80	25.84	102.57	135.70
2016	0.00	0.00	0.00	0.00	9.87	0.00	102.91	112.78	2.12	0.00	378.42	98.94	26.92	104.56	148.00
2017	0.00	0.00	0.00	0.00	9.87	0.00	91.89	101.75	2.63	0.00	409.27	97.29	28.00	106.95	177.03
2018	0.00	0.00	0.00	0.00	0.00	0.00	87.45	87.45	3.07	0.00	398.56	94.56	30.61	109.08	164.31
2019	0.00	0.00	0.00	0.00	0.00	0.00	65.70	65.70	3.40	0.00	390.29	92.64	27.84	110.60	159.20
2020	0.00	0.00	0.00	0.00	0.00	0.00	54.88	54.88	3.67	0.00	437.09	92.12	24.07	120.05	200.84
2021	0.00	0.00	0.00	0.00	0.00	0.00	47.20	47.20	3.91	0.00	428.65	90.34	23.06	121.64	193.60
2022	0.00	0.00	0.00	0.00	0.00	0.00	74.51	74.51	4.28	0.00	420.25	88.80	23.94	123.84	183.67
2023	0.00	0.00	0.00	0.00	0.00	2.77	82.49	85.26	4.71	0.00	407.34	87.23	24.44	125.84	169.83
2024	0.00	0.00	0.00	0.00	0.00	5.55	84.95	90.50	5.16	0.00	391.76	85.67	24.38	127.02	154.69
2025	0.00	0.00	0.00	0.00	0.00	16.64	78.37	95.01	5.64	0.00	340.13	84.14	24.84	129.31	101.84
2026	0.00	0.00	0.00	0.00	0.00	24.95	216.36	241.32	6.84	0.00	323.86	82.60	25.40	130.31	85.55
2027	0.00	0.00	0.00	0.00	0.00	74.86	123.88	198.74	7.84	0.00	302.96	81.07	25.69	130.94	65.27
2028	0.00	0.00	0.00	0.00	0.00	74.86	119.09	193.95	8.81	0.00	278.97	79.61	26.11	131.29	41.96
2029	0.00	0.00	0.00	0.00	0.00	77.63	120.98	198.62	9.80	115.54	320.21	78.02	6.10	168.13	67.97
2030	0.00	0.00	0.00	0.00	0.00	0.00	102.75	102.75	10.31	113.67	331.44	77.45	5.04	170.68	78.28
2031	0.00	0.00	0.00	0.00	0.00	0.00	87.53	87.53	10.75	110.41	324.88	76.33	5.29	180.54	62.72
2032	0.00	0.00	0.00	0.00	0.00	0.00	85.99	85.99	11.18	103.75	312.84	74.89	5.66	194.98	37.31
2033	0.00	0.00	0.36	0.00	0.00	0.00	92.30	92.65	11.64	97.63	299.27	73.44	5.97	210.63	9.23
2034	0.00	0.00	0.00	0.00	0.00	0.00	97.53	97.53	12.13	91.97	286.10	72.08	6.27	225.94	-18.19
2035	0.00	0.00	98.56	0.00	0.00	0.00	100.84	199.41	13.02	86.62	273.48	70.79	6.69	241.26	-45.26
2036	0.00	0.00	126.64	0.00	9.28	0.00	105.21	241.13	14.11	81.46	262.28	69.75	7.06	255.07	-69.61
2037	0.00	0.00	15.90	0.00	0.00	0.00	115.72	131.62	14.77	80.42	252.63	68.46	17.23	224.80	-57.86
2038	0.00	0.00	0.00	0.00	0.00	0.00	131.44	131.44	15.43	75.55	239.67	67.24	18.38	243.01	-88.95
2039	0.00	0.00	78.30	0.00	0.00	0.00	151.39	229.69	16.58	70.84	227.35	66.06	19.62	267.65	-125.97
2040	0.00	0.00	106.99	0.00	9.28	0.00	147.57	263.84	17.90	66.29	217.81	64.93	20.96	286.51	-154.58
2041	0.00	0.00	16.22	0.00	0.00	0.00	150.39	166.61	18.73	65.86	211.58	63.76	32.15	263.17	-147.50
2042	0.00	0.00	79.48	0.00	0.00	0.00	153.22	232.71	19.89	61.59	203.61	62.64	33.99	280.22	-173.24
2043	0.00	0.00	110.63	0.00	73.08	0.00	117.11	300.82	21.39	57.47	201.31	62.01	34.92	298.80	-194.42
