Ameren Missouri
Callaway Energy Center Tax-Qualified Nuclear Decommissioning Trust Fund Projection
Missouri Jurisdiction
Decommissioning Expense Calculation

Decommissioning Cost Estimate

	Plant Decommissioning	ISFSI Decommissioning	
License Termination Decommissioning Expenditures	$ 692,622,000	$ 7,377,000	
Spent Fuel Management Decommissioning Expenditures	57,716,000	-	
Site Restoration Decommissioning Expenditures	114,396,000	2,060,000	
Total Decommissioning Cost Estimate:	$ 864,734,000	$ 9,437,000	
Estimate in Terms of Year xxxx Dollars	2014	2015	
Estimate Based On:	March 2015 TLG Study	February 1, 2016 TLG Study	
Decommissioning Inflation:	3.5864%	3.5864%	3.5864%

	DECOMMISSIONING EXPENSE CALCULATION PLANT DECOMMISSIONING				DECOMMISSIONING EXPENSE CALCULATION ISFSI DECOMMISSIONING				DECOMMISSIONING EXPENSE CALCULATION COMBINED
Year	2014$ Decommissioning Expenses	# of Years of Inflation	Inflation Factor At 3.586% Decommissioning Inflation Rate	(Inflated $$) Decommissioning Expenses	2015$ Decommissioning Expenses	# of Years of Inflation	Inflation Factor At 3.586% Decommissioning Inflation Rate	(Inflated $$) Decommissioning Expenses	(Inflated $$) Decommissioning Expenses
TOTALS:	$ 864,734,000			$ 2,856,166,842	$ 9,437,000			$ 33,552,543	$ 2,889,719,386
2015	$ -	1	1.0359	$ -	$ -	0	1.0000	$ -	$ -
2016	$ -	2	1.0730	$ -	$ -	1	1.0359	$ -	$ -
2017	$ -	3	1.1115	$ -	$ -	2	1.0730	$ -	$ -
2018	$ -	4	1.1514	$ -	$ -	3	1.1115	$ -	$ -
2019	$ -	5	1.1926	$ -	$ -	4	1.1514	$ -	$ -
2020	$ -	6	1.2354	$ -	$ -	5	1.1926	$ -	$ -
2021	$ -	7	1.2797	$ -	$ -	6	1.2354	$ -	$ -
2022	$ -	8	1.3256	$ -	$ -	7	1.2797	$ -	$ -
2023	$ -	9	1.3732	$ -	$ -	8	1.3256	$ -	$ -
2024	$ -	10	1.4224	$ -	$ -	9	1.3732	$ -	$ -
2025	$ -	11	1.4734	$ -	$ -	10	1.4224	$ -	$ -
2026	$ -	12	1.5263	$ -	$ -	11	1.4734	$ -	$ -
2027	$ -	13	1.5810	$ -	$ -	12	1.5263	$ -	$ -
2028	$ -	14	1.6377	$ -	$ -	13	1.5810	$ -	$ -
2029	$ -	15	1.6964	$ -	$ -	14	1.6377	$ -	$ -
2030	$ -	16	1.7573	$ -	$ -	15	1.6964	$ -	$ -
2031	$ -	17	1.8203	$ -	$ -	16	1.7573	$ -	$ -
2032	$ -	18	1.8856	$ -	$ -	17	1.8203	$ -	$ -
2033	$ -	19	1.9532	$ -	$ -	18	1.8856	$ -	$ -
2034	$ -	20	2.0233	$ -	$ -	19	1.9532	$ -	$ -
2035	$ -	21	2.0958	$ -	$ -	20	2.0233	$ -	$ -
2036	$ -	22	2.1710	$ -	$ -	21	2.0958	$ -	$ -
2037	$ -	23	2.2488	$ -	$ -	22	2.1710	$ -	$ -
2038	$ -	24	2.3295	$ -	$ -	23	2.2488	$ -	$ -
2039	$ -	25	2.4130	$ -	$ -	24	2.3295	$ -	$ -
2040	$ -	26	2.4996	$ -	$ -	25	2.4130	$ -	$ -
2041	$ -	27	2.5892	$ -	$ -	26	2.4996	$ -	$ -
2042	$ -	28	2.6821	$ -	$ -	27	2.5892	$ -	$ -
2043	$ -	29	2.7783	$ -	$ -	28	2.6821	$ -	$ -
2044	$ 17,507,000	30	2.8779	$ 50,383,459	$ -	29	2.7783	$ -	$ 50,383,459
2045	$ 98,024,000	31	2.9811	$ 292,220,854	$ -	30	2.8779	$ -	$ 292,220,854
2046	$ 168,804,000	32	3.0880	$ 521,271,595	$ -	31	2.9811	$ -	$ 521,271,595
2047	$ 173,361,000	33	3.1988	$ 554,543,057	$ -	32	3.0880	$ -	$ 554,543,057
2048	$ 103,926,000	34	3.3135	$ 344,358,353	$ -	33	3.1988	$ -	$ 344,358,353
2049	$ 103,642,000	35	3.4323	$ 355,733,476	$ -	34	3.3135	$ -	$ 355,733,476
2050	$ 73,664,000	36	3.5554	$ 261,906,810	$ -	35	3.4323	$ -	$ 261,906,810
2051	$ 46,547,000	37	3.6829	$ 171,429,568	$ 9,437,000	36	3.5554	$ 33,552,543	$ 204,982,111
2052	$ 65,042,000	38	3.8150	$ 248,136,392	$ -	37	3.6829	$ -	$ 248,136,392
2053	$ 14,217,000	39	3.9518	$ 56,183,279	$ -	38	3.8150	$ -	$ 56,183,279
2054	$ -	40	4.0936	$ -	$ -	39	3.9518	$ -	$ -

