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March 4, 2019

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
PO Box 2319
2300 Yonge Street, 27th floor
Toronto, ON M4P 1E4

Dear Ms. Walli:

**Re: Toronto Hydro-Electric System Limited ("Toronto Hydro")
Custom Incentive Rate-setting ("Custom IR") Application for 2020-2024 Electricity Distribution
Rates and Charges – Undertaking Responses
OEB File No. EB-2018-0165**

Please find enclosed an electronic version of Toronto Hydro's responses to the following undertakings from Days 2 and 4 of the Technical Conference:

- OEB Staff undertakings JTC4.14, JTC4.15, JTC4.16, JTC4.17, JTC4.32, and JTC4.33; and
- Distributed Resource Coalition undertakings JTC2.30, JTC4.23, and JTC4.24.

Seven physical copies of the Undertaking Responses will follow via courier.

As agreed to by parties at the Technical Conference, Toronto Hydro's remaining responses will be provided by the end of March.

Please contact me directly if you have any questions or concerns.

Respectfully,

A handwritten signature in blue ink that reads "Andrew J. Sasso".

Andrew J. Sasso
Director, Regulatory Affairs
Toronto Hydro-Electric System Limited

cc: Lawrie Gluck, OEB Case Manager
Michael Miller, OEB Counsel
Parties of Record
Amanda Klein, Toronto Hydro
Charles Keizer, Torys LLP
Daliana Coban, Toronto Hydro

**TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO
DISTRIBUTED RESOURCE COALITION**

UNDERTAKING NO. JTC2.30:

**Reference(s): 2B-DRC-8(a)
Exhibit 2B, Section E5.1 and E5.5**

To advise whether the energy storage forecast figures that go into that 581-megawatt of incremental DG by 2024 capture energy storage facilitated by EVs.

RESPONSE:

Toronto Hydro confirms that it did not include a projection of energy storage facilitated by EVs (commonly known as “vehicle-to-grid”) in its forecast of incremental distributed generation.

**TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO
OEB STAFF**

UNDERTAKING NO. JTC4.14:

Reference(s): 1B-Staff-30

- a) To confirm Mr. Hovde's understanding about the accounting;
- b) To provide whatever was given to Mr. Fenrick;
- c) To provide the breakdown of the pension and benefit expenses by year, if possible, and then give a value from 2004 to through the forecast period.

RESPONSE:

- a) Toronto Hydro records the aggregate labour costs (including pension and benefits) in the salaries and expenses accounts, as described in the OEB's Accounting Procedures Handbook (APH).¹ To avoid double counting the labour burden costs, Toronto Hydro does not record the same amounts in the *5645-OMERS Pensions and Benefits* and *5646-Employee Pensions and OPEB* accounts.
- b) The pension and benefits information provided to and used by Power System Engineering ("PSE") in its benchmarking assessment was the same information (and at

¹ For example, the APH guidance to record amounts in *account 5610-Management Salaries and Expenses* states: This account shall include the utility management salaries of middle managers (i.e. Human Resource managers), etc. with payroll burden and expenses.

- 1 the same level of detail) as that included in Toronto Hydro's RRR submission – that is,
2 the information was at the USofA account level as described in response to part (a).
3
4 c) Please see Appendix A for the utility's estimated actual annual pension and benefits
5 costs for the 2004-2017 period and estimated forecast annual pension and benefits
6 costs for the 2018-2024 period.

JTC4.14 - Appendix A

Estimated Pension and Benefits	2004A	2005A	2006A	2007A	2008A	2009A	2010A	2011A	2012A	2013A	2014A	2015A	2016A	2017A	2018F	2019F	2020F	2021F	2022F	2023F	2024F
Total Pension and Benefits in OM&A	16.0	13.6	16.1	23.2	23.4	24.0	26.4	33.7	35.8	34.7	33.6	29.9	30.4	29.6	31.9	34.0	37.1	38.8	40.1	41.4	42.7
Total Pension and Benefits Costs in Capital	13.3	11.8	16.4	18.0	19.8	21.3	22.9	21.1	19.9	21.0	22.0	23.0	21.6	23.7	23.8	25.5	27.7	29.0	29.9	31.0	31.9
Total Pension and Benefits	29.3	25.5	32.5	41.2	43.2	45.3	49.4	54.8	55.7	55.7	55.6	52.8	52.1	53.3	55.7	59.5	64.8	67.7	70.0	72.4	74.6

TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO **OEB STAFF**

UNDERTAKING NO. JTC4.15:

Reference(s): 1B-Staff-30

- a) To provide another time series of data from 2004 through the forecast period, if possible, showing the total MVA of capacity of substations;
- b) To advise which portion of that is the medium voltage equipment that you own as part of a Hydro One network substation;
- c) To advise up to what voltage level does Toronto Hydro own substation equipment in Hydro One substations, with an explanation of how that works

RESPONSE:

- a) Please see Table 1 below for the total MVA of capacity of substations for 2004-2024.

Table 1: Total Annual Substation Capacity (2004-2024)

Year	Total Capacity (MVA)	Actual or Forecast
2004	7406	Actual
2005	7482	Actual
2006	7482	Actual
2007	7370	Actual
2008	7389	Actual
2009	7368	Actual
2010	7260	Actual

Year	Total Capacity (MVA)	Actual or Forecast
2011	7380	Actual
2012	7496	Actual
2013	7550	Actual
2014	7550	Actual
2015	7555	Actual
2016	7583	Actual
2017	7583	Actual
2018	7646	Forecast
2019	7907	Forecast
2020	7937	Forecast
2021	8070	Forecast
2022	8104	Forecast
2023	8070	Forecast
2024	8268	Forecast

1

2 b) Please note that it is not possible to indicate what proportion of the substation
3 capacity is Toronto Hydro-owned equipment as the capacity is only achieved through
4 the integration of Toronto Hydro and Hydro One equipment (i.e. a Hydro One
5 transformer and Toronto Hydro switchgear).

6

7 Additionally, even if such a breakdown were possible, a breakdown by equipment
8 ownership is not informative for linking capital costs to increases in substation
9 capacity. This is because there are cases in which Toronto Hydro will pay Hydro One a
10 capital contribution for the purpose of increasing substation capacity for Toronto
11 Hydro, while Hydro One will retain ownership of the equipment.

12

13 It is also not possible to allocate capacity based on the percentage of total station
14 costs as Toronto Hydro lacks information on Hydro One station spending required to

1 calculate total costs for jointly owned stations.

2

3 c) In the Horseshoe region of Toronto Hydro's service territory (former Etobicoke, North
4 York, and Scarborough), Toronto Hydro owns equipment up to 27.6 kV in Hydro One
5 substations. In the Downtown region (former City of Toronto), Toronto Hydro owns
6 equipment up to 13.8 kV in Hydro One substations.

7

8 Demarcation between Hydro One and Toronto Hydro equipment varies across each of
9 the pre-amalgamation utility service territories as shown in Table 2 below.

10

11 **Table 2. Demarcation between Hydro One and Toronto Hydro Stations Equipment**

Former Utility	Typical Demarcation Description
Toronto	Hydro One owns all 115 kV equipment, 115 kV/13.8 kV transformers, and 13.8 kV circuit breakers immediately downstream of their transformers. Toronto Hydro owns 13.8 kV switchgear and all downstream equipment.
Etobicoke & Scarborough	Hydro One owns all 230 kV and 27.6 kV station equipment. Toronto Hydro owns all 27.6 kV cables which connect to Hydro One's circuit breakers.
North York	Hydro One owns all 230 kV equipment, 230 kV/27.6 kV transformers, 27.6 kV circuit breakers immediately downstream of their transformers, and 27.6 kV buses. Both Hydro One and Toronto Hydro own 27.6 kV circuit breakers supplied by the Hydro One 27.6 kV buses. Toronto Hydro owns all 27.6 kV cables which connect to the 27.6 kV circuit breakers.

1 **TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO**
2 **OEB STAFF**

3
4 **UNDERTAKING NO. JTC4.16:**

5 **Reference(s): 1B-Staff-24**

6
7 To provide whatever ROE data, deemed and actual, is available prior to 2004.

8
9
10 **RESPONSE:**

11 Toronto Hydro does not have the requested information prior to 2004.

**TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO
OEB STAFF**

UNDERTAKING NO. JTC4.17:

Reference(s): 1B-Staff-28

To provide a better description of the circuit mile data; to confirm whether the numbers in the UDI directory are reasonable, and if not, to provide better information.