2044	0.00	0.00	16.47	0.00	0.00	0.00	103.54	120.01	21.99	58.30	189.71	60.35	49.17	304.94	-224.75
2045	0.00	0.00	35.49	0.00	0.00	0.00	97.54	133.03	22.65	56.09	183.88	59.27	53.33	321.67	-250.40
2046	0.00	0.00	48.47	0.00	0.00	0.00	138.73	187.20	23.59	54.03	180.74	58.45	56.48	336.08	-270.27
2047	0.00	0.00	7.35	0.00	0.00	0.00	96.74	104.09	24.11	53.51	174.64	57.36	57.96	353.66	-294.34
2048	0.00	0.00	0.00	0.00	0.00	0.00	93.77	93.77	24.11	51.62	179.75	58.36	55.92	337.14	-271.67
2049	0.00	0.00	0.00	0.00	9.87	0.00	88.82	98.69	24.11	49.78	179.75	58.36	55.92	337.14	-271.67
2050	0.00	0.00	0.00	0.00	9.87	0.00	87.76	97.63	24.11	48.00	179.75	58.36	55.92	337.14	-271.67
2051	0.00	0.00	0.00	0.00	9.87	0.00	86.49	96.36	24.11	46.27	179.75	58.36	55.92	337.14	-271.67
2052	0.00	0.00	0.00	0.00	9.87	0.00	67.25	77.12	24.11	44.60	179.75	58.36	55.92	337.14	-271.67
2053	0.00	0.00	0.00	0.00	0.00	0.00	73.96	73.96	24.11	42.97	179.75	58.36	55.92	337.14	-271.67
2054	0.00	0.00	0.00	0.00	0.00	0.00	83.24	83.24	24.11	41.39	179.75	58.36	55.92	337.14	-271.67
2055	0.00	0.00	0.00	0.00	0.00	0.00	90.97	90.97	24.11	39.86	179.75	58.36	55.92	337.14	-271.67
2056	0.00	0.00	0.00	0.00	0.00	0.00	97.53	97.53	24.11	38.39	179.75	58.36	55.92	337.14	-271.67
2057	0.00	0.00	0.00	0.00	0.00	0.00	103.11	103.11	24.11	36.95	179.75	58.36	55.92	337.14	-271.67
2058	0.00	0.00	0.00	0.00	0.00	0.68	110.36	111.05	24.11	35.57	179.75	58.36	55.92	337.14	-271.67
2059	0.00	0.00	0.00	0.00	0.00	1.37	110.06	111.43	24.11	34.22	179.75	58.36	55.92	337.14	-271.67
2060	0.00	0.00	0.00	0.00	0.00	4.11	102.09	106.20	24.11	32.92	179.75	58.36	55.92	337.14	-271.67
2061	0.00	0.00	0.00	0.00	0.00	6.16	93.38	99.54	24.11	31.67	179.75	58.36	55.92	337.14	-271.67
2062	0.00	0.00	0.00	0.00	0.00	18.49	83.89	102.39	24.11	30.45	179.75	58.36	55.92	337.14	-271.67
2063	0.00	0.00	0.00	0.00	0.00	18.49	84.72	103.21	24.11	29.27	179.75	58.36	55.92	337.14	-271.67
2064	0.00	0.00	0.00	0.00	0.00	19.18	86.29	105.46	24.11	28.13	179.75	58.36	55.92	337.14	-271.67
2065	0.00	0.00	76.76	0.00	0.00	0.00	96.12	172.88	24.11	27.03	179.75	58.36	55.92	337.14	-271.67
2066	0.00	0.00	104.83	0.00	0.00	0.00	138.43	243.26	24.11	25.97	179.75	58.36	55.92	337.14	-271.67
2067	0.00	0.00	15.90	0.00	0.00	0.00	88.82	104.72	24.11	24.94	179.75	58.36	55.92	337.14	-271.67
2068	0.00	0.00	0.00	0.00	0.00	0.00	93.79	93.79	24.11	23.95	179.75	58.36	55.92	337.14	-271.67