Ameren Missouri
Callaway Energy Center Tax-Qualified Nuclear Decommissioning Trust Fund
Missouri Jurisdiction

Reconciliation of December 31, 2014 Ending Balance with December 31, 2015 After-Tax Liquidation Value
Used As Beginning Balance for Funding Adequacy Analysis

December 31, 2014		Total Market Value of Fund:	$	548,726,306.87
	+	Contributions to Fund - January 1, 2015 through December 31, 2015		6,758,605.00
	+	Investment Income - January 1, 2015 through December 31, 2015		6,046,304.96
	-	Management & Trust Fees - January 1, 2015 through December 31, 2015		434,144.46
	-	Tax Expense - January 1, 2015 through December 31, 2015		4,837,000.00
December 31, 2015	=	Total Market Value of Fund:	$	556,260,072.37

December 31, 2015		Total Market Value of Fund:	$	556,260,072.37
	-	Total Book Value of Fund:		340,492,877.26
	=	Total Unrealized Gains	$	215,767,195.11
		Consolidated Federal & State Income Tax Rate		20.00%
		Income Tax Liability on Unrealized Gains	$	43,153,439.02
		Total Market Value of Fund:	$	556,260,072.37
	-	Income Tax Liability on Unrealized Gains	$	43,153,439.02
December 31, 2015	=	After-Tax Liquidation Value of Fund (Use for Beginning Balance for Funding Adequacy Analysis)	$	513,106,633.35

Ameren Missouri

Callaway Energy Center Tax-Qualified Nuclear Decommissioning Trust Fund Projection

Missouri Jurisdiction

Plant Decommissioning Fund Projection

December 31, 2015	Fund Balance:	$ 513,106,633
December 31, 2053	EOY Fund Balance:	$ 0
	Current contribution:	$ 6,758,605
	Revised contribution:	$ 6,314,620
	CPI Inflation:	2.300%
	Decommissioning Inflation:	3.5864%