RESPONSE:

Toronto Hydro's circuit-kilometres data includes both primary and secondary lines. This includes secondary services up to the customer meter.

Toronto Hydro has reviewed the referenced route-miles information in the UDI directory. The utility cannot verify the source of this data and the results do not appear to be reasonable.

As noted in response to 1B-Staff-28(a)(i), Toronto Hydro is not aware of a standard OEB definition for route-kilometers and does not track this measure.

**TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO
DISTRIBUTED RESOURCE COALITION**

UNDERTAKING NO. JTC4.23:

**Reference(s): 2B-DRC-10(b)
Exhibit 2B, Section E5.5., p. 10, line 13**

To explain the relationship between the 800 megawatt number, the 225 megawatt number, and the 581 megawatt number, all of which are in Exhibit 2B at various places.

RESPONSE:

As of the end of 2017, Toronto Hydro had connected roughly 225.7 MW of distributed generation to its system. Based on its forecasts, Toronto Hydro anticipates an additional 581 MW of distributed generation to be connected to the grid over the 2018-2024 period, resulting in a total of 807 MW by the end of 2024. Please see Exhibit 2B, Section E.5.1, pages 9 to 13 for more details.

**TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO
DISTRIBUTED RESOURCE COALITION**

UNDERTAKING NO. JTC4.24:

Reference(s): 2B-DRC-10(a)

Exhibit 2B, Section E7.4, p. 10, lines 9-10

To provide a status update to the 25-year load forecast including assessment of EV deployment scenarios; to provide any related reports or working papers, if relevant.

RESPONSE:

As stated in the response to interrogatory 2B-DRC-10(a), the planning process that produces the 25-year load forecast is ongoing. The utility expects the forecast to be published by the fall of 2019 further to the IESO's Integrated Regional Resource Plan (IRRP) for Toronto.

As part of the IRRP process, Toronto Hydro provided the IESO a 25-year outlook of peak demand for consideration in the regional planning work. The outlook is consistent with the station load forecast that underlies Toronto Hydro's current application. Nonetheless, please note that this outlook is not final and may be modified by the IESO in the normal course of the planning process.