2069	0.00	0.00	78.30	0.00	0.00	0.00	95.22	173.53	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2070	0.00	0.00	106.94	0.00	0.00	0.00	80.83	187.78	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2071	0.00	0.00	16.22	0.00	9.28	0.00	83.01	108.52	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2072	0.00	0.00	79.48	0.00	0.00	0.00	90.15	169.63	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2073	0.00	0.00	108.56	0.00	0.00	2.09	107.93	218.57	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2074	0.00	0.00	16.47	0.00	0.00	4.18	120.97	141.61	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2075	0.00	0.00	35.49	0.00	9.28	12.53	128.09	185.39	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2076	0.00	0.00	48.47	0.00	0.00	18.79	128.94	196.20	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2077	0.00	0.00	7.35	0.00	0.00	56.37	131.06	194.79	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2078	0.00	0.00	0.00	0.00	54.81	56.37	122.55	233.72	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2079	0.00	0.00	0.00	0.00	0.00	58.46	113.01	171.47	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2080	0.00	0.00	0.00	0.00	0.00	0.00	102.65	102.65	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2081	0.00	0.00	0.00	0.00	0.00	0.00	94.22	94.22	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2082	0.00	0.00	0.00	0.00	0.00	0.00	81.28	81.28	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2083	0.00	0.00	0.00	0.00	0.00	0.00	85.37	85.37	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2084	0.00	0.00	0.00	0.00	9.87	0.00	87.09	96.95	24.11	13.61	179.75	58.36	55.92	337.14	-271.67
2085	0.00	0.00	0.00												

TABLE 446
ECONOMIC SUMMARY - TOTAL RESOURCE COST
COMPARISON OF PLAN 14
AND PLAN 17 (HYPOTHETICAL LCA NO NEW GENERATION CASE)
(PLAN 14 WITH DIVERSITY AGREEMENT EXTENDED TO 2030)

Energy Price
Discount Rate
Capital Cost
Reference
Reference
Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	31.07	221.41	0.00	0.00	21.01	3.78	104.72	381.98	1.91	0.00	321.65	102.73	20.19	97.51	101.22
2015	39.75	485.83	0.00	0.00	18.92	6.75	124.63	675.88	5.29	0.00	357.57	100.97	23.88	101.03	131.68
2016	11.18	643.32	0.00	0.00	25.89	17.15	102.91	800.46	9.29	0.00	371.92	99.14	24.96	102.96	144.85
2017	11.92	779.65	0.00	0.00	37.88	24.95	91.89	946.29	14.02	0.00	400.12	97.22	26.49	105.53	170.89
2018	11.99	549.74	0.00	0.00	39.82	103.34	87.45	792.34	17.98	0.00	391.75	94.78	27.80	107.30	161.87
2019	12.06	393.19	0.00	0.00	47.18	85.16	65.70	603.29	21.00	13.01	414.36	94.66	25.65	105.63	188.41
2020	12.13	160.55	0.00	0.00	0.01	157.85	54.88	385.42	22.93	44.86	675.55	102.41	20.36	118.49	434.29
2021	167.14	55.71	0.00	0.00	0.00	0.00	47.20	270.05	24.28	42.99	760.59	103.01	21.17	125.88	510.53
2022	253.28	0.00	0.00	0.00	0.00	0.00	74.51	327.80	25.92	41.65	762.66	101.48	21.85	128.75	510.59
