OLD SCENARIOS:

1a, 1b, 1c

8% rebate
tax-basing social
20% reduction

1a
GA - RPP only
1b
GA - Class B
1c
GA - all

Residential (750 kWh/month)	Actual 2016	2017
Total Bill (includes HST)	**163**	**172**
Total Bill (excludes HST)	145	153
Impact of GA Financing		-18.10
Impact of OPG Efficiencies		-0.71
Impact of Tax-Basing Social Programs		-2.41
Subtotal		131
8% rebate		-11
HST		17
Revised Bill (includes HST)	**163**	**138**
Year-over-Year Change		-16%
Change from Forecast		**-20%**

Fiscal Impact ($M)	17-18
Tax-Basing Social Programs	362
Change from Status Quo Rebate	TBC

2a, 2b, 2c

8% rebate
tax-basing social
GA - Class B
25% reduction

Residential (750 kWh/month)	Ac
Total Bill (includes HST)	
Total Bill (excludes HST)	
Impact of GA Financing	
Impact of OPG Efficiencies	
Impact of Tax-Basing Social Programs	
Subtotal	
8% rebate	
HST	
Revised Bill (includes HST)	
Year-over-Year Change	
Change from Forecast	

3

15% rebate
no tax-basing social
GA - all
25% reduction

Residential (750 kWh/month)	Ac
Total Bill (includes HST)	
Total Bill (excludes HST)	
Impact of GA Financing	
Impact of OPG Efficiencies	
Subtotal	
15% rebate	
HST	
Revised Bill (includes HST)	
Year-over-Year Change	
Change from Forecast	

4

8%
tax-basing social
GA - all
28% reduction

Residential (750 kWh/month)	Actu
Total Bill (includes HST)	
Total Bill (excludes HST)	
Impact of GA Financing	
Impact of OPG Efficiencies	
Impact of Tax-Basing Social Programs	
Subtotal	
8% rebate	
HST	
Revised Bill (includes HST)	
Year-over-Year Change	
Change from Forecast	

2018	2019	2020	2021
175	**178**	**189**	**187**
155	158	168	165
-17.68	-17.29	-24.39	-19.20
-0.89	-1.08	-1.22	-1.35
-2.45	-2.49	-2.54	-2.58
134	137	139	142
-11	-11	-11	-11
17	18	18	18
141	**144**	**146**	**149**
2%	2%	2%	2%
-20%	**-19%**	**-23%**	**-20%**

18-19	19-20	20-21
409	450	485
TBC	TBC	TBC

ctual					
2016	**2017**	**2018**	**2019**	**2020**	**2021**
163	**172**	**175**	**178**	**189**	**187**
145	153	155	158	168	165
	-26.31	-26.05	-25.83	-33.10	-28.09
	-1	-1	-1	-1	-1
	-2	-2	-2	-3	-3
	123	126	128	131	133
	-10	-10	-10	-10	-11
	16	16	17	17	17
163	**129**	**132**	**135**	**137**	**140**
	-21%	2%	2%	2%	2%
	-25%	**-25%**	**-24%**	**-28%**	**-25%**

ctual					
2016	**2017**	**2018**	**2019**	**2020**	**2021**
163	**172**	**175**	**178**	**189**	**187**
145	153	155	158	168	165
	-19.92	-19.53	-19.17	-26.31	-21.14
	-1	-1	-1	-1	-1
	132	135	137	140	143
	-20	-20	-21	-21	-21
	17	17	18	18	19
163	**129**	**132**	**135**	**137**	**140**
	-21%	2%	2%	2%	2%
	-25.00%	**-24.70%**	**-24.42%**	**-27.52%**	**-25.07%**

	ual 2016	2017	2018	2019	2020	2021
	163	**172**	**175**	**178**	**189**	**187**
	160	153	155	158	168	165
		-31.23	-31.08	-30.96	-38.33	-33.42
		-1	-1	-1	-1	-1
		-2	-2	-2	-3	-3
		118	121	123	125	128
		-9	-10	-10	-10	-10
		15	16	16	16	17
	163	**124**	**127**	**129**	**132**	**134**
		-24%	2%	2%	2%	2%
		-28%	**-28%**	**-27%**	**-30%**	**-28%**

Impact of Financing

	2017	2018	2019	2020	2021
Scenario 1 (Old 2c)	-27.02	-26.94	-26.91	-34.32	-28.09
Scenario 2 (new 2)	-18.81	-18.57	-18.37	-25.61	-20.55

New Scenarios

2

8% rebate
tax-basing social
hold RPP flat for 4 years
GA - Class B
25% reduction
2% increase YoY

3

8% rebate
tax-basing social
GA - Class B
25% reduction
3% increase YoY

includes "Impact of GA Financing" and "Impact of OPG Efficiencies" from the New new scenarios

Residential (750 kWh/month)	Actual 2016
Total Bill (includes HST)	**163**
Total Bill (excludes HST)	
Impact of Flat RPP (for 4 years)	
Impact of GA Financing	
Impact of OPG Efficiencies	
Impact of Tax-Basing Social Programs	
Subtotal	
8% rebate	
HST	
Revised Bill (includes HST)	**163**
Year-over-Year Change	
Change from Forecast	

Residential (750 kWh/month)	Actual 2016
Total Bill (includes HST)	**163**
Total Bill (excludes HST)	
Impact of GA Financing	
Impact of OPG Efficiencies	
Impact of Tax-Basing Social Programs	
Subtotal	
8% rebate	
HST	
Revised Bill (includes HST)	**163**
Year-over-Year Change	
Change from Forecast	

2017	2018	2019	2020	2021
172	**175**	**178**	**189**	**187**
153	155	158	168	165
0.00	-0.35	-0.80	-8.16	-3.80
-26.31	-25.71	-25.03	-24.94	-24.28
-1	-1	-1	-1	-1
-2	-2	-2	-3	-3
123	126	128	131	133
-10	-10	-10	-10	-11
16	16	17	17	17
129	**132**	**135**	**137**	**140**
-21%	2%	2%	2%	2%
-25%	**-25%**	**-24%**	**-28%**	**-25%**

2017	2018	2019	2020	2021
172	**175**	**178**	**189**	**187**
153	155	158	168	165
-26.31	-24.82	-23.31	-29.22	-22.78
-1	-1	-1	-1	-1
-2	-2	-2	-3	-3
123	127	131	135	139
-10	-10	-10	-11	-11
16	16	17	17	18
129	**133**	**137**	**141**	**146**
-21%	3%	3%	3%	3%
-25%	**-24%**	**-23%**	**-25%**	**-22%**

New new scenarios

2abc -> 1 -> 1d

8% rebate
tax-basing social
GA - Class B
25% reduction

Residential (750 kWh/month)	Ac
Total Bill (includes HST)	
Total Bill (excludes HST)	
Impact of GA Financing	
Impact of OPG Efficiencies	
Impact of Tax-Basing Social Programs	
Subtotal	
8% rebate	
HST	
Revised Bill (includes HST)	
Year-over-Year Change	
Change from Forecast	

1 -> 1e

8% rebate
tax-basing social
20% reduction

Residential (750 kWh/month)	Ac
Total Bill (includes HST)	
Total Bill (excludes HST)	
Impact of GA Financing	
Impact of OPG Efficiencies	
Impact of Tax-Basing Social Programs	
Subtotal	
8% rebate	
HST	
Revised Bill (includes HST)	
Year-over-Year Change	
Change from Forecast	

Change from Forecast

tual 2016	2017	2018	2019	2020	2021
163	**172**	**175**	**178**	**189**	**187**
145	153	155	158	168	165
	-26.31	-26.05	-25.83	-33.10	-28.09
	-0.71	-0.89	-1.08	-1.22	-1.35
	-2	-2	-2	-3	-3
	123	126	128	131	133
	-10	-10	-10	-10	-11
	16	16	17	17	17
163	**129**	**132**	**135**	**137**	**140**
	-21%	2%	2%	2%	2%
	-25%	**-25%**	**-24%**	**-28%**	**-25%**

tual 2016	2017	2018	2019	2020	2021
163	**172**	**175**	**178**	**189**	**187**
145	153	155	158	168	165
	-18.10	-17.68	-17.29	-24.39	-19.20
	-0.71	-0.89	-1.08	-1.22	-1.35
	-2	-2	-2	-3	-3
	131	134	137	139	142
	-11	-11	-11	-11	-11
	17	17	18	18	18
163	**138**	**141**	**144**	**146**	**149**
	-16%	2%	2%	2%	2%
	-20%	**-20%**	**-19%**	**-23%**	**-20%**

Annual Ratepayer GA Payments ($ million)

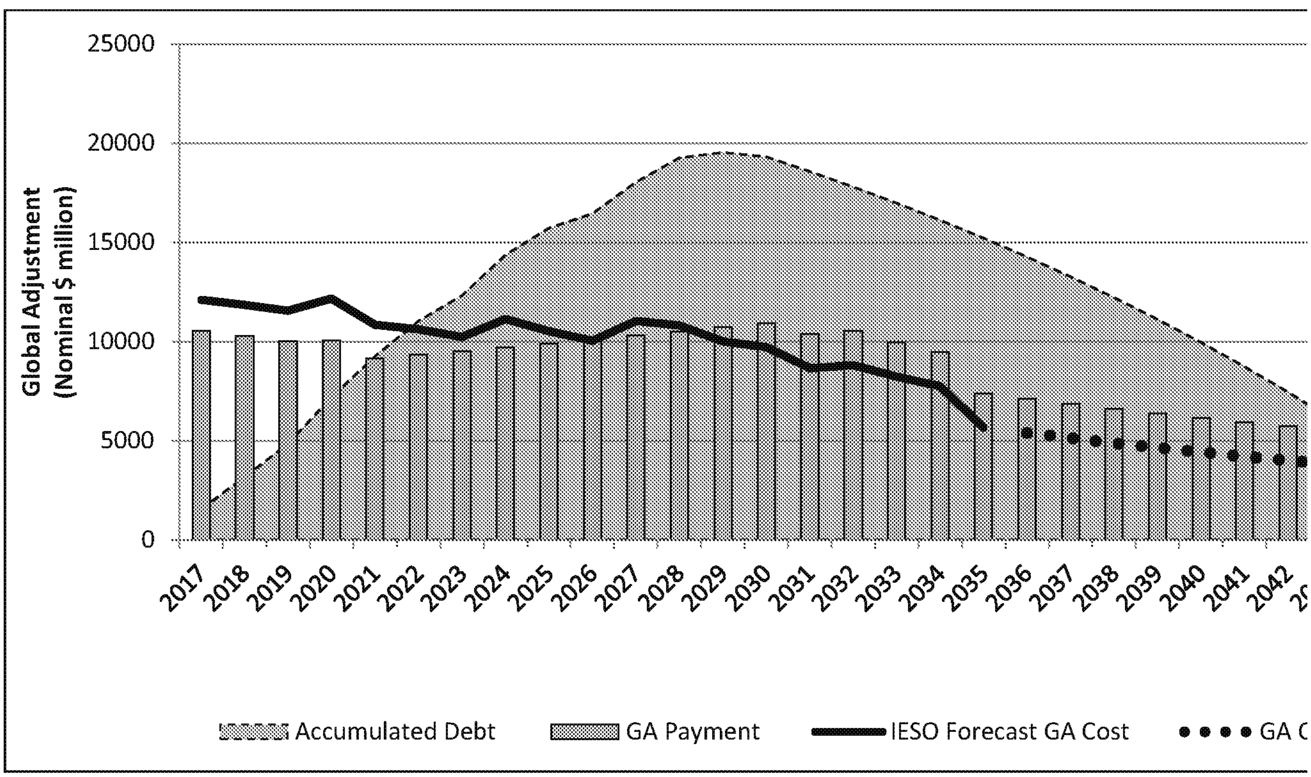
	2017	2018	2019	2020	2021	2022	2023	2024	2025
Status Quo	12095	11835	11552	12168	10844	10634	10243	11128	10527
1d	9856	9602	9338	9344	8532	8703	8877	9054	9236
1e	10537	10296	10041	10061	9153	9336	9522	9713	9907

2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
10033	11043	10819	10009	9721	8654	8820	8238	7756	5662	5389	5129	4881	4645	4421	4207	4004
9420	9609	9801	9997	10197	10401	10609	10821	10983	8889	8615	8355	8107	7872	7647	7434	7231
10105	10307	10513	10724	10938	10383	10548	9966	9485	7391	7117	6857	6609	6373	6149	5936	5732