The outlook, attached as Appendix A to this response, is the only working paper that Toronto Hydro believes is relevant to deciding the issues in this application.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
2	G			1 REXDALE-LT.LFB	B & Y			2017												61000
3	G			1 REXDALE-LT.LFB	B & Y			2018												64000
4	G			1 REXDALE-LT.LFB	B & Y			2019												65000
5	G			1 REXDALE-LT.LFB	B & Y			2020												66000
6	G			1 REXDALE-LT.LFB	B & Y			2021												66000
7	G			1 REXDALE-LT.LFB	B & Y			2022												67000
8	G			1 REXDALE-LT.LFB	B & Y			2023												67000
9	G			1 REXDALE-LT.LFB	B & Y			2024												68000
10	G			1 REXDALE-LT.LFB	B & Y			2025												68000
11	G			1 REXDALE-LT.LFB	B & Y			2026												68000
12	G			1 REXDALE-LT.LFB	B & Y			2027		-500		-800	100	300	0	900	700	0	0	68000
13	G			1 REXDALE-LT.LFB	B & Y			2028		-500		-800	100	400	0	1000	800	0	0	67000
14	G			1 REXDALE-LT.LFB	B & Y			2029		-500		-800	100	500	0	1100	800	0	0	67000
15	G			1 REXDALE-LT.LFB	B & Y			2030		-500		-800	100	500	0	1200	900	0	0	66000
16	G			1 REXDALE-LT.LFB	B & Y			2031		-500		-800	100	600	0	1300	1000	0	0	65000
17	G			1 REXDALE-LT.LFB	B & Y			2032		-500		-800	100	700	0	1300	1000	0	0	64000
18	G			1 REXDALE-LT.LFB	B & Y			2033		-500		-800	100	800	0	1400	1100	0	0	64000
19	G			1 REXDALE-LT.LFB	B & Y			2034		-500		-800	100	800	0	1500	1100	0	0	63000
20	G			1 REXDALE-LT.LFB	B & Y			2035		-500		-800	100	900	0	1500	1200	0	0	62000
21	G			1 REXDALE-LT.LFB	B & Y			2036		-500		-800	100	1000	0	1500	1200	0	0	61000
22	G			1 REXDALE-LT.LFB	B & Y			2037		-500		-800	100	1100	0	1600	1200	0	0	61000
23	G			1 REXDALE-LT.LFB	B & Y			2038		-500		-800	100	1200	0	1600	1200	0	0	60000
24	G			1 REXDALE-LT.LFB	B & Y			2039		-500		-800	100	1300	0	1600	1200	0	0	59000
25	G			1 REXDALE-LT.LFB	B & Y			2040		-500		-800	100	1400	0	1600	1200	0	0	58000
26	G			1 REXDALE-LT.LFB	B & Y			2041		-500		-800	100	1500	0	1600	1300	0	0	57000
27	G			1 REXDALE-LT.LFB	J & Q			2017												58000
28	G			1 REXDALE-LT.LFB	J & Q			2018												59000
29	G			1 REXDALE-LT.LFB	J & Q			2019												59000
30	G			1 REXDALE-LT.LFB	J & Q			2020												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
57	G		1	RICHVIEW-LT.LFE	B & Y			2022												46000
58	G		1	RICHVIEW-LT.LFE	B & Y			2023												47000
59	G		1	RICHVIEW-LT.LFE	B & Y			2024												47000
60	G		1	RICHVIEW-LT.LFE	B & Y			2025												47000
61	G		1	RICHVIEW-LT.LFE	B & Y			2026												48000
62	G		1	RICHVIEW-LT.LFE	B & Y			2027		-300		-500	100	200	0	500	400	0	0	47000
63	G		1	RICHVIEW-LT.LFE	B & Y			2028		-300		-500	100	200	0	600	500	0	0	47000
64	G		1	RICHVIEW-LT.LFE	B & Y			2029		-300		-500	100	300	0	700	500	0	0	46000
65	G		1	RICHVIEW-LT.LFE	B & Y			2030		-300		-500	100	300	0	700	600	0	0	46000
66	G		1	RICHVIEW-LT.LFE	B & Y			2031		-300		-500	100	400	0	800	600	0	0	45000
67	G		1	RICHVIEW-LT.LFE	B & Y			2032		0		-500	100	600	6500	500	800	1100	0	45000
68	G		1	RICHVIEW-LT.LFE	B & Y			2033		0		-500	100	700	6900	600	800	1100	0	45000
69	G		1	RICHVIEW-LT.LFE	B & Y			2034		0		-500	100	800	7200	600	900	1200	0	45000
70	G		1	RICHVIEW-LT.LFE	B & Y			2035		0		-500	100	800	7400	600	900	1200	0	45000
71	G		1	RICHVIEW-LT.LFE	B & Y			2036		0		-500	100	900	7500	600	900	1200	0	45000
72	G		1	RICHVIEW-LT.LFE	B & Y			2037		0		-500	100	1000	7700	600	900	1200	0	44000
73	G		1	RICHVIEW-LT.LFE	B & Y			2038		0		-500	100	1100	7800	600	1000	1300	0	43000
74	G		1	RICHVIEW-LT.LFE	B & Y			2039		0		-500	100	1200	7800	600	1000	1300	0	43000