2023	271.67	0.00	0.00	0.00	0.00	0.00	82.49	354.15	27.69	39.80	746.19	99.65	21.04	129.85	495.66
2024	276.87	0.00	0.00	0.00	3.53	0.00	84.95	365.35	29.52	38.24	732.67	97.36	23.23	134.48	477.60
2025	748.97	0.00	0.00	0.00	3.53	0.00	78.37	830.87	33.67	36.59	651.37	95.42	20.83	129.11	406.01
2026	1189.26	0.00	0.00	0.00	42.90	0.00	216.36	1448.52	40.91	34.83	673.23	94.50	21.44	134.48	422.81
2027	1067.77	0.00	0.00	0.00	22.26	0.00	123.88	1213.90	46.98	33.54	654.89	92.52	20.45	137.36	404.56
2028	762.50	0.00	0.00	0.00	37.45	0.00	119.09	919.04	51.58	32.31	633.01	90.12	23.72	144.94	374.24
2029	528.08	0.00	0.00	0.00	64.84	0.00	120.98	713.90	55.15	33.78	615.41	88.44	25.16	150.26	351.54
2030	346.85	0.00	0.00	0.00	86.88	0.00	102.75	536.48	57.83	42.95	731.80	93.99	22.70	118.80	496.31
2031	127.75	0.00	0.00	0.00	102.39	0.00	87.53	317.67	59.42	42.01	927.06	101.09	22.99	114.12	688.85
2032	40.31	0.00	0.00	0.00	0.00	0.00	85.99	126.30	60.05	40.76	983.32	101.43	23.03	124.70	734.16
2033	0.00	0.00	0.00	0.00	0.00	0.00	92.30	92.30	60.51	39.89	969.09	99.57	23.29	127.05	719.18
2034	0.00	0.00	0.00	0.00	0.00	0.00	97.53	97.53	61.00	38.67	954.71	97.81	23.46	129.55	703.90
2035	0.00	0.00	0.00	0.00	0.00	0.00	100.84	100.84	61.50	37.17	926.36	96.13	23.52	125.47	681.24
2036	0.00	0.00	0.00	0.00	0.00	0.00	105.21	105.21	62.03	36.46	864.11	94.50	24.91	109.40	635.30
2037	0.00	0.00	0.00	0.00	0.00	0.00	115.72	115.72	62.61	35.56	840.91	92.88	25.11	109.43	613.49
2038	0.00	0.00	0.00	0.00	0.00	0.00	131.44	131.44	63.26	35.12	826.46	91.28	25.19	112.59	597.40
2039	0.00	0.00	0.00	0.00	0.00	0.00	151.39	151.39	64.02	37.64	811.78	89.69	25.37	122.09	574.63
2040	0.00	0.00	0.00	0.00	0.00	0.00	147.57	147.57	64.76	36.99	791.09	88.12	25.64	122.74	554.59
2041	0.00	0.00	0.00	0.00	0.00	0.00	150.39	150.39	65.51	33.63	781.19	86.55	25.56	128.06	541.02
2043	0.00	0.00	0.00	0.00	0.00	0.00	153.22	153.22	66.28	33.18	765.85	85.04	25.98	131.19	523.64
2043	0.00	0.00	0.00	0.00	0.00	0.00	117.11	117.11	66.86	32.74	747.82	83.54	26.17	134.69	503.43
2044	0.00	0.00	0.00	0.00	0.00	0.00	103.54	103.54	67.38	34.06	728.32	82.07	26.29	138.31	481.65
2045	0.00	0.00	0.00	0.00	0.00	0.00	97.54	97.54	67.87	33.65	709.52	80.63	26.38	142.12	460.39
2046	0.00	0.00	0.00	0.00	0.00	0.00	138.73	138.73	68.56	32.60	690.11	79.23	26.41	146.01	438.45
2047	0.00	0.00	0.00	0.00	0.00	0.00	96.74	96.74	69.04	31.34	668.58	77.83	26.54	150.11	414.10
2048	0.00	0.00	0.00	0.00	0.00	0.00	93.77	93.77	69.04	30.10	689.40	79.23	26.44	146.08	437.65
2049	0.00	0.00	0.00	0.00	10.59	0.68	88.82	100.10	69.04	32.64	689.40	79.23	26.44	146.08	437.65
2050	0.00	0.00	0.00	0.00	10.27	1.37	87.76	99.40	69.04	32.29	689.40	79.23	26.44	146.08	437.65