Effective Date of Revised Annual Contribution

Year:	2016
Quarter:	1

Equity Allocation:	65.00%
Bond Allocation:	35.00%
Switch Out of Equities at End-Of-Year:	2043

Nominal Pre-Tax & Expense Returns

Bonds:	3.400%
Equities:	8.500%
Weighted Average - Bonds & Equities:	6.715%

Real Pre-Tax & Expense Returns

Bonds:	1.100%
Equities:	6.200%
Weighted Average - Bonds & Equities:	4.415%

Federal Income Tax Rate:	20.00%
Missouri State Income Tax Rate:	0.00%
Percentage of Federal Taxes Deductible on MO Taxes:	50.00%
Composite Federal & State Income Tax Rate:	20.0000%
Management & Trust Fees: (BP)	15.00

Fund Projections

Year Ending December 31, 20xx	Beginning-of-Year Balance	Annual Cash Inflow From Contributions To Fund	Pre Tax & Fee Income	Investment Management & Trust Fees	Federal & State Income Taxes	After Tax & Fee Income	Decommissioning Expenses (Inflated $$)	End-Of-Year Balance
TOTAL		**$ 183,546,382**	**$ 2,772,136,687**	**$ 72,744,403**	**$ 539,878,457**	**$ 2,159,513,827**	**$ 2,856,166,842**	
December 31, 2015								$ 513,106,633
2016	513,106,633	6,425,616	34,670,850	800,482	6,774,074	27,096,295	-	546,628,544
2017	546,628,544	6,314,620	36,918,120	852,367	7,213,151	28,852,602	-	581,795,766
2018	581,795,766	6,314,620	39,279,599	906,889	7,674,542	30,698,168	-	618,808,554
2019	618,808,554	6,314,620	41,765,008	964,273	8,160,147	32,640,588	-	657,763,762
2020	657,763,762	6,314,620	44,380,850	1,024,667	8,671,237	34,684,946	-	698,763,329
2021	698,763,329	6,314,620	47,133,971	1,088,231	9,209,148	36,836,592	-	741,914,540
2022	741,914,540	6,314,620	50,031,575	1,155,131	9,775,289	39,101,155	-	787,330,315
2023	787,330,315	6,314,620	53,081,244	1,225,542	10,371,140	41,484,561	-	835,129,496
2024	835,129,496	6,314,620	56,290,959	1,299,648	10,998,262	43,993,048	-	885,437,165
2025	885,437,165	6,314,620	59,669,119	1,377,644	11,658,295	46,633,180	-	938,384,965
2026	938,384,965	6,314,620	63,224,564	1,459,732	12,352,966	49,411,866	-	994,111,450
2027	994,111,450	6,314,620	66,966,597	1,546,128	13,084,094	52,336,375	-	1,052,762,446
2028	1,052,762,446	6,314,620	70,905,012	1,637,058	13,853,591	55,414,363	-	1,114,491,428