75	G		1	RICHVIEW-LT.LFE	B & Y			2040		0		-500	100	1300	8000	600	1000	1300	0	43000
76	G		1	RICHVIEW-LT.LFE	B & Y			2041		0		-500	100	1400	8000	700	1000	1300	0	42000
77	G		1	RICHVIEW-LT.LFE	J & E			2017												102000
78	G		1	RICHVIEW-LT.LFE	J & E			2018												102000
79	G		1	RICHVIEW-LT.LFE	J & E			2019												86000
80	G		1	RICHVIEW-LT.LFE	J & E			2020												87000
81	G		1	RICHVIEW-LT.LFE	J & E			2021												88000
82	G		1	RICHVIEW-LT.LFE	J & E			2022												89000
83	G		1	RICHVIEW-LT.LFE	J & E			2023												89000
84	G		1	RICHVIEW-LT.LFE	J & E			2024												90000
85	G		1	RICHVIEW-LT.LFE	J & E			2025												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
112	G			1 RICHVIEW-LT.LFE	Q & Z			2027		-600		-1000	200	400	0	1000	800	0	0	87000
113	G			1 RICHVIEW-LT.LFE	Q & Z			2028		-600		-1000	200	500	0	1200	900	0	0	86000
114	G			1 RICHVIEW-LT.LFE	Q & Z			2029		-600		-1000	200	500	0	1300	1000	0	0	85000
115	G			1 RICHVIEW-LT.LFE	Q & Z			2030		-600		-1000	200	600	0	1400	1100	0	0	84000
116	G			1 RICHVIEW-LT.LFE	Q & Z			2031		-600		-1000	200	700	0	1500	1200	0	0	83000
117	G			1 RICHVIEW-LT.LFE	Q & Z			2032		0		-900	200	1200	12800	1000	1600	2100	0	83000
118	G			1 RICHVIEW-LT.LFE	Q & Z			2033		0		-900	200	1300	13400	1100	1700	2200	0	83000
119	G			1 RICHVIEW-LT.LFE	Q & Z			2034		0		-900	200	1500	14000	1100	1700	2300	0	83000
120	G			1 RICHVIEW-LT.LFE	Q & Z			2035		0		-900	200	1600	14400	1200	1800	2300	0	82000
121	G			1 RICHVIEW-LT.LFE	Q & Z			2036		0		-900	200	1800	14700	1200	1800	2400	0	82000
122	G			1 RICHVIEW-LT.LFE	Q & Z			2037		0		-900	200	2000	15000	1200	1900	2400	0	80000
123	G			1 RICHVIEW-LT.LFE	Q & Z			2038		0		-900	200	2100	15200	1200	1900	2500	0	80000
124	G			1 RICHVIEW-LT.LFE	Q & Z			2039		0		-900	200	2300	15300	1200	1900	2500	0	80000
125	G			1 RICHVIEW-LT.LFE	Q & Z			2040		0		-900	200	2500	15600	1300	1900	2600	0	79000
126	G			1 RICHVIEW-LT.LFE	Q & Z			2041		0		-900	200	2700	15700	1300	1900	2600	0	77000
127	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2017												20000
128	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2018												20000
129	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2019												20000
130	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2020												20000
131	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2021												20000
132	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2022												20000
133	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2023												21000
134	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2024												21000
135	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2025												21000
136	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2026												21000
137	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2027		0		-600	100	500	1600	600	900	1100	0	21000
138	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2028		0		-600	100	600	1800	700	1000	1300	0	21000
139	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2029		0		-600	100	700	2000	700	1100	1400	0	20000
140	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2030		0		-600	100	800	2200	800	1200	1500	0	20000
141	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2031		0		-600	100	900	2300	800	1300	1700	0	20000
142	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2032		0		-600	200	1200	2500	900	1400	1700	0	20000