2051	0.00	0.00	0.00	0.00	24.85	4.11	86.49	115.45	69.04	29.06	689.40	79.23	26.44	146.08	437.65
2052	0.00	0.00	0.00	0.00	28.87	6.16	67.25	102.28	69.04	28.73	689.40	79.23	26.44	146.08	437.65
2053	0.00	0.00	0.00	0.00	20.54	18.49	73.96	112.99	69.04	28.42	689.40	79.23	26.44	146.08	437.65
2054	0.00	0.00	0.00	0.00	16.76	18.49	83.24	118.49	69.04	28.11	689.40	79.23	26.44	146.08	437.65
2055	0.00	0.00	0.00	0.00	0.00	19.18	90.97	110.14	69.04	29.56	689.40	79.23	26.44	146.08	437.65
2056	0.00	0.00	0.00	0.00	0.00	0.00	97.53	97.53	69.04	44.77	689.40	79.23	26.44	146.08	437.65
2057	0.00	0.00	0.00	0.00	0.00	0.00	103.11	103.11	69.04	29.00	689.40	79.23	26.44	146.08	437.65
2058	0.00	0.00	0.00	0.00	0.00	0.00	110.36	110.36	69.04	44.22	689.40	79.23	26.44	146.08	437.65
2059	0.00	0.00	0.00	0.00	0.87	0.00	110.06	110.93	69.04	31.37	689.40	79.23	26.44	146.08	437.65
2060	0.00	0.00	0.00	0.00	0.87	0.00	102.09	102.96	69.04	42.16	689.40	79.23	26.44	146.08	437.65
2061	0.00	0.00	0.00	0.00	10.47	0.00	93.38	103.84	69.04	23.77	689.40	79.23	26.44	146.08	437.65
2062	0.00	0.00	0.00	0.00	5.23	0.00	83.89	89.13	69.04	39.27	689.40	79.23	26.44	146.08	437.65
2063	0.00	0.00	0.00	0.00	8.72	0.00	84.72	93.44	69.04	23.77	689.40	79.23	26.44	146.08	437.65
2064	0.00	0.00	0.00	0.00	25.24	2.09	86.29	113.62	69.04	39.27	689.40	79.23	26.44	146.08	437.65
2065	0.00	0.00	0.00	0.00	29.58	4.18	96.12	129.87	69.04	23.77	689.40	79.23	26.44	146.08	437.65
2066	0.00	0.00	0.00	0.00	26.33	12.53	138.43	177.29	69.04	39.27	689.40	79.23	26.44	146.08	437.65
2067	0.00	0.00	0.00	0.00	9.01	18.79	88.82	116.62	69.04	39.27	689.40	79.23	26.44	146.08	437.65
2068	0.00	0.00	0.00	0.00	19.28	56.37	93.79	169.44	69.04	39.27	689.40	79.23	26.44	146.08	437.65
2069	0.00	0.00	0.00	0.00	30.42	56.37	95.22	182.01	69.04	42.16	689.40	79.23	26.44	146.08	437.65
2070	0.00	0.00	0.00	0.00	0.01	58.46	80.83	139.30	69.04	28.41	689.40	79.23	26.44	146.08	437.65
2071	0.00	0.00	0.00	0.00	0.00	0.00	83.01	83.01	69.04	41.01	689.40	79.23	26.44	146.08	437.65
2072	0.00	0.00	0.00	0.00	0.00	0.00	90.15	90.15	69.04	25.51	689.40	79.23	26.44	146.08	437.65
2073	0.00	0.00	0.00	0.00	0.00	0.00	107.93	107.93	69.04	40.14	689.40	79.23	26.44	146.08	437.65
2074	0.00	0.00	0.00	0.00	2.66	0.00	120.97	123.63	69.04	23.77	689.40	79.23	26.44	146.08	437.65
2075	0.00	0.00	0.00	0.00	2.66	0.00	128.09	130.75	69.04	39.27	689.40	79.23	26.44	146.08	437.65
2076	0.00	0.00	0.00	0.00	32.44	0.00	128.94	161.38	69.04	23.77	689.40	79.23	26.44	146.08	437.65
2077	0.00	0.00	0.00	0.00	17.02	0.00	131.06	148.09	69.04	39.27	689.40	79.23	26.44	146.08	437.65
2078	0.00	0.00	0.00	0.00	28.73	0.00	122.55	151.28	69.04	23.77	689.40	79.23	26.44	146.08	437.65