2029	1,114,491,428	6,314,620	75,050,113	1,732,761	14,663,470	58,653,882	-	1,179,459,930
2030	1,179,459,930	6,314,620	79,412,748	1,833,485	15,515,852	62,063,410	-	1,247,837,960
2031	1,247,837,960	6,314,620	84,004,332	1,939,496	16,412,967	65,651,869	-	1,319,804,449
2032	1,319,804,449	6,314,620	88,836,882	2,051,070	17,357,162	69,428,649	-	1,395,547,718
2033	1,395,547,718	6,314,620	93,923,043	2,168,500	18,350,909	73,403,634	-	1,475,265,972
2034	1,475,265,972	6,314,620	99,276,123	2,292,092	19,396,806	77,587,225	-	1,559,167,817
2035	1,559,167,817	6,314,620	104,910,132	2,422,170	20,497,592	81,990,370	-	1,647,472,807
2036	1,647,472,807	6,314,620	110,839,812	2,559,075	21,656,147	86,624,590	-	1,740,412,017
2037	1,740,412,017	6,314,620	117,080,680	2,703,165	22,875,503	91,502,013	-	1,838,228,650
2038	1,838,228,650	6,314,620	123,649,067	2,854,816	24,158,850	96,635,401	-	1,941,178,671
2039	1,941,178,671	6,314,620	130,562,161	3,014,426	25,509,547	102,038,188	-	2,049,531,479
2040	2,049,531,479	6,314,620	137,838,052	3,182,412	26,931,128	107,724,512	-	2,163,570,612
2041	2,163,570,612	6,314,620	145,495,780	3,359,214	28,427,313	113,709,253	-	2,283,594,485
2042	2,283,594,485	6,314,620	153,555,383	3,545,294	30,002,018	120,008,071	-	2,409,917,176
2043	2,409,917,176	6,314,620	162,037,952	3,741,140	31,659,362	126,637,449	-	2,542,869,245
2044	2,542,869,245	6,626,026	85,713,678	3,845,771	16,373,581	65,494,326	50,383,459	2,564,606,138
2045	2,564,606,138	-	82,228,854	3,689,415	15,707,888	62,831,551	292,220,854	2,335,216,835
2046	2,335,216,835	-	70,535,755	3,164,773	13,474,196	53,896,786	521,271,595	1,867,842,025
2047	1,867,842,025	-	54,079,397	2,426,415	10,330,596	41,322,385	554,543,057	1,354,621,353
2048	1,354,621,353	-	40,203,034	1,803,816	7,679,844	30,719,375	344,358,353	1,040,982,375
2049	1,040,982,375	-	29,345,932	1,316,683	5,605,850	22,423,399	355,733,476	707,672,298
2050	707,672,298	-	19,608,442	879,785	3,745,732	14,982,926	261,906,810	460,748,414
2051	460,748,414	-	12,751,143	572,114	2,435,806	9,743,224	171,429,568	299,062,070
2052	299,062,070	-	5,949,792	266,953	1,136,568	4,546,271	248,136,392	55,471,949
2053	55,471,949	-	930,931	41,769	177,832	711,329	56,183,279	0
2054	0	-	0	0	0	0	-	0