143	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2033		0		-600	200	1400	2600	900	1500	1800	0	20000
144	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2034		0		-600	200	1500	2700	1000	1500	1900	0	20000
145	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2035		0		-600	200	1700	2800	1000	1600	2000	0	19000
146	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2036		0		-600	200	1900	2900	1000	1600	2000	0	19000
147	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2037		0		-600	200	2000	2900	1000	1600	2100	0	19000
148	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2038		0		-600	200	2200	3000	1100	1700	2100	0	19000
149	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2039		0		-600	200	2400	3000	1100	1700	2100	0	18000
150	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2040		0		-600	200	2600	3000	1100	1700	2200	0	18000
151	G			1 WOODBRIDGE-LT.LFB	FEEDERS-M1 & M4			2041		0		-600	200	2800	3000	1100	1700	2200	0	18000
152	G			2 HORNER-LT.LFB	B & Y			2017												130000
153	G			2 HORNER-LT.LFB	B & Y			2018												133000
154	G			2 HORNER-LT.LFB	B & Y			2019												137000
155	G			2 HORNER-LT.LFB	B & Y			2020												138000
156	G			2 HORNER-LT.LFB	B & Y			2021												140000
157	G			2 HORNER-LT.LFB	B & Y			2022												140000
158	G			2 HORNER-LT.LFB	B & Y			2023												142000
159	G			2 HORNER-LT.LFB	B & Y			2024												143000
160	G			2 HORNER-LT.LFB	B & Y			2025												144000
161	G			2 HORNER-LT.LFB	B & Y			2026												145000
162	G			2 HORNER-LT.LFB	B & Y			2027		0		-2400	200	1300	17400	1500	2400	2700	0	149000
163	G			2 HORNER-LT.LFB	B & Y			2028		0		-2500	200	1600	22500	1800	2800	3200	0	154000
164	G			2 HORNER-LT.LFB	B & Y			2029		0		-2500	200	1900	25000	2000	3100	3600	0	158000
165	G			2 HORNER-LT.LFB	B & Y			2030		0		-2500	200	2200	27200	2200	3400	3800	0	161000
166	G			2 HORNER-LT.LFB	B & Y			2031		0		-2500	200	2500	29300	2400	3600	4100	0	165000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
167	G		2	HORNER-LT.LFB	B & Y			2032		0		-2500	200	2900	31100	2500	3800	4300	0	168000
168	G		2	HORNER-LT.LFB	B & Y			2033		0		-2500	200	3200	32800	2700	4100	4600	0	171000
169	G		2	HORNER-LT.LFB	B & Y			2034		0		-2500	200	3600	34600	2800	4300	4800	0	174000
170	G		2	HORNER-LT.LFB	B & Y			2035		0		-2500	200	4000	35900	2900	4400	5000	0	177000
171	G		2	HORNER-LT.LFB	B & Y			2036		0		-2500	200	4500	36900	3000	4500	5100	0	179000
172	G		2	HORNER-LT.LFB	B & Y			2037		0		-2500	200	4900	37700	3100	4700	5200	0	181000
173	G		2	HORNER-LT.LFB	B & Y			2038		0		-2500	200	5400	38600	3100	4800	5300	0	183000
174	G		2	HORNER-LT.LFB	B & Y			2039		0		-2500	200	5900	39100	3200	4800	5300	0	185000
175	G		2	HORNER-LT.LFB	B & Y			2040		0		-2500	200	6400	40000	3200	4900	5400	0	187000
176	G		2	HORNER-LT.LFB	B & Y			2041		0		-2500	200	6900	40400	3300	5000	5500	0	188000
177	G		2	MANBYW-LT.LFB	B & Y			2017												51000
178	G		2	MANBYW-LT.LFB	B & Y			2018												52000
179	G		2	MANBYW-LT.LFB	B & Y			2019												53000
180	G		2	MANBYW-LT.LFB	B & Y			2020												54000
181	G		2	MANBYW-LT.LFB	B & Y			2021												55000
182	G		2	MANBYW-LT.LFB	B & Y			2022												55000
183	G		2	MANBYW-LT.LFB	B & Y			2023												56000
184	G		2	MANBYW-LT.LFB	B & Y			2024												56000
185	G		2	MANBYW-LT.LFB	B & Y			2025												57000
186	G		2	MANBYW-LT.LFB	B & Y			2026												57000
187	G		2	MANBYW-LT.LFB	B & Y			2027		-500		-1200	100	400	0	1100	800	0	0	57000
188	G		2	MANBYW-LT.LFB	B & Y			2028		-500		-1200	100	500	0	1200	900	0	0	58000