2043	2044	2045	2046	2047	2048	2049	2050
3811	3627	3451	3285	3126	2975	2831	2695
7037	6853	6678	6511	6353	2975	2831	2695
5539	5355	5180	5013	4854	2975	2831	2695

IESO Forecast GA in 2017 ($ million)	12095

	GA Financing	
Target Change in 2017 Residential Bill ($/month)	-27.02	
Proposed GA paid by ratepayer - 2017 ($ million)	9856	Ctrl-Shift-Q
Percent change from forecast	-19%	
Number of years payments at growth rate 1	0	
Rate of increase (real) in GA paid by ratepayers - growth rate 1	0.00	
Rate of increase (real) in GA paid by ratepayers - growth rate 2	0.0000000	Ctrl-Shift-W
Interest rate (nominal)	0.05116	
Maximum increase in GA ($ million)	1728	Ctrl-Shift-E
Year to start additional payments	2020	
Year to pay off debt	2047	
Fraction of debt paid additionally	0%	
Amount of debt in Final Year (should be zero)	0	
Class to which savings accrue	RPP	"All", "Class B" or "RPP"



Global Impacts

nominal $ million	**2014**	**2015**
IESO Forecast GA Cost		
GA Cost Extrapolated		

GA Payment
Accumulated Debt

Residential Bills (assuming 750 kWh/month)
nominal $/month

	2014	**2015**
Historical Values	**124**	**136**
IESO Forecast		
IESO Forecast Extrapolated		
Financed GA		
Difference in Residential Bill		
Increase in residential bill		

Scenario 2

-2239

	2017	2018
Prescribed Impact of GA Financing	-18.81	-18.57

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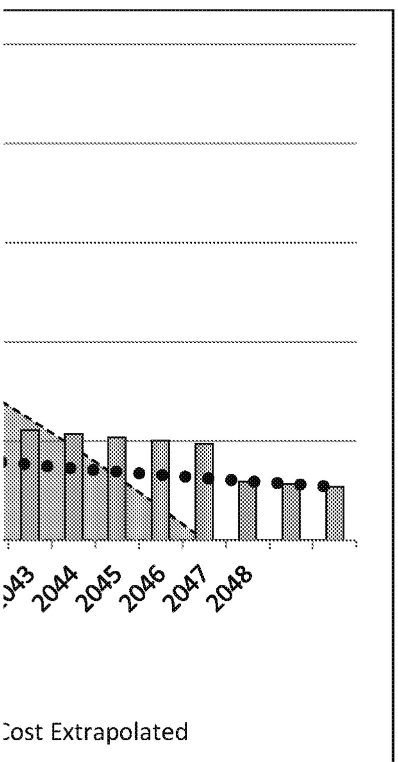
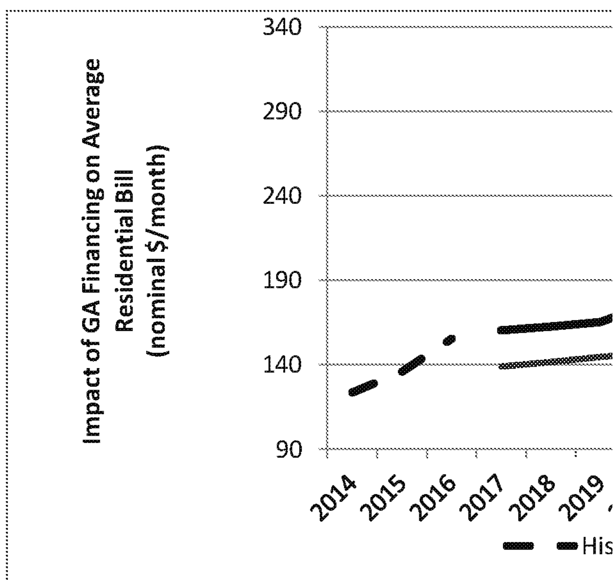


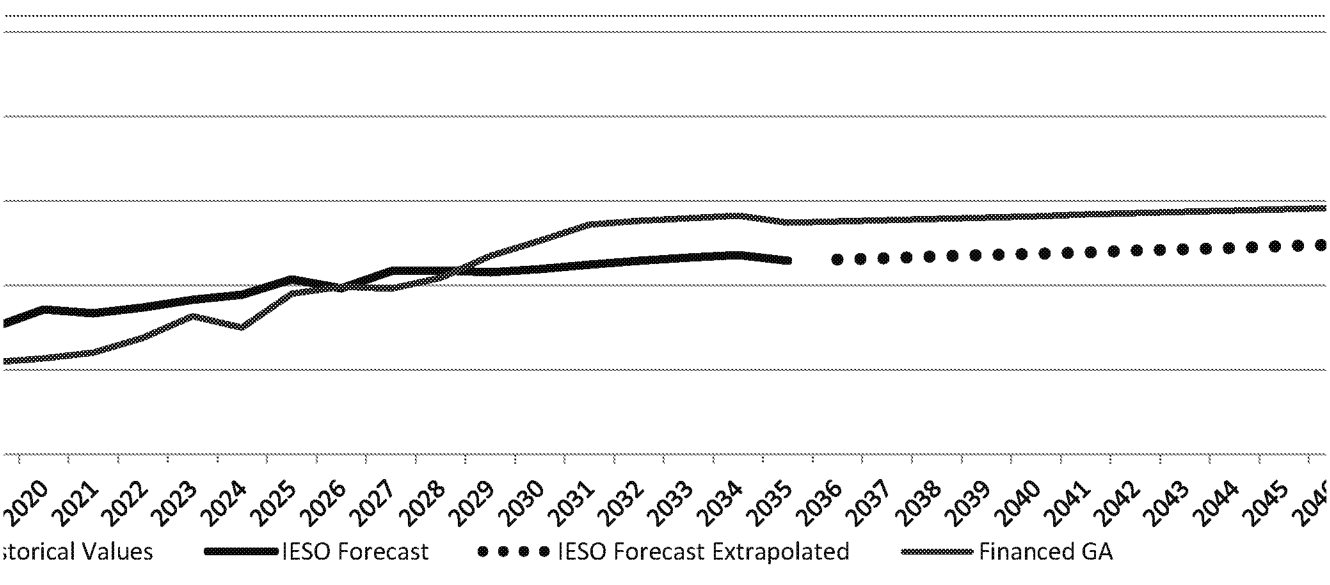


2016	2017	2018	2019	2020	2021	2022
	12095	11835	11552	12168	10844	10634

	10537	10296	10041		10061	9153	9336
	1559	3177	4851		7207	9266	11038
2016	**2017**	**2018**	**2019**		**2020**	**2021**	**2022**
156							
	160	163	165		176	174	177
	139	142	145		147	150	159
	-$ 21	-$ 21	-$ 21	-$	29	-$ 23	-$ 18

Ctrl-Shift-F to fix GA payments in these years to match these numbers

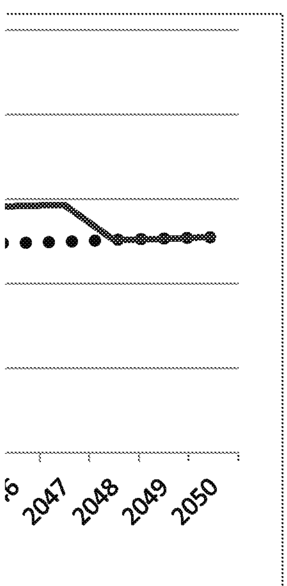
2019	2020	2021
-18.37	-25.61	-20.55



2023	2024	2025	2026	2027
10243	11128	10527	10033	11043

	9522	9713	9907	10105	10307
	12324	14370	15725	16458	18035

	2023	**2024**	**2025**	**2026**	**2027**
	182	184	193	188	198
	172	165	185	189	188
	-$ 10	-$ 19	-$ 9	$ 1	-$ 10



2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
10819	10009	9721	8654	8820	8238	7756	5662								
								5389	5129	4881	4645	4421	4207	4004	3811

10513	10724	10938	10383	10548	9966	9485	7391	7117	6857	6609	6373	6149	5936	5732	5539
19263	19534	19317	18577	17799	16981	16122	15218	14268	13270	12221	11118	9958	8740	7458	6112

2028	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**
199	198	200	202	205	207	208	205								
								205	206	207	208	209	210	211	211
195	208	216	226	228	230	231	227	228	229	230	230	231	232	233	233
-$ 4	$ 10	$ 17	$ 24	$ 23	$ 23	$ 23	$ 23	$ 23	$ 23	$ 22	$ 22	$ 22	$ 22	$ 22	$ 22

	###	###	###	###
Average Monthly Residential Bill Impact pre-tax *($/month)*	-18.8	-18.6	-18.4	-25.6
Total Accumulated Debt *($ billion)*	1.6	3.2	4.9	7.2
Total Change in Accumulated Debt *($ billion)*	1.6	1.6	1.7	2.4

2044	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
3627	3451	3285	3126	2975	2831	2695

5355	5180	5013	4854	2975	2831	2695
4696	3208	1644	0	0	0	0

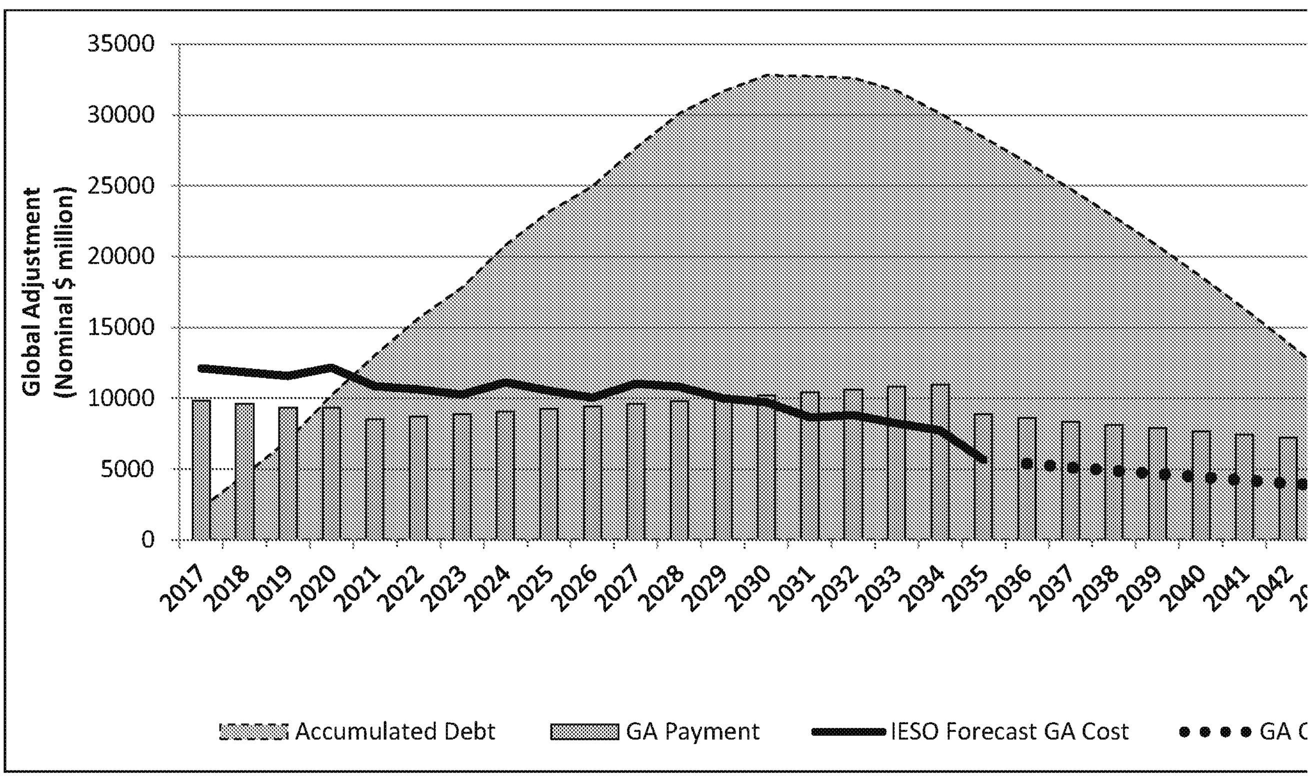
2044	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
212	213	214	215	216	217	218
234	235	236	237	216	217	218
$ 22	$ 22	$ 22	$ 22	$ -	$ -	$ -