Ameren Missouri

Callaway Energy Center Tax-Qualified Nuclear Decommissioning Trust Fund Projection

Missouri Jurisdiction

ISFSI Decommissioning Fund Projection

December 31, 2015	Fund Balance:	$ -
December 31, 2051	EOY Fund Balance:	$ -
	Revised contribution:	$ 443,985
	CPI Inflation:	2.300%
	Decommissioning Inflation:	3.5864%

Effective Date of Revised Annual Contribution

Year:	2016
Quarter:	1

Equity Allocation:	65.00%
Bond Allocation:	35.00%
Switch Out of Equities at End-Of-Year:	2043
Nominal Pre-Tax & Expense Returns	
Bonds:	3.400%
Equities:	8.500%
Weighted Average - Bonds & Equities:	6.715%
Real Pre-Tax & Expense Returns	
Bonds:	1.100%
Equities:	6.200%
Bonds & Equities	4.415%

Federal Income Tax Rate:	20.00%
Missouri State Income Tax Rate:	0.00%
Percentage of Federal Taxes Deductible on MO Taxes:	50.00%
Composite Federal & State Income Tax Rate:	20.0000%
Management & Trust Fees: (BP)	15.00

Fund Projections

Year Ending December 31, 20xx	Beginning-of-Year Balance	Annual Cash Inflow From Contributions To Fund	Pre Tax & Fee Income	Investment Management & Trust Fees	Federal & State Income Taxes	After Tax & Fee Income	Decommissioning Expenses (Inflated $$)	End-Of-Year Balance
TOTAL		**$ 12,786,464**	**$ 26,742,143**	**$ 784,544**	**$ 5,191,520**	**$ 20,766,079**	**$ 33,552,543**	
December 31, 2015								$ -
2016	-	332,989	11,180	258	2,184	8,738	-	341,726
2017	341,726	443,985	37,854	874	7,396	29,584	-	815,295
2018	815,295	443,985	69,654	1,608	13,609	54,437	-	1,313,717
2019	1,313,717	443,985	103,123	2,381	20,148	80,594	-	1,838,295
2020	1,838,295	443,985	138,348	3,194	27,031	108,123	-	2,390,404
2021	2,390,404	443,985	175,422	4,050	34,274	137,098	-	2,971,486
2022	2,971,486	443,985	214,442	4,951	41,898	167,593	-	3,583,064
2023	3,583,064	443,985	255,510	5,899	49,922	199,688	-	4,226,737
2024	4,226,737	443,985	298,732	6,897	58,367	233,468	-	4,904,191
2025	4,904,191	443,985	344,223	7,947	67,255	269,021	-	5,617,196
2026	5,617,196	443,985	392,102	9,053	76,610	306,439	-	6,367,620
2027	6,367,620	443,985	442,492	10,216	86,455	345,821	-	7,157,426
2028	7,157,426	443,985	495,528	11,441	96,817	387,270	-	7,988,681
2029	7,988,681	443,985	551,347	12,730	107,723	430,894	-	8,863,560
2030	8,863,560	443,985	610,095	14,086	119,202	476,807	-	9,784,352
2031	9,784,352	443,985	671,926	15,513	131,283	525,130	-	10,753,467
2032	10,753,467	443,985	737,002	17,016	143,997	575,989	-	11,773,441
2033	11,773,441	443,985	805,493	18,597	157,379	629,517	-	12,846,943
2034	12,846,943	443,985	877,579	20,262	171,463	685,854	-	13,976,781
2035	13,976,781	443,985	953,448	22,013	186,287	745,148	-	15,165,914
2036	15,165,914	443,985	1,033,298	23,857	201,888	807,553	-	16,417,452
2037	16,417,452	443,985	1,117,339	25,797	218,308	873,233	-	17,734,670
2038	17,734,670	443,985	1,205,790	27,839	235,590	942,360	-	19,121,016
2039	19,121,016	443,985	1,298,883	29,989	253,779	1,015,115	-	20,580,116
2040	20,580,116	443,985	1,396,862	32,251	272,922	1,091,689	-	22,115,790
2041	22,115,790	443,985	1,499,982	34,632	293,070	1,172,280	-	23,732,055
2042	23,732,055	443,985	1,608,514	37,137	314,275	1,257,101	-	25,433,141
2043	25,433,141	443,985	1,722,742	39,775	336,593	1,346,374	-	27,223,500
2044	27,223,500	465,880	933,519	41,885	178,327	713,307	-	28,402,688
2045	28,402,688	-	965,691	43,328	184,473	737,890	-	29,140,578
2046	29,140,578	-	990,780	44,454	189,265	757,061	-	29,897,639
2047	29,897,639	-	1,016,520	45,609	194,182	776,729	-	30,674,368
2048	30,674,368	-	1,042,928	46,794	199,227	796,908	-	31,471,275
2049	31,471,275	-	1,070,023	48,009	204,403	817,611	-	32,288,887
2050	32,288,887	-	1,097,822	49,257	209,713	838,852	-	33,127,739
2051	33,127,739	-	555,950	24,944	106,201	424,805	33,552,543	-
2052	-	-	-	-	-	-	-	-
2053	-	-	-	-	-	-	-	-
2054	-	-	-	-	-	-	-	-

Ameren Missouri
Callaway Energy Center Tax-Qualified Nuclear Decommissioning Trust Fund Projection
Missouri Jurisdiction
Consolidated Plant & ISFSI Decommissioning Fund Projection