2079	0.00	0.00	0.00	0.00	50.02	0.00	113.01	163.03	69.04	42.16	689.40	79.23	26.44	146.08	437.65
2080	0.00	0.00	0.00	0.00	65.95	0.00	102.65	168.60	69.04	26.67	689.40	79.23	26.44	146.08	437.65
2081	0.00	0.00	0.00	0.00	77.10	0.00	94.22	171.32	69.04	41.01	689.40	79.23	26.44	146.08	437.65
2082	0.00	0.00	0.00	0.00	0.00	0.00	81.28	81.28	69.04	25.51	689.40	79.23	26.44	146.08	437.65
2083	0.00	0.00	0.00	0.00	0.00	0.00	85.37	85.37	69.04	41.01	689.40	79.23	26.44	146.08	437.65
2084	0.00	0.00	0.00	0.00	10.59	0.68	87.09								

TABLE 447
ECONOMIC SUMMARY - TOTAL RESOURCE COST
COMPARISON OF PLAN 14
AND PLAN 17 (HYPOTHETICAL LCA NO NEW GENERATION CASE)
(PLAN 14 WITH 2012 DIVERSITY AGREEMENT ASSUMPTIONS)

Energy Price Reference
Discount Rate Reference
Capital Cost Reference

FYB	Capital and Related Costs (Millions of 2014\$)										Net Average Flow Related Revenue (Millions of 2014\$)				
	Conawapa GS	Keeyask GS	Thermal GS	Wind GS	Transmission		DSM Capital	Total Capital	Capital Taxes	Fixed O&M	Gross Revenue	Water Rental	Thermal Burn	Power Purchases	Net Revenue
					GOT	US T/L									
2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	31.07	221.41	0.00	0.00	21.01	3.78	104.72	381.98	1.91	0.00	321.65	102.73	20.19	97.51	101.22
2015	39.75	485.83	0.00	0.00	18.92	6.75	124.63	675.88	5.29	0.00	357.57	100.97	23.88	101.03	131.68
2016	20.67	643.32	0.00	0.00	25.89	17.15	102.91	809.94	9.34	0.00	371.92	99.14	24.96	102.96	144.85
2017	23.71	779.65	0.00	0.00	37.88	24.95	91.89	958.08	14.13	0.00	400.12	97.22	26.49	105.53	170.89
2018	159.30	549.74	0.00	0.00	39.82	103.34	87.45	939.65	18.83	0.00	391.33	94.67	28.32	107.07	161.26
2019	248.86	393.19	0.00	0.00	47.18	85.16	65.70	840.10	23.03	13.01	412.01	94.37	26.89	105.59	185.16
2020	272.66	160.55	0.00	0.00	0.01	157.85	54.88	645.95	26.26	44.86	675.58	102.53	20.22	117.69	435.15
2021	273.96	55.71	0.00	0.00	3.53	0.00	47.20	380.40	28.16	42.99	760.49	103.19	20.80	125.04	511.46
2022	737.83	0.00	0.00	0.00	3.53	0.00	74.51	815.87	32.24	41.65	762.08	101.52	21.87	128.69	510.00
2023	1168.49	0.00	0.00	0.00	42.90	0.00	82.49	1293.89	38.71	39.80	739.45	99.03	22.74	131.85	485.83
2024	1049.12	0.00	0.00	0.00	22.26	0.00	84.95	1156.33	44.49	38.24	727.83	97.03	24.42	135.28	471.10
2025	749.19	0.00	0.00	0.00	37.45	0.00	78.37	865.01	48.82	36.59	644.38	95.86	20.16	124.44	403.93
2026	518.86	0.00	0.00	0.00	64.84	0.00	216.36	800.06	52.82	34.83	656.95	94.00	21.76	134.14	407.06
2027	340.80	0.00	0.00	0.00	86.88	0.00	123.88	551.55	55.57	47.84	751.53	98.21	20.77	113.59	518.96
2028	125.52	0.00	0.00	0.00	102.39	0.00	119.09	347.00	57.31	46.83	942.87	105.62	22.05	111.88	704.12