###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###
-20.5	-15.8	-8.8	-17.2	-7.5	0.9	-8.9	-3.7	8.7	14.7	20.9	20.7	20.6	20.4	20.2	20.1	20.0	19.9	19.8	19.7
9.3	11.0	12.3	14.4	15.7	16.5	18.0	19.3	19.5	19.3	18.6	17.8	17.0	16.1	15.2	14.3	13.3	12.2	11.1	10.0
2.1	1.8	1.3	2.0	1.4	0.7	1.6	1.2	0.3	-0.2	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.1	-1.2

###	###	###	###	###	###	###	###
19.7	19.6	19.5	19.4	19.3	19.3	19.2	0.0
8.7	7.5	6.1	4.7	3.2	1.6	0.0	0.0
-1.2	-1.3	-1.3	-1.4	-1.5	-1.6	-1.6	0.0

IESO Forecast GA in 2017 ($ million)	12095

	GA Financing	
Target Change in 2017 Residential Bill ($/month)	-27.02	
Proposed GA paid by ratepayer - 2017 ($ million)	9856	Ctrl-Shift-Q
Percent change from forecast	-19%	
Number of years payments at growth rate 1	0	
Rate of increase (real) in GA paid by ratepayers - growth rate 1	0.00	
Rate of increase (real) in GA paid by ratepayers - growth rate 2	0.0000000	Ctrl-Shift-W
Interest rate (nominal)	0.05116	
Maximum increase in GA ($ million)	3226	Ctrl-Shift-E
Year to start additional payments	2020	
Year to pay off debt	2047	
Fraction of debt paid additionally	0%	
Amount of debt in Final Year (should be zero)	0	
Class to which savings accrue	RPP	"All", "Class B" or "RPP"



Global Impacts

nominal $ million	**2014**	**2015**
IESO Forecast GA Cost		
GA Cost Extrapolated		

GA Payment
Accumulated Debt

Residential Bills (assuming 750 kWh/month)
nominal $/month

	2014	**2015**
Historical Values	**124**	**136**
IESO Forecast		
IESO Forecast Extrapolated		
Financed GA		
Difference in Residential Bill		
Increase in residential bill		

	Scenario	1	
-2239		2017	2018
	Prescribed Impact of GA Financing	-27.02	-26.94

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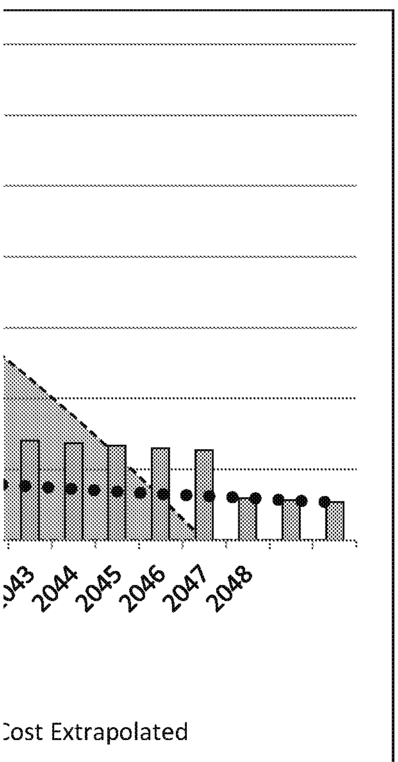
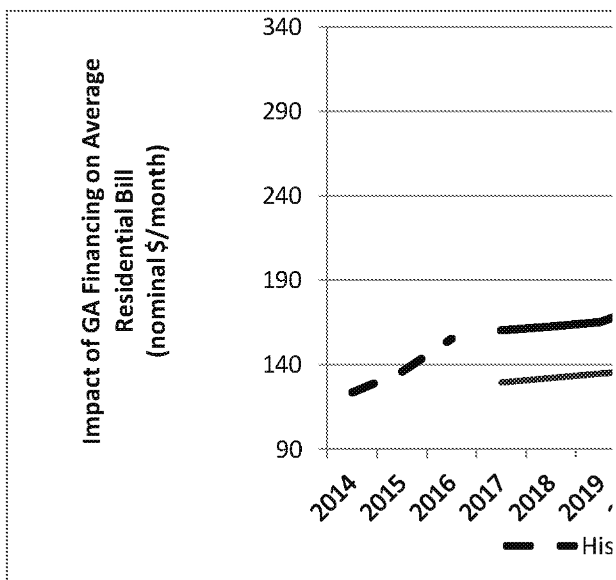




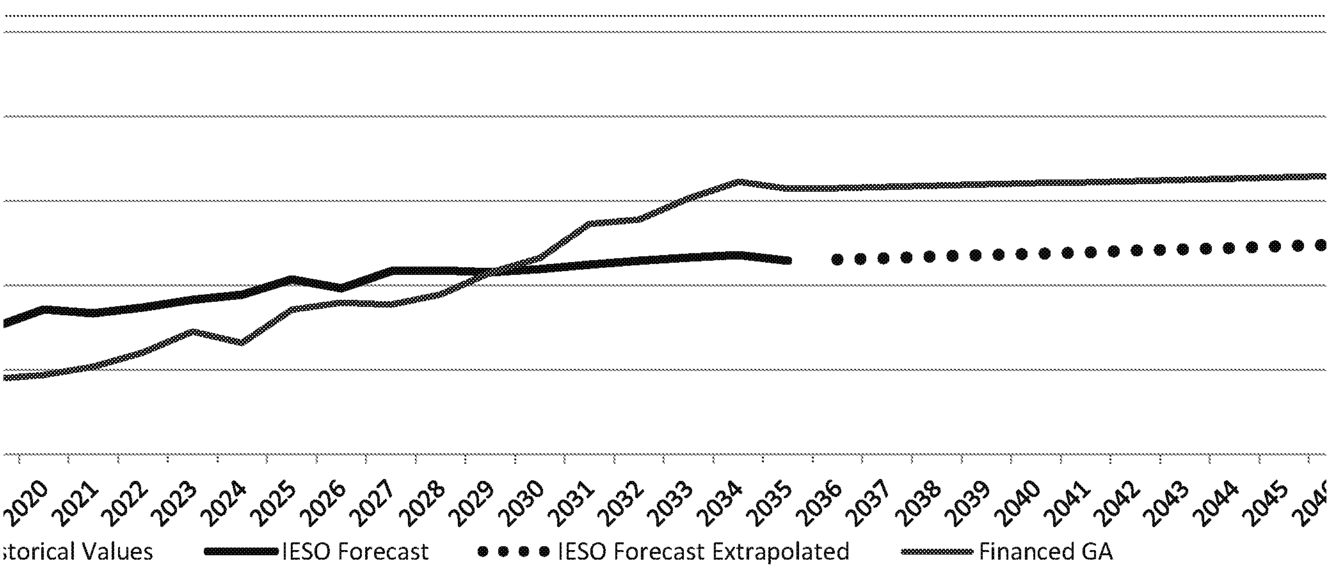
2016	2017	2018	2019	2020	2021	2022
	12095	11835	11552	12168	10844	10634

	9856	9602	9338	9344	8532	8703
	2239	4586	7035	10219	13053	15651

2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**
156						
	160	163	165	176	174	177
	130	132	135	137	142	150
	-$ 31	-$ 30	-$ 30 -$	39	-$ 32	-$ 27

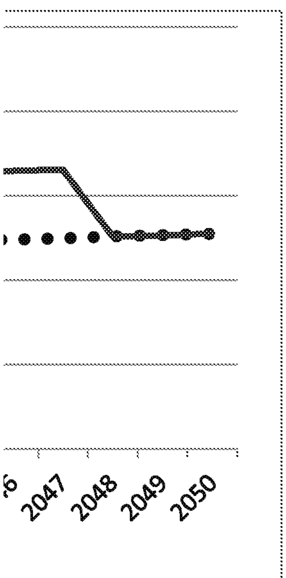
Ctrl-Shift-F to fix GA payments in these years to match these numbers

2019	2020	2021
-26.91	-34.32	-28.09



2023	2024	2025	2026	2027
10243	11128	10527	10033	11043

	2023	2024	2025	2026	2027
	8877	9054	9236	9420	9609
	17819	20804	23160	24958	27669
	182	184	193	188	198
	163	156	176	180	179
-$	19	-$ 28	-$ 18	-$ 8	-$ 20



2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
10819	10009	9721	8654	8820	8238	7756	5662							
								5389	5129	4881	4645	4421	4207	4004

9801	9997	10197	10401	10609	10821	10983	8889	8615	8355	8107	7872	7647	7434	7231
30103	31654	32799	32730	32616	31702	30097	28411	26638	24774	22815	20756	18591	16316	13924

2028	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**
199	198	200	202	205	207	208	205							
								205	206	207	208	209	210	211
185	198	206	226	229	241	251	247	248	248	249	250	250	251	252
-$ 14	-$ 0	$ 6	$ 24	$ 24	$ 35	$ 43	$ 43	$ 42	$ 42	$ 42	$ 42	$ 42	$ 41	$ 41

	###	###	###
Average Monthly Residential Bill Impact pre-tax *($/month)*	-27.0	-26.9	-26.9
Total Accumulated Debt *($ billion)*	2.2	4.6	7.0
Total Change in Accumulated Debt *($ billion)*	2.2	2.3	2.4

2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
3811	3627	3451	3285	3126	2975	2831	2695

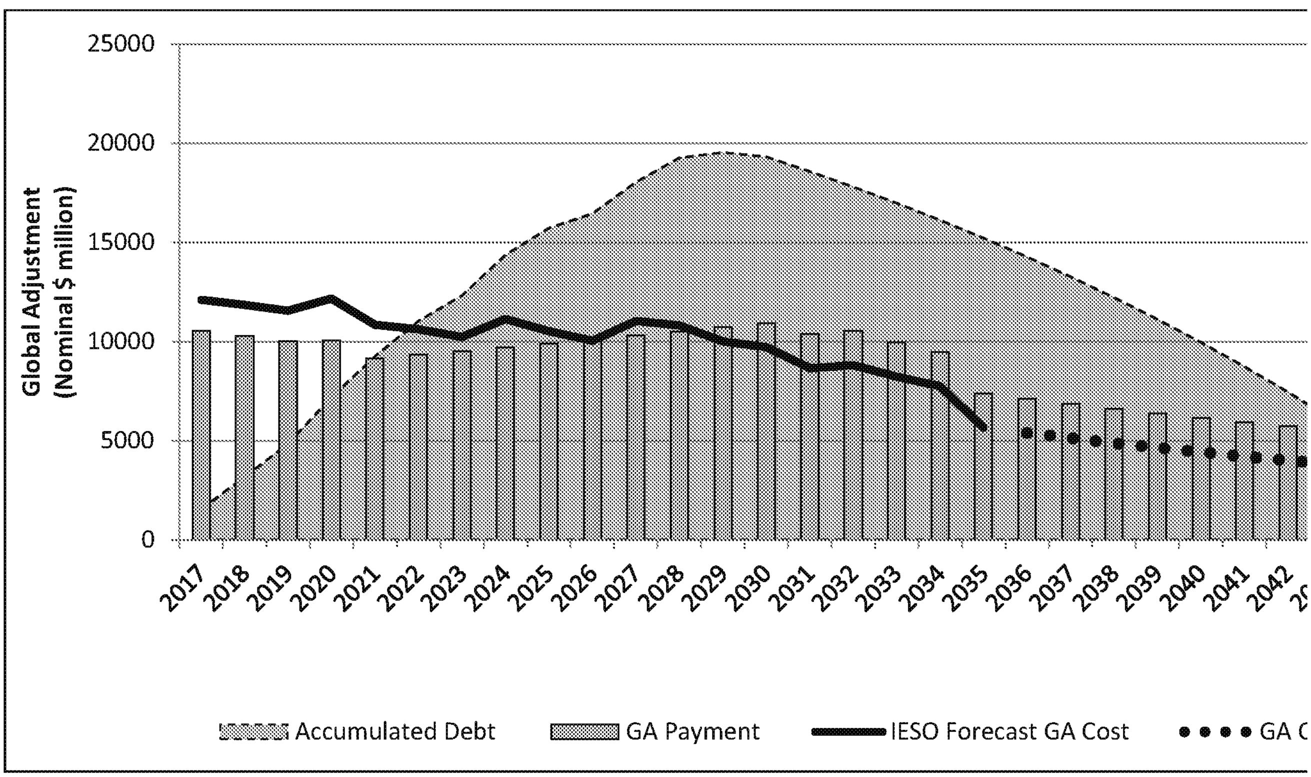
7037	6853	6678	6511	6353	2975	2831	2695
11410	8767	5989	3069	0	0	0	0
2043	**2044**	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
211	212	213	214	215	216	217	218
253	253	254	255	255	216	217	218
$ 41	$ 41	$ 41	$ 41	$ 40	$ -	$ -	$ -