		Equity Allocation:	65.00%	Federal Income Tax Rate:	20.00%
		Bond Allocation:	35.00%	Missouri State Income Tax Rate:	0.00%
		Switch Out of Equities at End-Of-Year:	2043	Percentage of Federal Taxes Deductible on MO Taxes:	50.00%
Current Total Contribution:	$ 6,758,605			Composite Federal & State Income Tax Rate:	20.0000%
Revised Total Contribution:	$ 6,758,605	Nominal Pre-Tax & Expense Returns			
		Bonds:	3.400%	Management & Trust Fees: (BP)	15.00
CPI Inflation:	2.300%	Equities:	8.500%		
Decommissioning Inflation:	3.5864%	Weighted Average - Bonds & Equities:	6.715%		
Effective Date of Revised Annual Contribution		Real Pre-Tax & Expense Returns			
Year:	2016	Bonds:	1.100%		
Quarter:	1	Equities:	6.200%		
		Bonds & Equities	4.415%		

Fund Projections

Year Ending December 31, 20xx	Beginning-of-Year Balance	Annual Cash Inflow From Contributions To Fund	Pre Tax & Fee Income	Investment Management & Trust Fees	Federal & State Income Taxes	After Tax & Fee Income	Decommissioning Expenses (Inflated $$)	End-Of-Year Balance
TOTAL		**$ 196,332,846**	**$ 2,798,878,830**	**$ 73,528,947**	**$ 545,069,977**	**$ 2,180,279,906**	**$ 2,889,719,386**	
December 31, 2015								$ 513,106,633
2016	513,106,633	$ 6,758,605	$ 34,682,031	$ 800,740	$ 6,776,258	$ 27,105,032	$ -	546,970,270
2017	546,970,270	$ 6,758,605	$ 36,955,974	$ 853,241	$ 7,220,546	$ 28,882,186	$ -	582,611,061
2018	582,611,061	$ 6,758,605	$ 39,349,253	$ 908,497	$ 7,688,151	$ 30,752,604	$ -	620,122,271
2019	620,122,271	$ 6,758,605	$ 41,868,131	$ 966,653	$ 8,180,295	$ 32,721,182	$ -	659,602,058
2020	659,602,058	$ 6,758,605	$ 44,519,198	$ 1,027,861	$ 8,698,267	$ 34,793,070	$ -	701,153,732
2021	701,153,732	$ 6,758,605	$ 47,309,393	$ 1,092,282	$ 9,243,422	$ 36,973,689	$ -	744,886,026
2022	744,886,026	$ 6,758,605	$ 50,246,017	$ 1,160,083	$ 9,817,187	$ 39,268,747	$ -	790,913,379
2023	790,913,379	$ 6,758,605	$ 53,336,754	$ 1,231,442	$ 10,421,062	$ 41,684,250	$ -	839,356,234
2024	839,356,234	$ 6,758,605	$ 56,589,691	$ 1,306,546	$ 11,056,629	$ 44,226,517	$ -	890,341,355
2025	890,341,355	$ 6,758,605	$ 60,013,342	$ 1,385,591	$ 11,725,550	$ 46,902,201	$ -	944,002,161
2026	944,002,161	$ 6,758,605	$ 63,616,665	$ 1,468,785	$ 12,429,576	$ 49,718,304	$ -	1,000,479,070
2027	1,000,479,070	$ 6,758,605	$ 67,409,090	$ 1,556,344	$ 13,170,549	$ 52,682,196	$ -	1,059,919,872
2028	1,059,919,872	$ 6,758,605	$ 71,400,540	$ 1,648,499	$ 13,950,408	$ 55,801,632	$ -	1,122,480,109