2029	39.61	0.00	0.00	0.00	0.00	0.00	120.98	160.59	58.11	48.16	997.92	106.23	22.22	118.01	750.66
2030	0.00	0.00	0.00	0.00	0.00	0.00	102.75	102.75	58.63	43.25	994.17	104.65	22.11	120.46	746.95
2031	0.00	0.00	0.00	0.00	0.00	0.00	87.53	87.53	59.06	41.92	987.23	102.99	22.15	122.10	739.99
2032	0.00	0.00	0.00	0.00	0.00	0.00	85.99	85.99	59.49	40.75	980.57	101.28	22.78	124.85	731.65
2033	0.00	0.00	0.00	0.00	0.00	0.00	92.30	92.30	59.95	39.50	967.52	99.49	23.17	127.03	717.83
2034	0.00	0.00	0.00	0.00	0.00	0.00	97.53	97.53	60.44	38.09	954.73	97.77	23.51	129.73	703.72
2035	0.00	0.00	0.00	0.00	0.00	0.00	100.84	100.84	60.95	36.71	926.06	96.12	23.50	125.53	680.92
2036	0.00	0.00	0.00	0.00	0.00	0.00	105.21	105.21	61.47	36.27	863.85	94.49	24.90	109.42	635.04
2037	0.00	0.00	0.00	0.00	0.00	0.00	115.72	115.72	62.05	38.47	840.91	92.88	25.13	109.46	613.44
2038	0.00	0.00	0.00	0.00	0.00	0.00	131.44	131.44	62.71	35.06	826.42	91.28	25.19	112.59	597.36
2039	0.00	0.00	0.00	0.00	0.00	0.00	151.39	151.39	63.46	37.47	811.75	89.69	25.38	122.09	574.59
2040	0.00	0.00	0.00	0.00	0.00	0.00	147.57	147.57	64.20	34.09	791.08	88.12	25.64	122.74	554.58
2041	0.00	0.00	0.00	0.00	0.00	0.00	150.39	150.39	64.95	33.63	781.19	86.55	25.56	128.06	541.02
2042	0.00	0.00	0.00	0.00	0.00	0.00	153.22	153.22	65.72	33.18	765.85	85.04	25.98	131.19	523.64
2043	0.00	0.00	0.00	0.00	0.00	0.00	117.11	117.11	66.31	32.09	747.82	83.54	26.17	134.69	503.43
2044	0.00	0.00	0.00	0.00	0.00	0.00	103.54	103.54	66.82	33.40	728.32	82.07	26.29	138.31	481.65
2045	0.00	0.00	0.00	0.00	0.00	0.00	97.54	97.54	67.31	32.99	709.52	80.63	26.38	142.12	460.39
2046	0.00	0.00	0.00	0.00	0.00	0.00	138.73	138.73	68.01	32.60	690.11	79.23	26.41	146.01	438.45
2047	0.00	0.00	0.00	0.00	0.00	0.00	96.74	96.74	68.49	34.24	668.58	77.83	26.54	150.11	414.10
2048	0.00	0.00	0.00	0.00	0.00	0.00	93.77	93.77	68.49	30.10	689.40	79.23	26.44	146.08	437.65
2049	0.00	0.00	0.00	0.00	10.59	0.68	88.82	100.10	68.49	32.64	689.40	79.23	26.44	146.08	437.65
2050	0.00	0.00	0.00	0.00	10.27	1.37	87.76	99.40	68.49	29.40	689.40	79.23	26.44	146.08	437.65
2051	0.00	0.00	0.00	0.00	24.85	4.11	86.49	115.45	68.49	29.06	689.40	79.23	26.44	146.08	437.65
2052	0.00	0.00	0.00	0.00	28.87	6.16	67.25	102.28	68.49	30.47	689.40	79.23	26.44	146.08	437.65
2053	0.00	0.00	0.00	0.00	20.54	18.49	73.96	112.99	68.49	30.16	689.40	79.23	26.44	146.08	437.65
2054	0.00	0.00	0.00	0.00	16.76	18.49	83.24	118.49	68.49	29.85	689.40	79.23	26.44	146.08	437.65
2055	0.00	0.00	0.00	0.00	0.00	19.18	90.97	110.14	68.49	29.56	689.40	79.23	26.44	146.08	437.65
2056	0.00	0.00	0.00	0.00	0.87	0.00	97.53	98.40	68.49	44.77	689.40	79.23	26.44	146.08	437.65