###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###
-34.3	-28.1	-23.5	-16.6	-25.2	-15.7	-7.5	-17.4	-12.4	-0.1	5.7	21.1	21.4	30.7	38.1	37.6	37.5	37.3	37.2
10.2	13.1	15.7	17.8	20.8	23.2	25.0	27.7	30.1	31.7	32.8	32.7	32.6	31.7	30.1	28.4	26.6	24.8	22.8
3.2	2.8	2.6	2.2	3.0	2.4	1.8	2.7	2.4	1.6	1.1	-0.1	-0.1	-0.9	-1.6	-1.7	-1.8	-1.9	-2.0

###	###	###	###	###	###	###	###	###	###
37.0	36.8	36.7	36.5	36.4	36.2	36.1	35.9	35.8	0.0
20.8	18.6	16.3	13.9	11.4	8.8	6.0	3.1	0.0	0.0
-2.1	-2.2	-2.3	-2.4	-2.5	-2.6	-2.8	-2.9	-3.1	0.0

IESO Forecast GA in 2017 ($ million)	12095

	GA Financing	
Target Change in 2017 Residential Bill ($/month)	-27.02	
Proposed GA paid by ratepayer - 2017 ($ million)	9856	Ctrl-Shift-Q
Percent change from forecast	-19%	
Number of years payments at growth rate 1	0	
Rate of increase (real) in GA paid by ratepayers - growth rate 1	0.00	
Rate of increase (real) in GA paid by ratepayers - growth rate 2	0.0000000	Ctrl-Shift-W
Interest rate (nominal)	0.05116	
Maximum increase in GA ($ million)	1728	Ctrl-Shift-E
Year to start additional payments	2020	
Year to pay off debt	2047	
Fraction of debt paid additionally	0%	
Amount of debt in Final Year (should be zero)	0	
Class to which savings accrue	RPP	"All", "Class B" or "RPP"



Global Impacts

nominal $ million	**2014**	**2015**
IESO Forecast GA Cost		
GA Cost Extrapolated		

GA Payment
Accumulated Debt

Residential Bills (assuming 750 kWh/month)
nominal $/month

	2014	**2015**
Historical Values	**124**	**136**
IESO Forecast		
IESO Forecast Extrapolated		
Financed GA		
Difference in Residential Bill		
Increase in residential bill		

Scenario 2

-2239 2017 2018

Prescribed Impact of GA Financing -18.81 -18.57

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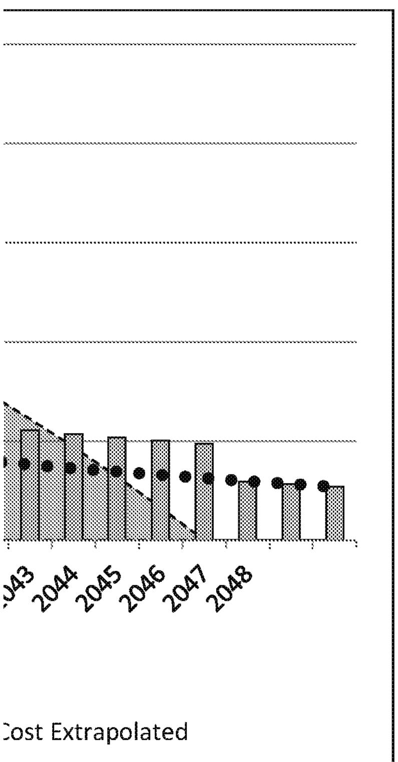
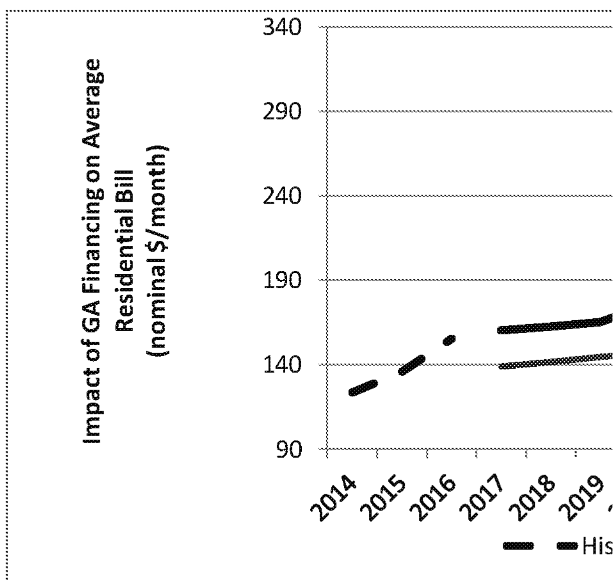




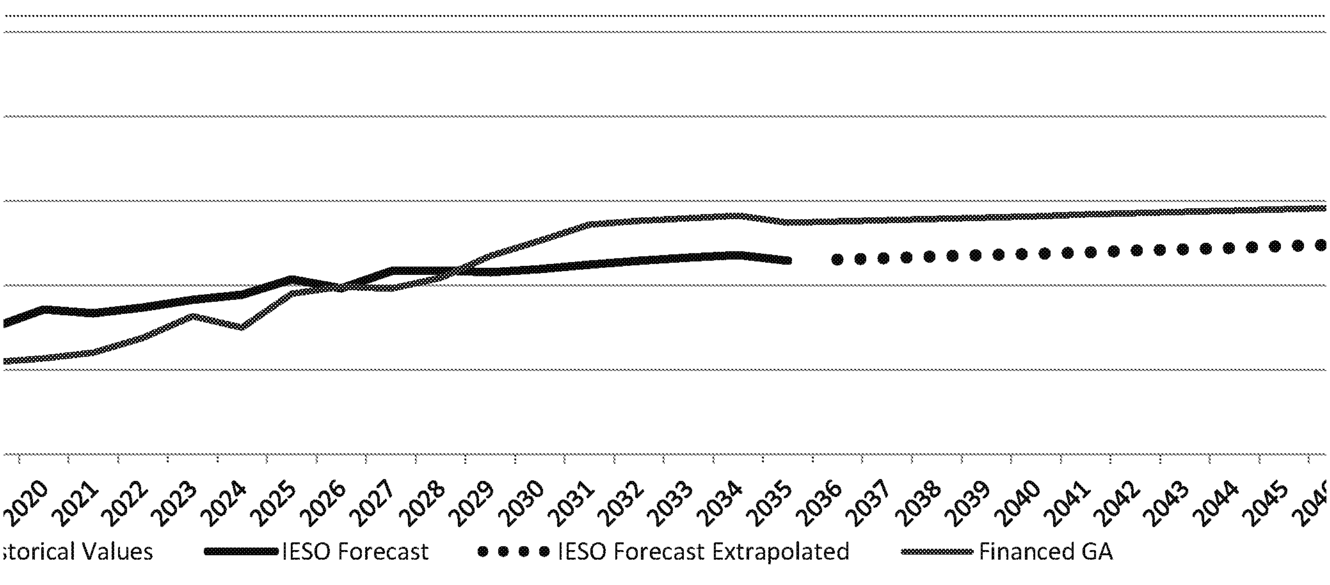
2016	2017	2018	2019	2020	2021	2022
	12095	11835	11552	12168	10844	10634

10537	10296	10041	10061	9153	9336
1559	3177	4851	7207	9266	11038

2016	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**
156						
	160	163	165	176	174	177
	139	142	145	147	150	159
	-$ 21	-$ 21	-$ 21	-$ 29	-$ 23	-$ 18

Ctrl-Shift-F to fix GA payments in these years to match these numbers

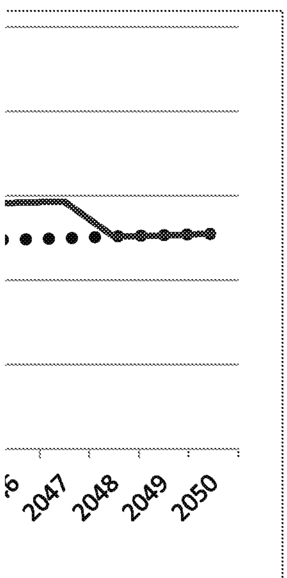
2019	2020	2021
-18.37	-25.61	-20.55



2023	**2024**	**2025**	**2026**	**2027**
10243	11128	10527	10033	11043

	9522	9713	9907	10105	10307
	12324	14370	15725	16458	18035

	2023	2024	2025	2026	2027
	182	184	193	188	198
	172	165	185	189	188
-$	10	-$ 19	-$ 9	$ 1	-$ 10



2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
10819	10009	9721	8654	8820	8238	7756	5662								
								5389	5129	4881	4645	4421	4207	4004	3811

10513	10724	10938	10383	10548	9966	9485	7391	7117	6857	6609	6373	6149	5936	5732	5539
19263	19534	19317	18577	17799	16981	16122	15218	14268	13270	12221	11118	9958	8740	7458	6112

2028	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**	**2041**	**2042**	**2043**
199	198	200	202	205	207	208	205								
								205	206	207	208	209	210	211	211
195	208	216	226	228	230	231	227	228	229	230	230	231	232	233	233
-$ 4	$ 10	$ 17	$ 24	$ 23	$ 23	$ 23	$ 23	$ 23	$ 23	$ 22	$ 22	$ 22	$ 22	$ 22	$ 22

	###	###	###	###
Average Monthly Residential Bill Impact pre-tax *($/month)*	-18.8	-18.6	-18.4	-25.6
Total Accumulated Debt *($ billion)*	1.6	3.2	4.9	7.2
Total Change in Accumulated Debt *($ billion)*	1.6	1.6	1.7	2.4

2044	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
3627	3451	3285	3126	2975	2831	2695

5355	5180	5013	4854	2975	2831	2695
4696	3208	1644	0	0	0	0
2044	**2045**	**2046**	**2047**	**2048**	**2049**	**2050**
212	213	214	215	216	217	218
234	235	236	237	216	217	218
$ 22	$ 22	$ 22	$ 22	$ -	$ -	$ -

###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###
-20.5	-15.8	-8.8	-17.2	-7.5	0.9	-8.9	-3.7	8.7	14.7	20.9	20.7	20.6	20.4	20.2	20.1	20.0	19.9	19.8	19.7
9.3	11.0	12.3	14.4	15.7	16.5	18.0	19.3	19.5	19.3	18.6	17.8	17.0	16.1	15.2	14.3	13.3	12.2	11.1	10.0
2.1	1.8	1.3	2.0	1.4	0.7	1.6	1.2	0.3	-0.2	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.1	-1.2

###	###	###	###	###	###	###	###
19.7	19.6	19.5	19.4	19.3	19.3	19.2	0.0
8.7	7.5	6.1	4.7	3.2	1.6	0.0	0.0
-1.2	-1.3	-1.3	-1.4	-1.5	-1.6	-1.6	0.0

Fractional Discount in GA in 2017	19%
Number of years to increase at growth rate 1	0
Rate of increase (real) in GA ceiling - growth rate 1	0.0%
Rate of increase (real) in GA ceiling - growth rate 2	0.0%
Year to start service debt	2020
Year to pay off debt	2047
Fraction of debt serviced annually	0
Annual interest on debt	0.05116
Maximum increase in GA before add'n payments	1728.236624

	2016	2017	2018
Relative change in GA		-2%	-4%
IESO Class B GA Rate - Revised Base ($2016/MWh)	$ 90.86	$ 88.99	$ 85.37
IESO Class B GA Rate - Revised Base Extrapolated ($2016/MWh)			
IESO Class B GA Rate - Revised Base ($2016/MWh)	$ 90.86	$ 88.99	$ 85.37
Total GA (2016$ million)		$ 11,858	$ 11,375
Total GA (nominal $ million)		12095	11835
Method 1 : Reduce/escalate GA			
Proposed GA Paid by Ratepayer (2016$ million)		10330	9896
Proposed GA Paid by Ratepayer (nominal $ million)		10537	10296
Difference from forecast		1559	1539
Debt service payment			0
Prelim Accumulated Debt		1559	3177
Prelim Total Amount paid by ratepayer		10537	10296
Accumulated Debt		1559	3177
Total Amount paid by ratepayer		10537	10296
Difference in payment		-1559	-1539