2029	1,122,480,109	$ 6,758,605	$ 75,601,459	$ 1,745,490	$ 14,771,194	$ 59,084,775	$ -	1,188,323,489
2030	1,188,323,489	$ 6,758,605	$ 80,022,842	$ 1,847,571	$ 15,635,054	$ 62,540,217	$ -	1,257,622,311
2031	1,257,622,311	$ 6,758,605	$ 84,676,258	$ 1,955,010	$ 16,544,250	$ 66,176,999	$ -	1,330,557,915
2032	1,330,557,915	$ 6,758,605	$ 89,573,884	$ 2,068,086	$ 17,501,160	$ 70,004,638	$ -	1,407,321,159
2033	1,407,321,159	$ 6,758,605	$ 94,728,536	$ 2,187,097	$ 18,508,288	$ 74,033,151	$ -	1,488,112,915
2034	1,488,112,915	$ 6,758,605	$ 100,153,702	$ 2,312,354	$ 19,568,270	$ 78,273,079	$ -	1,573,144,599
2035	1,573,144,599	$ 6,758,605	$ 105,863,580	$ 2,444,184	$ 20,683,879	$ 82,735,517	$ -	1,662,638,721
2036	1,662,638,721	$ 6,758,605	$ 111,873,110	$ 2,582,932	$ 21,858,036	$ 87,432,143	$ -	1,756,829,469
2037	1,756,829,469	$ 6,758,605	$ 118,198,019	$ 2,728,962	$ 23,093,811	$ 92,375,246	$ -	1,855,963,320
2038	1,855,963,320	$ 6,758,605	$ 124,854,857	$ 2,882,655	$ 24,394,440	$ 97,577,762	$ -	1,960,299,686
2039	1,960,299,686	$ 6,758,605	$ 131,861,044	$ 3,044,414	$ 25,763,326	$ 103,053,304	$ -	2,070,111,595
2040	2,070,111,595	$ 6,758,605	$ 139,234,914	$ 3,214,663	$ 27,204,050	$ 108,816,201	$ -	2,185,686,401
2041	2,185,686,401	$ 6,758,605	$ 146,995,762	$ 3,393,845	$ 28,720,383	$ 114,881,533	$ -	2,307,326,539
2042	2,307,326,539	$ 6,758,605	$ 155,163,897	$ 3,582,432	$ 30,316,293	$ 121,265,172	$ -	2,435,350,317
2043	2,435,350,317	$ 6,758,605	$ 163,760,694	$ 3,780,915	$ 31,995,956	$ 127,983,823	$ -	2,570,092,745
2044	2,570,092,745	$ 7,091,906	$ 86,647,197	$ 3,887,656	$ 16,551,908	$ 66,207,633	$ 50,383,459	2,593,008,826
2045	2,593,008,826	$ -	$ 83,194,546	$ 3,732,744	$ 15,892,360	$ 63,569,442	$ 292,220,854	2,364,357,413
2046	2,364,357,413	$ -	$ 71,526,535	$ 3,209,227	$ 13,663,462	$ 54,653,846	$ 521,271,595	1,897,739,664
2047	1,897,739,664	$ -	$ 55,095,917	$ 2,472,024	$ 10,524,778	$ 42,099,114	$ 554,543,057	1,385,295,721
2048	1,385,295,721	$ -	$ 41,245,963	$ 1,850,609	$ 7,879,071	$ 31,516,283	$ 344,358,353	1,072,453,651
2049	1,072,453,651	$ -	$ 30,415,955	$ 1,364,692	$ 5,810,253	$ 23,241,010	$ 355,733,476	739,961,184
2050	739,961,184	$ -	$ 20,706,265	$ 929,041	$ 3,955,445	$ 15,821,779	$ 261,906,810	493,876,153
2051	493,876,153	$ -	$ 13,307,093	$ 597,058	$ 2,542,007	$ 10,168,028	$ 204,982,111	299,062,070
2052	299,062,070	$ -	$ 5,949,792	$ 266,953	$ 1,136,568	$ 4,546,271	$ 248,136,392	55,471,949
2053	55,471,949	$ -	$ 930,931	$ 41,769	$ 177,832	$ 711,329	$ 56,183,279	0
2054	0	$ -	$ 0	$ 0	$ 0	$ 0	$ -	0