2057	0.00	0.00	0.00	0.00	0.87	0.00	103.11	103.99	68.49	30.15	689.40	79.23	26.44	146.08	437.65
2058	0.00	0.00	0.00	0.00	10.47	0.00	110.36	120.83	68.49	42.49	689.40	79.23	26.44	146.08	437.65
2059	0.00	0.00	0.00	0.00	5.23	0.00	110.06	115.29	68.49	29.63	689.40	79.23	26.44	146.08	437.65
2060	0.00	0.00	0.00	0.00	8.72	0.00	102.09	110.81	68.49	39.27	689.40	79.23	26.44	146.08	437.65
2061	0.00	0.00	0.00	0.00	14.83	0.00	93.38	108.20	68.49	23.77	689.40	79.23	26.44	146.08	437.65
2062	0.00	0.00	0.00	0.00	20.93	0.00	83.89	104.83	68.49	39.27	689.40	79.23	26.44	146.08	437.65
2063	0.00	0.00	0.00	0.00	25.29	0.00	84.72	110.01	68.49	23.77	689.40	79.23	26.44	146.08	437.65
2064	0.00	0.00	0.00	0.00	10.42	2.09	86.29	98.79	68.49	54.76	689.40	79.23	26.44	146.08	437.65
2065	0.00	0.00	0.00	0.00	8.65	4.18	96.12	108.94	68.49	23.77	689.40	79.23	26.44	146.08	437.65
2066	0.00	0.00	0.00	0.00	1.04	12.53	138.43	151.99	68.49	54.76	689.40	79.23	26.44	146.08	437.65
2067	0.00	0.00	0.00	0.00	9.01	18.79	88.82	116.62	68.49	26.67	689.40	79.23	26.44	146.08	437.65
2068	0.00	0.00	0.00	0.00	19.28	56.37	93.79	169.44	68.49	54.76	689.40	79.23	26.44	146.08	437.65
2069	0.00	0.00	0.00	0.00	30.42	56.37	93.22	182.01	68.49	26.67	689.40	79.23	26.44	146.08	437.65
2070	0.00	0.00	0.00	0.00	0.01	58.46	80.83	139.30	68.49	41.01	689.40	79.23	26.44	146.08	437.65
2071	0.00	0.00	0.00	0.00	2.66	0.00	83.01	85.67	68.49	25.51	689.40	79.23	26.44	146.08	437.65
2072	0.00	0.00	0.00	0.00	2.66	0.00	90.15	92.81	68.49	41.01	689.40	79.23	26.44	146.08	437.65
2073	0.00	0.00	0.00	0.00	32.44	0.00	107.93	140.36	68.49	24.64	689.40	79.23	26.44	146.08	437.65
2074	0.00	0.00	0.00	0.00	17.02	0.00	120.97	137.99	68.49	39.27	689.40	79.23	26.44	146.08	437.65
2075	0.00	0.00	0.00	0.00	28.73	0.00	128.09	156.82	68.49	23.77	689.40	79.23	26.44	146.08	437.65
2076	0.00	0.00	0.00	0.00	50.02	0.00	128.94	178.96	68.49	39.27	689.40	79.23	26.44	146.08	437.65
2077	0.00	0.00	0.00	0.00	65.95	0.00	131.06	197.01	68.49	26.67	689.40	79.23	26.44	146.08	437.65
2078	0.00	0.00	0.00	0.00	77.10	0.00	122.55	199.65	68.49	41.01	689.40	79.23	26.44	146.08	437.65
2079	0.00	0.00	0.00	0.00	0.00	0.00	113.01	113.01	68.49	28.41	689.40	79.23	26.44	146.08	437.65
2080	0.00	0.00	0.00	0.00	0.00	0.00	102.65	102.65	68.49	41.01	689.40	79.23	26.44	146.08	437.65
2081	0.00	0.00	0.00	0.00	0.00	0.00	94.22	94.22	68.49	25.51	689.40	79.23	26.44	146.08	437.65
2082	0.00	0.00	0.00	0.00	0.00	0.00	81.28	81.28	68.49	41.01	689.40	79.23	26.44	146.08	437.65
2083	0.00	0.00	0.00	0.00	0.00	0.00	85.37	85.37	68.49	23.77	689.40	79.23	26.44	146.08	437.65
2084	0.00	0.00	0.00	0.00	10.59	0.68	87.09	98.36							