2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
-4%	3%	-13%	-4%	-6%	7%	-7%	-6%	7%	-4%	-9%
$ 82.27	$ 84.96	$ 74.23	$ 71.36	$ 67.39	$ 71.78	$ 66.57	$ 62.65	$ 67.12	$ 64.47	$ 58.47
$ 82.27	$ 84.96	$ 74.23	$ 71.36	$ 67.39	$ 71.78	$ 66.57	$ 62.65	$ 67.12	$ 64.47	$ 58.47
$ 10,886	$ 11,242	$ 9,821	$ 9,442	$ 8,918	$ 9,498	$ 8,809	$ 8,231	$ 8,881	$ 8,531	$ 7,737
11552	12168	10844	10634	10243	11128	10527	10033	11043	10819	10009
9461	9295	8290	8290	8290	8290	8290	8290	8290	8290	8290
10041	10061	9153	9336	9522	9713	9907	10105	10307	10513	10724
1512	2107	1691	1298	721	1415	620	-72	736	306	-715
0	0	0	0	0	0	0	0	0	0	0
4851	7207	9266	11038	12324	14370	15725	16458	18035	19263	19534
10041	10061	9153	9336	9522	9713	9907	10105	10307	10513	10724
4851	7207	9266	11038	12324	14370	15725	16458	18035	19263	19534
10041	10061	9153	9336	9522	9713	9907	10105	10307	10513	10724
-1512	-2107	-1691	-1298	-721	-1415	-620	72	-736	-306	715

Growth Rate -0.070826129

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
-5%	-13%	-1%	-9%	-8%	-29%				
$ 55.29	$ 48.26	$ 47.88	$ 43.54	$ 39.92	$ 28.18				
						$ 26.19	$ 24.33	$ 22.61	$ 21.01
$ 55.29	$ 48.26	$ 47.88	$ 43.54	$ 39.92	$ 28.18	$ 26.19	$ 24.33	$ 22.61	$ 21.01
$ 7,368	$ 6,430	$ 6,425	$ 5,883	$ 5,431	$ 3,887	$ 3,627	$ 3,384	$ 3,157	$ 2,946
9721	8654	8820	8238	7756	5662	5389	5129	4881	4645
8290	8290	8290	8290	8290	8290	8290	8290	8290	8290
10938	10383	10548	9966	9485	7391	7117	6857	6609	6373
-1217	-1728	-1728	-1728	-1728	-1728	-1728	-1728	-1728	-1728
0	0	0	0	0	0	0	0	0	0
19317	18577	17799	16981	16122	15218	14268	13270	12221	11118
10938	10383	10548	9966	9485	7391	7117	6857	6609	6373
19317	18577	17799	16981	16122	15218	14268	13270	12221	11118
10938	10383	10548	9966	9485	7391	7117	6857	6609	6373
1217	1728	1728	1728	1728	1728	1728	1728	1728	1728

2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
$ 19.52	$ 18.14	$ 16.85	$ 15.66	$ 14.55	$ 13.52	$ 12.56	$ 11.67	$ 10.85	$ 10.08	$ 9.36
$ 19.52	$ 18.14	$ 16.85	$ 15.66	$ 14.55	$ 13.52	$ 12.56	$ 11.67	$ 10.85	$ 10.08	$ 9.36
$ 2,749	$ 2,564	$ 2,393	$ 2,233	$ 2,083	$ 1,944	$ 1,813	$ 1,692	$ 1,579	$ 1,473	$ 1,374
4421	4207	4004	3811	3627	3451	3285	3126	2975	2831	2695
8290	8290	8290	8290	8290	8290	8290	8290	8290	8290	8290
6149	5936	5732	5539	5355	5180	5013	4854	4703	4560	4423
-1728	-1728	-1728	-1728	-1728	-1728	-1728	-1728	-1728	-1728	-1728
0	0	0	0	0	0	0	0	0	0	0
9958	8740	7458	6112	4696	3208	1644	0	-1728	-3545	-5454
6149	5936	5732	5539	5355	5180	5013	4854	4703	4560	4423
9958	8740	7458	6112	4696	3208	1644	0	0	0	0
6149	5936	5732	5539	5355	5180	5013	4854	2975	2831	2695
1728	1728	1728	1728	1728	1728	1728	1728	0	0	0

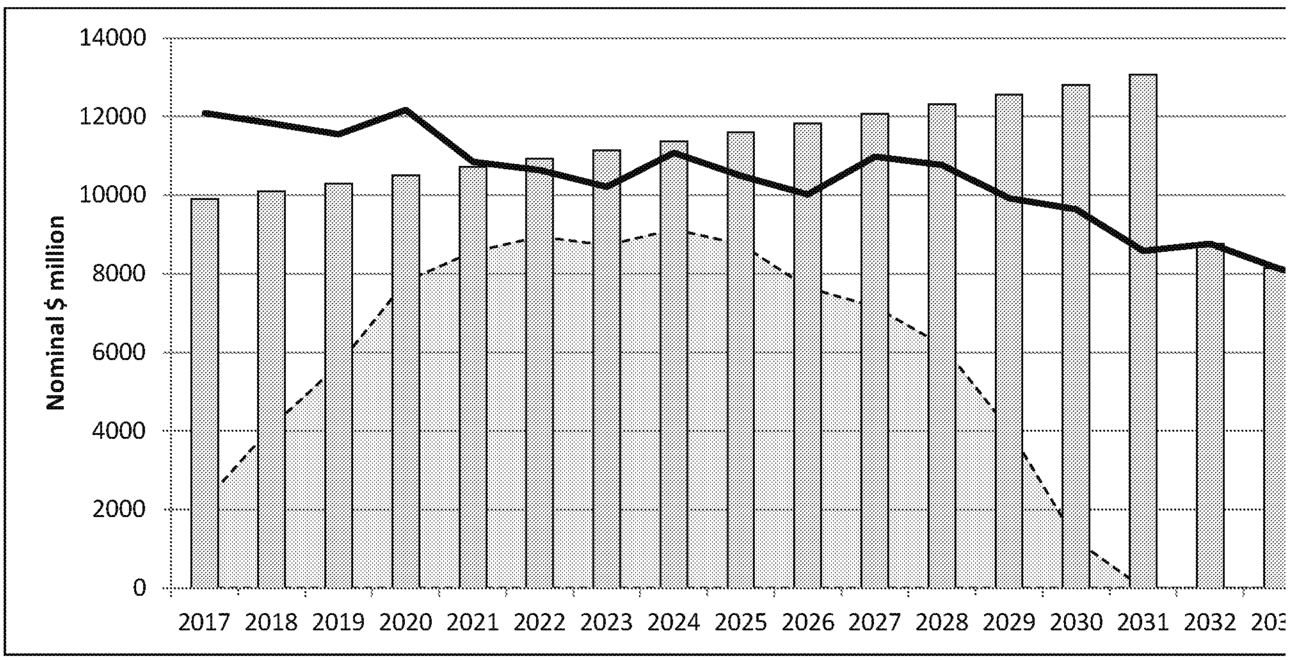
nominal $ million

nominal $/month

DOUBLE CHECK BEHAVIOUR WHEN NEGATIVE DEBT SERVICE PAYMENTS ARE INCLUDED

IESO Forecast GA in 2017 ($ million)	12095

	Scenario 1
Proposed GA paid by ratepayer - 2017 ($ million)	9905
Percent change from forecast	-18%
Rate of increase (real) in GA paid by ratepayers	0
Interest rate (nominal)	0.03
Maximum increase in GA ($ million)	10000
Year to start additional payments	2020
Year to pay off debt	2030
Fraction of debt paid additionally	0%
Amount of debt in Final Year (should be zero)	#REF!
Relative change in HOEP Forecast	0%



Global Impacts

	2017
IESO Forecast GA Cost	12095
Amount Paid by Ratepayer	9900
Total GA Ratepayer Payment - Scenario 2	9900
Accumulated Debt	2195
Accumulated Debt - Scenario 2	2195

Residential Bills (assuming 750 kWh/month)

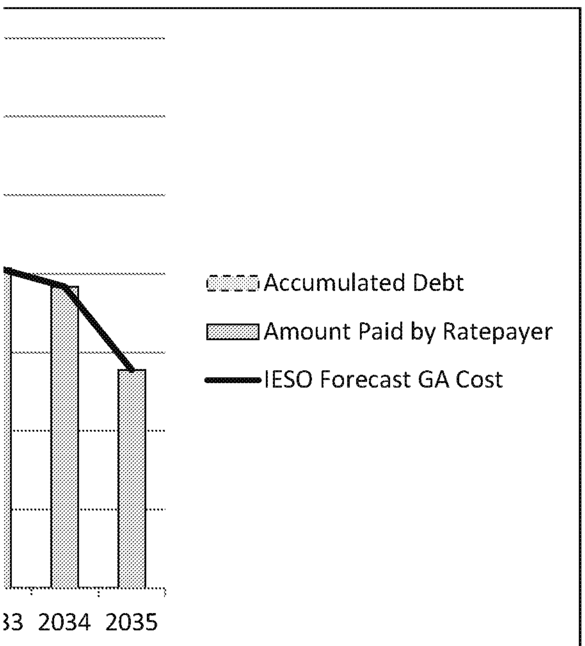
		2017
IESO Forecast (Case 2)	$	160
With impact of refinanced GA - Scenario 1	$	148

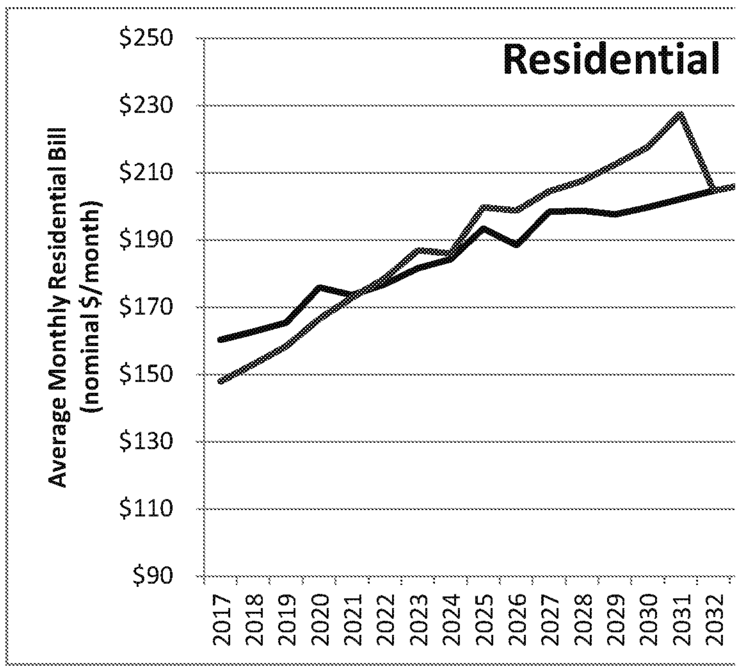
With impact of refinanced GA - Scenario 2	$	148

Scenario 2	
9905	<-----------
-18%	
0.08	
10000	<-----------
2020	
2030	
0%	<-----------
19317	

Change in monthly Bill

	2017	2020	2030
Scenario 1	-$12	-$9	$18
Scneario 2	-$12	-$9	$18

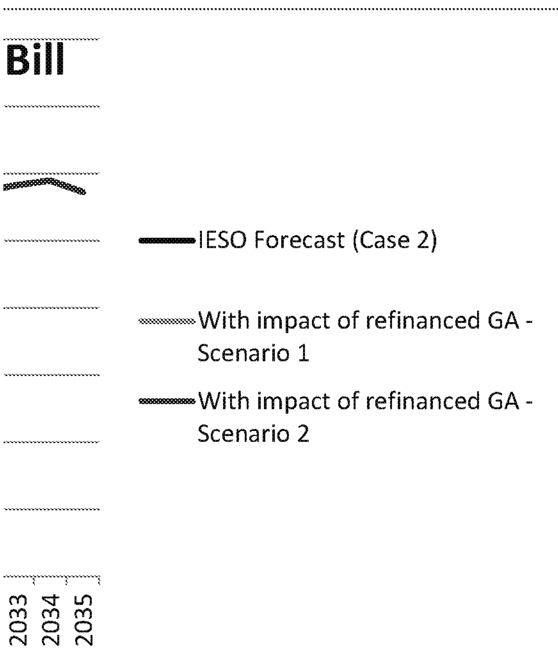




2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
11835	11552	12168	10844	10634	10212	11081	10489	10020	10975
10098	10300	10506	10716	10930	11149	11372	11599	11831	12068
10098	10300	10506	10716	10930	11149	11372	11599	11831	12068
4108	5688	7806	8558	8946	8725	9132	8753	7642	7160
4108	5688	7806	8558	8946	8725	9132	8753	7642	7160

2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
$ 163	$ 165	$ 176	$ 174	$ 177	$ 182	$ 184	$ 193	$ 188	$ 198
$ 153	$ 158	$ 167	$ 173	$ 179	$ 187	$ 186	$ 200	$ 199	$ 204

$ 153	$ 158	$ 167	$ 173	$ 179	$ 187	$ 186	$ 200	$ 199	$ 204



2028	2029	2030	2031	2032	2033	2034	2035
10764	9919	9650	8587	8758	8147	7670	5553
12309	12556	12807	13063	8758	8147	7670	5553
12309	12556	12807	13063	8758	8147	7670	5553
6188	4046	1213	0	0	0	0	0
6188	4046	1213	0	0	0	0	0

2028	2029	2030	2031	2032	2033	2034	2035
$ 199	$ 198	$ 200	$ 202	$ 205	$ 207	$ 208	$ 204
$ 207	$ 212	$ 218	$ 227	$ 205	$ 207	$ 208	$ 204

$ 207	$ 212	$ 218	$ 227	$ 205	$ 207	$ 208	$ 204

		All	Class B	RPP
Share of consumption	0.4346	0.82	0.82	0.43
Share of GA savings	1	0.88	1	1
Average monthly residential consumtion (MW)	0.75			
RPP Fraction of Class B conumption	0.53			

	2017	2018	2019	2020
OPO Demand - Outlook B + Extrapolation	143	143	142	142
		0	-0.006993007	0

	2017	2018	2019	2020
Change in GA Cost - high interest rate	-1559	-1539	-1512	-2107
Change in Average Monthly Residential Bill - pretax(nominal $)	-18.81	-19	-18	-26
Change in Average Monthly Residential Bill - with tax (nominal $)	-21.2553	-20.9841	-20.7581	-28.9393

OPO 2016				
Relative change in Status Quo		1.6%	1.6%	6.4%
Status Quo (Case 2)	$ 160.22	$ 162.77	$ 165.41	$ 175.94
Status Quo Extrapolated				
Debt Financed GA				
Overall Bill Impact - Scenario 2	$ 138.96	$ 141.79	$ 144.66	$ 147.00

2021	2022	2023	2024	2025	2026	2027
142	142	142	142	142	141	142
0	0	0	0	0	-0.007042254	0.007092199

2021	2022	2023	2024	2025	2026	2027
-1691	-1298	-721	-1415	-620	72	-736
-21	-16	-9	-17	-8	1	-9
-23.2215	-17.82473216	-9.902131598	-19.43603687	-8.513487323	0.994922324	-10.10073319

-1.3%	1.9%	2.7%	1.5%	4.9%	-2.6%	5.3%
$ 173.60	$ 176.91	$ 181.75	$ 184.45	$ 193.50	$ 188.45	$ 198.44
$ 150.37	$ 159.09	$ 171.84	$ 165.02	$ 184.99	$ 189.45	$ 188.34

2028	2029	2030	2031	2032	2033
142	142	143	143	144	145
0	0	0.007042254	0	0.006993007	0.006944444

2028	2029	2030	2031	2032	2033
-306	715	1217	1728	1728	1728
-4	9	15	21	21	21
-4.197061513	9.819746098	16.59307762	23.56769731	23.40403274	23.24262562

0.2%	-0.6%	1.1%	1.3%	1.1%	1.0%
$ 198.86	$ 197.72	$ 199.86	$ 202.42	$ 204.75	$ 206.71
$ 194.66	$ 207.54	$ 216.45	$ 225.99	$ 228.15	$ 229.95

Average Growth Rate 0.004162483

2034	2035	2036	2037	2038	2039	2040
146	148	149	149	150	150	151
0.006896552	0.01369863					

Average Increase Rate 1.014

2034	2035	2036	2037	2038	2039	2040
1728	1728	1728	1728	1728	1728	1728
20	20	20	20	20	20	20
23.08342956	22.77149132	22.67709828	22.58309652	22.48948442	22.39626036	22.30342274

Average Growth Rate 0.41%

0.7%	-1.7%					
$ 208.12	$ 204.59					
		$ 205.44	$ 206.29	$ 207.14	$ 207.99	$ 208.85
$ 231.21	$ 227.37	$ 228.12	$ 228.87	$ 229.63	$ 230.39	$ 231.15

2041	2042	2043	2044	2045	2046	2047	2048
152	152	153	154	154	155	156	156

2041	2042	2043	2044	2045	2046	2047	2048
1728	1728	1728	1728	1728	1728	1728	0
20	20	19	19	19	19	19	0
22.21096995	22.1189004	22.0272125	21.93590466	21.84497532	21.7544229	21.66424584	0

$ 209.71	$ 210.58	$ 211.44	$ 212.32	$ 213.19	$ 214.07	$ 214.96	$ 215.84
$ 231.92	$ 232.70	$ 233.47	$ 234.25	$ 235.04	$ 235.83	$ 236.62	$ 215.84

2049	2050
157	158

2049	2050
0	0
0	0
0	0

$ 216.73	$ 217.63
$ 216.73	$ 217.63

750 kWh/month

$/month
Distribution
Transmission
Regulatory
DRC
Commodity
Subtotal
8% Rebate
HST
OCEB
Total

Residential Customer Bill - Assumes 800KWh/Mth

$ Nominal
Distribution
Transmission
Regulated Charges (Wholesale Market Service Charge)
Debt Retirement Charge (DRC)
Electricity
Total Bill before Taxes
HST
Total Residential Bill with Taxes (Before OCEB)
Ontario Clean Energy Benefit Credit (OCEB)
Total Residential Bill with Taxes: After OCEB

Note: Ontario Clearn Energy Benefit (OCEB) is a 10% credit to residential bills, which is in effect from 2011 to 20
Beyond 2015, the OECB program's future would require legislative changes and would need to take into accoun

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
31.43	33.26	34.91	36.45	38.02	39.41	40.35	41.53	42.44	43.71	44.98	46.34
10.15	10.8	11.09	11.56	11.9	12.53	13.21	13.48	13.62	13.89	14.14	14.36
4.83	4.93	5.03	5.13	5.23	5.34	5.44	5.55	5.66	5.78	5.89	6.01
5.25	5.25	5.25	5.25	5.25	5.25						
64.13	72.87	78.87	81.7	82.15	86.65	89.06	91.27	94.53	98.12	92.66	93.14
115.79	127.11	135.15	140.09	142.55	149.18	148.06	151.83	156.25	161.5	157.67	159.85
15.05	16.52	17.57	18.21	18.53	19.39	19.25	19.74	20.31	21.00	20.50	20.78
-13.08	-14.36	-15.27									
117.76	**129.27**	**137.45**	**158.30**	**161.08**	**168.57**	**167.31**	**171.57**	**176.56**	**182.50**	**178.17**	**180.63**
11.579											
15.0527		13.08427									

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
$ 32	$ 34	$ 36	$ 37	$ 39	$ 40	$ 41	$ 43	$ 43	$ 45	$ 46	$ 47
$ 11	$ 12	$ 12	$ 12	$ 13	$ 13	$ 14	$ 14	$ 15	$ 15	$ 15	$ 15
$ 5	$ 5	$ 5	$ 5	$ 6	$ 6	$ 6	$ 6	$ 6	$ 6	$ 6	$ 6
$ 6	$ 6	$ 6	$ 6	$ 6	$ 6	$ -	$ -	$ -	$ -	$ -	$ -
$ 69	$ 78	$ 84	$ 87	$ 88	$ 93	$ 95	$ 98	$ 101	$ 105	$ 99	$ 100
$ 122	$ 134	$ 143	$ 148	$ 151	$ 158	$ 157	$ 161	$ 165	$ 171	$ 167	$ 169
$ 16	$ 17	$ 19	$ 19	$ 20	$ 21	$ 20	$ 21	$ 21	$ 22	$ 22	$ 22
$ 138	$ 152	$ 162	$ 167	$ 170	$ 178	$ 177	$ 181	$ 187	$ 193	$ 188	$ 191
$ 14	$ 15	$ 16	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 125	$ 137	$ 145	$ 167	$ 170	$ 178	$ 177	$ 181	$ 187	$ 193	$ 188	$ 191

15. A 3,000 kWh per month cap was implement on September 2012.
t a number of factors including the province's fiscal position.

2025	2026	2027	2028	2029	2030	2031	2032
47.58	48.83	49.91	51.14	52.14	53.13	54.4	55.74
14.54	14.73	14.86	15.03	15.2	15.37	15.62	15.88
6.13	6.25	6.38	6.51	6.64	6.77	6.91	7.04
94.38	96.36	96.52	96.41	96.76	96.31	96.65	97.06
162.63	166.17	167.67	169.09	170.74	171.58	173.58	175.72
21.14	21.60	21.80	21.98	22.20	22.31	22.57	22.84
183.77	**187.77**	**189.47**	**191.07**	**192.94**	**193.89**	**196.15**	**198.56**

2025	2026	2027	2028	2029	2030	2031	2032
$ 49	$ 50	$ 51	$ 52	$ 53	$ 54	$ 56	$ 57
$ 16	$ 16	$ 16	$ 16	$ 16	$ 16	$ 17	$ 17
$ 7	$ 7	$ 7	$ 7	$ 7	$ 7	$ 7	$ 7
$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 101	$ 103	$ 103	$ 103	$ 104	$ 103	$ 103	$ 104
$ 172	$ 176	$ 177	$ 179	$ 180	$ 181	$ 183	$ 185
$ 22	$ 23	$ 23	$ 23	$ 23	$ 24	$ 24	$ 24
$ 194	$ 198	$ 200	$ 202	$ 204	$ 205	$ 207	$ 210
$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
$ 194	$ 198	$ 200	$ 202	$ 204	$ 205	$ 207	$ 210

		2017	2018
Production	Forecast Nuclear Production (TWh)	38	38
	Forecast Hydro Production (TWh)	29	29
Status Quo Regulated Rates	Smoothed Nuclear Rate (nominal $/MWh)	66	73
	Hydro Rate (nominal $/MWh)	45	45
	Nuclear Cost (nominal $ millions)	2507	2810
	Hydro Cost (nominal $ millions)	1325	1340
Reduced Regulated Rates	Reduction in Smoothed Nuclear Rate (nominal $/MWh)	1	1.8
	Smoothed Nuclear Rate (nominal $/MWh)	65	71
	Hydro Rate (nominal $/MWh)	42	42
	Nuclear Cost (nominal $ millions)	2469.2	2741.1
	Hydro Cost (nominal $ millions)	1236.1	1251.6
Total System Cost	Change in Regulated Nuclear Cost (nominal $ million)	-38.1	-69.2
	Change in Regulated Hydro Cost (nominal $ million)	-88.5	-88.5
	Total change in system cost (nominal $ million)	**-126.6**	**-157.7**
	Total change in system cost (2022$ million)	-139.7766297	-170.6995516
	Residential impact ($/month)	-0.71	-0.89
	Industrial impact ($/MWh)	-0.59	-0.74
	Residential impact (2022$/month)	-0.78389737	-0.963364622
	Industrial impact (2022$/MWh)	-0.651407674	-0.800999798

2019	2020	2021	2022	2023
39	37	35	26	
29	29	29	29	
81	90	100	111	
46	47	48	49	
3165	3362	3535	2884	
1354	1384	1413	1443	
2.6	3.4	4.2	5	
78	87	96	106	
43	44	45	46	
3063	3235.2	3386.5	2754.4	
1265.6	1295.1	1324.6	1354.1	
-101.5	-127	-148.6	-130.1	
-88.5	-88.5	-88.5	-88.5	
-190	**-215.5**	**-237.1**	**-218.5**	-203.4311632
-201.62952	-224.2062	-241.842	-218.5	

-1.08	-1.22	-1.35	-1.24	-1.1033
-0.89	-1.01	-1.12	-1.03	-0.9146
-1.14610464	-1.269288	-1.377	-1.24	
-0.94447512	-1.050804	-1.1424	-1.03	

OPG Efficier
Total change
Residential
Industrial in

	2024	2025	2026

Extrapolation takes the average system cost change and inflates it at 2%

	-207.4997865	-211.6497822	-215.8827779
	-1.125366	-1.14787332	-1.170830786
	-0.932892	-0.95154984	-0.970580837

ncies	Provided by Justin Dec 13 1		
e in system cost (nominal $ mi	-126.6	-157.7	
impact ($/month)	-0.71	-0.89	
npact ($/MWh)	- 0.59	- 0.74	-

2027	2028	2029	2030	2031	2032	2033
-220.2004334	-224.6044421	-229.0965309	-233.6784615	-238.3520308	-243.1190714	-247.9814528
-1.194247402	-1.21813235	-1.242494997	-1.267344897	-1.292691795	-1.318545631	-1.344916544
-0.989992454	-1.009792303	-1.029988149	-1.050587912	-1.07159967	-1.093031663	-1.114892297

12:05pm email (based on Scott's $3/MWh)

-190	-215.5	-237.1	-218.5
-1.08	-1.22	-1.35	-1.24
- 0.89	- 1.01	- 1.12	- 1.03

2034	2035	2036	2037	2038	2039	2040
-252.9410819	-257.9999035	-263.1599016	-268.4230996	-273.7915616	-279.2673928	-284.8527407
-1.371814874	-1.399251172	-1.427236195	-1.455780919	-1.484896538	-1.514594468	-1.544886358
-1.137190142	-1.159933945	-1.183132624	-1.206795277	-1.230931182	-1.255549806	-1.280660802

2041	2042	2043	2044	2045	2046	2047
-290.5497955	-296.3607914	-302.2880073	-308.3337674	-314.5004427	-320.7904516	-327.2062606
-1.575784085	-1.607299767	-1.639445762	-1.672234677	-1.705679371	-1.739792958	-1.774588817
-1.306274018	-1.332399498	-1.359047488	-1.386228438	-1.413953007	-1.442232067	-1.471076708

2048	2049	2050
-333.7503858	-340.4253936	-347.2339014
-1.810080594	-1.846282206	-1.88320785
-1.500498243	-1.530508207	-1.561118372

$/MWh	2016 (actual)	2017	2018	2019	2020	2021
RRRP	1.30	1.33	1.35	1.38	1.41	1.44
OESP	1.10	1.12	1.14	1.17	1.19	1.21

Note: IESO stated that 2% escalation was applied to current rate.

2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
1.46	1.49	1.52	1.55	1.58	1.62	1.65	1.68	1.72	1.75	1.78	1.82	1.86	1.89	1.93	1.97	2.01	2.05	2.09
1.24	1.26	1.29	1.31	1.34	1.37	1.40	1.42	1.45	1.48	1.51	1.54	1.57	1.60	1.63	1.67	1.70	1.73	1.77

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
2.13	2.18	2.22	2.26	2.31	2.35	2.40	2.45	2.50	2.55
1.80	1.84	1.88	1.92	1.95	1.99	2.03	2.07	2.11	2.16

750 kWh/month	2014	2015	2016
Electricity	68.78	75.51	82.61
Distribution	32.67	36.03	37.57
Transmission	10.25	11.92	12.75
Regulatory	4.5	4.68	4.75
DRC	5.25	5.25	0
Tax	15.79	17.34	17.9
OCEB	-13.72	-15.07	0
Total	123.51	135.65	155.58

Note:

Bend the Cost Curve Case Runs - 2016/11/28

Directed Items in OPO
EFW
Filler
LRP II
FIT 5
FIT 5 Extension
FIT 6
MicroFIT 4
MicroFIT 5
MicroFIT 6
LRP I
Additional DR

Highlighted in yellow is the Revised Base Case

Cost Savings Results:
Cost Savings without FIT (FIT 5, FIT 5 Ext, FIT 6)
Cost Savings of FIT 5
Cost Savings of FIT 5 Extension
Cost Savings of FIT 6
Cost Savings of Micro FIT
Cost Savings of LRP I
FIT. Micro FiT, LRP I

Case scenarios are as indicated above
Includes throne speech assumptions for ICI, RRRP, and 8% Rebate for Residential Customers
Includes current Hydro Quebec deal of 2TWh for 2017 to 2022 and Capacity sale to HQ
Residential Monthly Bill is re-based to the 2016 Toronto Hydro Rates and OEB established 2016 TOU rates

Revised Base Case = LRP I in Committed, removal of LRP II, EFW and FILLER	**CASE 1**	**CASE 2**	**CASE 3**
Remove EFW	*Remove EFW*	*Remove EFW*	*Remove EFW*
Remove Filler	*Remove Filler*	*Remove Filler*	*Remove Filler*
Remove LRP II	*Remove LRP II*	*Remove LRP II*	*Remove LRP II*
	Remove FIT 5		
	Remove FIT 5 Extension	Remove FIT 5 Extension	
	Remove FIT 6	Remove FIT 6	Remove FIT 6
LRP I - moved into Committed	*LRP I - moved into Committed*	*LRP I - moved into Committed*	*LRP I - moved into Committed*

Case Comparisons
Revised Base Case vs Case 1
Case 1 vs Case 2
Case 3 vs Case 2
Revised Base vs Case 3
Case 5 vs Case 4
Case 4 vs Revised Base
Case 6 vs Revised Base

CASE 4	CASE 5	CASE 6
Remove EFW	*Remove EFW*	*Remove EFW*
Remove Filler	*Remove Filler*	*Remove Filler*
Remove LRP II	*Remove LRP II*	*Remove LRP II*
		Remove FIT 5
		Remove FIT 5 Extension
		Remove FIT 6
	Remove MicoFIT 4	Remove MicoFIT 4
	Remove MicoFIT 5	Remove MicoFIT 5
	Remove MicoFIT 6	Remove MicoFIT 6
Remove LRP I	Remove LRP I	Remove LRP I

HOEP (2016$/MWh)

	2016	2017	2018	2019	2020	2021	2022	2023	2024
Revised Base	$ 18.14	$ 23.93	$ 25.74	$ 27.17	$ 30.50	$ 34.24	$ 36.08	$ 40.45	$ 34.82
Case 1	$ 18.14	$ 23.93	$ 25.74	$ 27.29	$ 30.51	$ 34.27	$ 36.13	$ 40.73	$ 35.03
Case 2	$ 18.14	$ 23.93	$ 25.74	$ 27.17	$ 30.50	$ 34.24	$ 36.08	$ 40.56	$ 34.95
Case 3	$ 18.14	$ 23.93	$ 25.74	$ 27.17	$ 30.50	$ 34.24	$ 36.08	$ 40.54	$ 34.93
Case 4	$ 18.14	$ 23.93	$ 25.74	$ 27.36	$ 30.94	$ 34.80	$ 36.57	$ 41.05	$ 35.27
Case 5	$ 18.14	$ 23.93	$ 25.75	$ 27.47	$ 31.04	$ 34.82	$ 36.66	$ 41.06	$ 35.34
Case 6	$ 18.14	$ 23.93	$ 25.75	$ 27.51	$ 31.13	$ 34.87	$ 36.78	$ 41.29	$ 35.44

Class A GA (2016$/MWh)

	2016	2017	2018	2019	2020	2021	2022	2023	2024
Revised Base	$ 40.72	$ 39.88	$ 38.26	$ 36.87	$ 38.08	$ 33.27	$ 31.98	$ 30.20	$ 32.17
Case 1	$ 40.72	$ 39.88	$ 38.22	$ 36.74	$ 38.02	$ 33.21	$ 31.92	$ 30.02	$ 31.95
Case 2	$ 40.72	$ 39.88	$ 38.26	$ 36.87	$ 38.08	$ 33.27	$ 31.98	$ 30.11	$ 32.04
Case 3	$ 40.72	$ 39.88	$ 38.26	$ 36.87	$ 38.08	$ 33.27	$ 31.98	$ 30.15	$ 32.09
Case 4	$ 40.72	$ 39.88	$ 38.26	$ 36.70	$ 37.58	$ 32.75	$ 31.54	$ 29.80	$ 31.73
Case 5	$ 40.72	$ 39.88	$ 38.21	$ 36.55	$ 37.42	$ 32.63	$ 31.38	$ 29.69	$ 31.58
Case 6	$ 40.72	$ 39.88	$ 38.21	$ 36.42	$ 37.23	$ 32.47	$ 31.19	$ 29.43	$ 31.29

Class B GA (2016$/MWh)

	2016	2017	2018	2019	2020	2021	2022	2023	2024
Revised Base	$ 90.86	$ 88.99	$ 85.37	$ 82.27	$ 84.96	$ 74.23	$ 71.36	$ 67.39	$ 71.78
Case 1	$ 90.86	$ 88.99	$ 85.27	$ 81.97	$ 84.84	$ 74.09	$ 71.21	$ 66.98	$ 71.30
Case 2	$ 90.86	$ 88.99	$ 85.37	$ 82.27	$ 84.96	$ 74.23	$ 71.36	$ 67.19	$ 71.48
Case 3	$ 90.86	$ 88.99	$ 85.37	$ 82.27	$ 84.96	$ 74.23	$ 71.36	$ 67.26	$ 71.60
Case 4	$ 90.86	$ 88.99	$ 85.37	$ 81.89	$ 83.86	$ 73.08	$ 70.36	$ 66.49	$ 70.81
Case 5	$ 90.86	$ 88.99	$ 85.26	$ 81.55	$ 83.48	$ 72.81	$ 70.02	$ 66.25	$ 70.46
Case 6	$ 90.86	$ 88.99	$ 85.26	$ 81.27	$ 83.08	$ 72.46	$ 69.60	$ 65.66	$ 69.81

2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
$ 44.05	$ 39.06	$ 39.89	$ 39.22	$ 40.29	$ 41.66	$ 47.07	$ 46.06	$ 48.01	$ 49.79	$ 55.81
$ 44.26	$ 39.15	$ 40.04	$ 39.47	$ 40.65	$ 41.98	$ 47.37	$ 46.39	$ 48.33	$ 50.32	$ 56.34
$ 44.20	$ 39.03	$ 40.16	$ 39.42	$ 40.62	$ 41.96	$ 47.28	$ 46.24	$ 48.34	$ 50.07	$ 56.20
$ 44.13	$ 39.11	$ 40.12	$ 39.26	$ 40.40	$ 41.85	$ 47.22	$ 46.14	$ 48.13	$ 49.97	$ 56.06
$ 44.63	$ 39.49	$ 40.50	$ 39.77	$ 41.12	$ 42.39	$ 47.72	$ 46.62	$ 48.80	$ 50.40	$ 56.77
$ 44.74	$ 39.61	$ 40.48	$ 39.93	$ 41.17	$ 42.53	$ 47.84	$ 46.71	$ 48.87	$ 50.69	$ 57.01
$ 44.89	$ 39.81	$ 40.63	$ 40.17	$ 41.60	$ 42.88	$ 48.23	$ 46.93	$ 49.16	$ 50.68	$ 57.30

2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
$ 29.84	$ 28.08	$ 30.08	$ 28.89	$ 26.21	$ 24.78	$ 21.63	$ 21.46	$ 19.52	$ 17.89	$ 12.63
$ 29.69	$ 27.98	$ 29.96	$ 28.72	$ 25.93	$ 24.58	$ 21.40	$ 21.21	$ 19.29	$ 17.55	$ 12.30
$ 29.73	$ 28.04	$ 29.90	$ 28.75	$ 25.97	$ 24.60	$ 21.46	$ 21.31	$ 19.30	$ 17.69	$ 12.39
$ 29.78	$ 28.02	$ 29.94	$ 28.85	$ 26.11	$ 24.67	$ 21.52	$ 21.39	$ 19.42	$ 17.77	$ 12.47
$ 29.39	$ 27.54	$ 29.31	$ 28.06	$ 24.86	$ 23.38	$ 19.82	$ 19.31	$ 16.93	$ 14.55	$ 8.31
$ 29.24	$ 27.39	$ 29.23	$ 27.90	$ 24.73	$ 23.23	$ 19.67	$ 19.17	$ 16.81	$ 14.31	$ 8.12
$ 29.02	$ 27.14	$ 29.01	$ 27.67	$ 24.33	$ 22.93	$ 19.43	$ 18.91	$ 16.52	$ 14.17	$ 7.85

2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
$ 66.57	$ 62.65	$ 67.12	$ 64.47	$ 58.47	$ 55.29	$ 48.26	$ 47.88	$ 43.54	$ 39.92	$ 28.18
$ 66.25	$ 62.43	$ 66.84	$ 64.08	$ 57.85	$ 54.85	$ 47.74	$ 47.34	$ 43.04	$ 39.15	$ 27.44
$ 66.33	$ 62.57	$ 66.71	$ 64.14	$ 57.95	$ 54.89	$ 47.88	$ 47.54	$ 43.06	$ 39.47	$ 27.64
$ 66.45	$ 62.52	$ 66.81	$ 64.38	$ 58.26	$ 55.05	$ 48.01	$ 47.72	$ 43.34	$ 39.64	$ 27.83
$ 65.57	$ 61.45	$ 65.40	$ 62.61	$ 55.47	$ 52.17	$ 44.21	$ 43.07	$ 37.77	$ 32.46	$ 18.55
$ 65.24	$ 61.11	$ 65.22	$ 62.24	$ 55.18	$ 51.83	$ 43.88	$ 42.78	$ 37.51	$ 31.93	$ 18.11
$ 64.76	$ 60.57	$ 64.72	$ 61.73	$ 54.29	$ 51.17	$ 43.34	$ 42.19	$ 36.85	$ 31.61	$ 17.51

Typical Residential Monthly Bill, assume 750KWh/Mth
(2016 Actual used as the Base)
($Nominal/Mth)

	2017	2018	2019	2020	2021
Revised Base	$ 160.22	$ 162.77	$ 165.41	$ 175.94	$ 173.60
Case 1	$ 160.22	$ 162.68	$ 165.22	$ 175.84	$ 173.51
Case 2	$ 160.22	$ 162.77	$ 165.41	$ 175.94	$ 173.60
Case 3	$ 160.22	$ 162.77	$ 165.41	$ 175.94	$ 173.60
Case 4	$ 160.22	$ 162.77	$ 165.22	$ 175.22	$ 173.05
Case 5	$ 160.22	$ 162.67	$ 164.99	$ 174.97	$ 172.81
Case 6	$ 160.22	$ 162.67	$ 164.75	$ 174.67	$ 172.53
Difference Case					
Case 6 vs Revised Base	$ -	-$ 0.09	-$ 0.66	-$ 1.27	-$ 1.07
Case 1 vs Revised Base	$ -	-$ 0.08	-$ 0.19	-$ 0.10	-$ 0.09
Case 2vs Revised Base	$ -	$ -	$ -	-$ 0.00	-$ 0.00
CASE 1 vs Case 2	$ -	-$ 0.08	-$ 0.19	-$ 0.10	-$ 0.09
Case 4 vs Revised Base	$ -	$ -	-$ 0.20	-$ 0.72	-$ 0.55
Case 3 vs. Revised Base	$ -	$ -	$ -	$ -	$ -
Case 2 vs. Case 3	$ -	$ -	$ -	-$ 0.00	-$ 0.00
Case 5 vs. Revised Base	$ -	-$ 0.09	-$ 0.42	-$ 0.97	-$ 0.79
Case 5 vs Case 4	$ -	-$ 0.09	-$ 0.22	-$ 0.26	-$ 0.24

	2016 Act	2017	2018	2019	2020
Distribution	**$ 36.42**	$ 38.02	$ 39.63	$ 41.22	$ 42.80
Transmission	**$ 12.58**	$ 12.88	$ 13.17	$ 13.55	$ 14.42
Regulated Charges (Wholesale Uplift and DRC)	**$ 4.86**	$ 5.72	$ 5.89	$ 5.99	$ 6.21
DRC					
Commodity	**$ 90.82**	$ 95.97	$ 96.32	$ 96.77	$ 104.13
Total Bill before Taxes	**$ 144.68**	$ 152.59	$ 155.02	$ 157.54	$ 167.56
HST	**$ 18.81**	**$ 19.84**	**$ 20.15**	**$ 20.48**	**$ 21.78**
8% Rebate on Bill before Taxes		$ (12.21)	$ (12.40)	$ (12.60)	$ (13.40)
Total Bill After Rebate	**$ 163.49**	$ 160.22	$ 162.77	$ 165.41	$ 175.94

2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
$ 176.91	$ 181.75	$ 184.45	$ 193.50	$ 188.45	$ 198.44	$ 198.86	$ 197.72	$ 199.86	$ 202.42
$ 176.83	$ 181.59	$ 184.18	$ 193.39	$ 188.34	$ 198.32	$ 198.72	$ 197.44	$ 199.73	$ 202.18
$ 176.91	$ 181.62	$ 184.27	$ 193.40	$ 188.35	$ 198.30	$ 198.73	$ 197.51	$ 199.74	$ 202.24
$ 176.91	$ 181.69	$ 184.38	$ 193.45	$ 188.39	$ 198.37	$ 198.81	$ 197.60	$ 199.81	$ 202.31
$ 176.46	$ 181.45	$ 183.93	$ 193.07	$ 187.66	$ 197.25	$ 197.42	$ 195.27	$ 197.11	$ 198.45
$ 176.21	$ 181.23	$ 183.65	$ 192.84	$ 187.43	$ 197.04	$ 197.19	$ 195.02	$ 196.90	$ 198.20
$ 175.92	$ 180.84	$ 183.10	$ 192.50	$ 187.08	$ 196.66	$ 196.90	$ 194.50	$ 196.54	$ 198.04

-$ 0.99	-$ 0.91	-$ 1.36	-$ 1.00	-$ 1.38	-$ 1.78	-$ 1.95	-$ 3.22	-$ 3.31	-$ 4.39
-$ 0.09	-$ 0.16	-$ 0.27	-$ 0.11	-$ 0.11	-$ 0.12	-$ 0.14	-$ 0.28	-$ 0.13	-$ 0.24
-$ 0.00	-$ 0.12	-$ 0.18	-$ 0.10	-$ 0.11	-$ 0.14	-$ 0.13	-$ 0.21	-$ 0.11	-$ 0.19
-$ 0.08	-$ 0.04	-$ 0.09	-$ 0.01	-$ 0.00	$ 0.02	-$ 0.01	-$ 0.07	-$ 0.01	-$ 0.05
-$ 0.46	-$ 0.30	-$ 0.52	-$ 0.43	-$ 0.80	-$ 1.20	-$ 1.44	-$ 2.44	-$ 2.74	-$ 3.98
$ -	-$ 0.05	-$ 0.08	-$ 0.05	-$ 0.06	-$ 0.08	-$ 0.05	-$ 0.11	-$ 0.05	-$ 0.11
-$ 0.00	-$ 0.07	-$ 0.10	-$ 0.05	-$ 0.04	-$ 0.07	-$ 0.08	-$ 0.10	-$ 0.07	-$ 0.08
-$ 0.71	-$ 0.52	-$ 0.81	-$ 0.66	-$ 1.02	-$ 1.41	-$ 1.66	-$ 2.70	-$ 2.96	-$ 4.23
-$ 0.25	-$ 0.22	-$ 0.28	-$ 0.23	-$ 0.22	-$ 0.21	-$ 0.23	-$ 0.26	-$ 0.22	-$ 0.25

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
$ 44.38	$ 45.66	$ 47.21	$ 48.61	$ 50.16	$ 51.72	$ 53.12	$ 54.38	$ 55.89	$ 57.32
$ 14.67	$ 15.32	$ 15.59	$ 15.85	$ 16.22	$ 16.61	$ 16.97	$ 17.27	$ 17.62	$ 17.95
$ 6.50	$ 6.70	$ 7.07	$ 7.13	$ 7.75	$ 7.85	$ 8.04	$ 8.16	$ 8.34	$ 8.48
$ 99.78	$ 100.81	$ 103.22	$ 104.07	$ 110.16	$ 103.30	$ 110.87	$ 109.57	$ 106.45	$ 106.59
$ 165.33	$ 168.49	$ 173.09	$ 175.67	$ 184.28	$ 179.48	$ 188.99	$ 189.39	$ 188.30	$ 190.34
$ 21.49	**$ 21.90**	**$ 22.50**	**$ 22.84**	**$ 23.96**	**$ 23.33**	**$ 24.57**	**$ 24.62**	**$ 24.48**	**$ 24.74**
$ (13.23)	$ (13.48)	$ (13.85)	$ (14.05)	$ (14.74)	$ (14.36)	$ (15.12)	$ (15.15)	$ (15.06)	$ (15.23)
$ 173.60	$ 176.91	$ 181.75	$ 184.45	$ 193.50	$ 188.45	$ 198.44	$ 198.86	$ 197.72	$ 199.86

2032	2033	2034	2035
$ 204.75	$ 206.71	$ 208.12	$ 204.59
$ 204.51	$ 206.50	$ 207.84	$ 204.36
$ 204.57	$ 206.53	$ 207.93	$ 204.41
$ 204.65	$ 206.62	$ 208.01	$ 204.48
$ 199.68	$ 200.63	$ 199.59	$ 193.56
$ 199.43	$ 200.39	$ 199.29	$ 193.31
$ 199.00	$ 199.96	$ 198.89	$ 192.92

				Remove
-$ 5.75	-$ 6.75	-$ 9.23	-$ 11.67	Every thing
-$ 0.24	-$ 0.20	-$ 0.28	-$ 0.24	FIT 5, FIT 5 Ext, FIT 6
-$ 0.18	-$ 0.18	-$ 0.19	-$ 0.18	FIT 5 ext and FIT 6
-$ 0.06	-$ 0.03	-$ 0.09	-$ 0.05	FIT 5
-$ 5.07	-$ 6.08	-$ 8.54	-$ 11.03	LRP I
-$ 0.10	-$ 0.09	-$ 0.11	-$ 0.12	FIT 6
-$ 0.09	-$ 0.09	-$ 0.08	-$ 0.07	FIT 5 extension
-$ 5.32	-$ 6.32	-$ 8.83	-$ 11.28	LRP 1 and MicroFIT
-$ 0.24	-$ 0.24	-$ 0.30	-$ 0.25	MicroFIT

2031	2032	2033	2034	2035
$ 58.81	$ 60.14	$ 61.36	$ 62.40	$ 63.35
$ 18.29	$ 18.60	$ 19.71	$ 19.96	$ 20.19
$ 8.78	$ 8.80	$ 8.98	$ 9.10	$ 9.36
$ 106.90	$ 107.46	$ 106.82	$ 106.76	$ 101.95
$ 192.78	$ 195.00	$ 196.86	$ 198.21	$ 194.85
$ 25.06	**$ 25.35**	**$ 25.59**	**$ 25.77**	**$ 25.33**
$ (15.42)	$ (15.60)	$ (15.75)	$ (15.86)	$ (15.59)
$ 202.42	$ 204.75	$ 206.71	$ 208.12	$ 204.59

The relative change in total GA cost due to the indicated change in HOEP

	Change in HOEP				
	0.8	0.9	1	1.1	1.2
2014	1.13382618	1.066952989	1	0.933121576	0.86617458
2015	1.07419016	1.037111289	1	0.962931133	0.925874686
2016	1.12718587	1.063549332	1	0.936407881	0.872765719
2017	1.09908983	1.049518075	1	0.950456263	0.900917817
2018	1.11094458	1.055509404	1	0.944522075	0.889085919
2019	1.12891721	1.064417838	1	0.935562652	0.871157284
2020	1.165103	1.082556563	1	0.917419743	0.834784116
2021	1.17922928	1.089694681	1	0.910356718	0.820662473
2022	1.17140806	1.08571557	1	0.914309631	0.82863809
2023	1.23498799	1.11752344	1	0.882546725	0.765129806
2017-2022 Average	**114%**	**107%**	**100%**	**93%**	**86%**

Change in HOEP	-20%	-10%	0%	10%	20%
Change in GA	14%	7%	0%	-7%	-14%
Change in GA/Change in HOEP	-71%	-71%		-71%	-71%
Average Change in GA/Change in HOEP			**-100%**		

Relevant years

<--- Outlier