189	G		2	MANBYW-LT.LFB	B & Y			2029		-500		-1200	100	600	0	1400	1000	0	0	58000
190	G		2	MANBYW-LT.LFB	B & Y			2030		-500		-1200	100	700	0	1500	1100	0	0	59000
191	G		2	MANBYW-LT.LFB	B & Y			2031		-500		-1200	100	700	0	1600	1200	0	0	59000
192	G		2	MANBYW-LT.LFB	B & Y			2032		-500		-1200	100	900	0	1700	1300	0	0	60000
193	G		2	MANBYW-LT.LFB	B & Y			2033		-500		-1200	100	1000	0	1800	1400	0	0	60000
194	G		2	MANBYW-LT.LFB	B & Y			2034		-500		-1200	100	1100	0	1900	1400	0	0	60000
195	G		2	MANBYW-LT.LFB	B & Y			2035		0		-1000	100	1600	13000	1100	1700	1900	0	61000
196	G		2	MANBYW-LT.LFB	B & Y			2036		0		-1000	100	1800	13300	1200	1800	2000	0	62000
197	G		2	MANBYW-LT.LFB	B & Y			2037		0		-1000	100	1900	13600	1200	1800	2000	0	62000
198	G		2	MANBYW-LT.LFB	B & Y			2038		0		-1000	100	2100	13900	1200	1900	2100	0	63000
199	G		2	MANBYW-LT.LFB	B & Y			2039		0		-1000	100	2300	14100	1200	1900	2100	0	64000
200	G		2	MANBYW-LT.LFB	B & Y			2040		0		-1000	100	2500	14400	1300	1900	2100	0	64000
201	G		2	MANBYW-LT.LFB	B & Y			2041		0		-1000	100	2700	14600	1300	2000	2200	0	65000
202	G		2	MANBYW-LT.LFB	Q & Z			2017												54000
203	G		2	MANBYW-LT.LFB	Q & Z			2018												55000
204	G		2	MANBYW-LT.LFB	Q & Z			2019												58000
205	G		2	MANBYW-LT.LFB	Q & Z			2020												59000
206	G		2	MANBYW-LT.LFB	Q & Z			2021												59000
207	G		2	MANBYW-LT.LFB	Q & Z			2022												59000
208	G		2	MANBYW-LT.LFB	Q & Z			2023												60000
209	G		2	MANBYW-LT.LFB	Q & Z			2024												60000
210	G		2	MANBYW-LT.LFB	Q & Z			2025												60000
211	G		2	MANBYW-LT.LFB	Q & Z			2026												61000
212	G		2	MANBYW-LT.LFB	Q & Z			2027		-500		-1300	100	400	0	1100	900	0	0	62000
213	G		2	MANBYW-LT.LFB	Q & Z			2028		-500		-1300	100	500	0	1300	1000	0	0	62000
214	G		2	MANBYW-LT.LFB	Q & Z			2029		-500		-1300	100	600	0	1500	1100	0	0	63000
215	G		2	MANBYW-LT.LFB	Q & Z			2030		-500		-1300	100	700	0	1600	1200	0	0	63000
216	G		2	MANBYW-LT.LFB	Q & Z			2031		-500		-1300	100	800	0	1700	1300	0	0	64000
217	G		2	MANBYW-LT.LFB	Q & Z			2032		-500		-1300	100	900	0	1800	1400	0	0	64000
218	G		2	MANBYW-LT.LFB	Q & Z			2033		-500		-1300	100	1000	0	1900	1500	0	0	65000
219	G		2	MANBYW-LT.LFB	Q & Z			2034		-500		-1300	100	1200	0	2000	1600	0	0	65000
220	G		2	MANBYW-LT.LFB	Q & Z			2035		0		-1100	100	1700	14000	1200	1900	2100	0	66000
221	G		2	MANBYW-LT.LFB	Q & Z			2036		0		-1100	100	1900	14400	1300	1900	2200	0	67000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
222	G		2	MANBYW-LT.LFB	Q & Z			2037		0		-1100	100	2100	14800	1300	2000	2200	0	67000
223	G		2	MANBYW-LT.LFB	Q & Z			2038		0		-1100	100	2300	15100	1300	2000	2200	0	68000
224	G		2	MANBYW-LT.LFB	Q & Z			2039		0		-1100	100	2500	15300	1400	2100	2300	0	69000
225	G		2	MANBYW-LT.LFB	Q & Z			2040		0		-1100	100	2700	15600	1400	2100	2300	0	69000
226	G		2	MANBYW-LT.LFB	Q & Z			2041		0		-1100	100	3000	15800	1400	2100	2300	0	70000
227	G		2	MANBYW-LT.LFB	V & F			2017												77000
228	G		2	MANBYW-LT.LFB	V & F			2018												84000
229	G		2	MANBYW-LT.LFB	V & F			2019												91000
230	G		2	MANBYW-LT.LFB	V & F			2020												92000
231	G		2	MANBYW-LT.LFB	V & F			2021												97000
232	G		2	MANBYW-LT.LFB	V & F			2022												98000
233	G		2	MANBYW-LT.LFB	V & F			2023												99000
234	G		2	MANBYW-LT.LFB	V & F			2024												100000
235	G		2	MANBYW-LT.LFB	V & F			2025												100000
236	G		2	MANBYW-LT.LFB	V & F			2026												101000
237	G		2	MANBYW-LT.LFB	V & F			2027		-1100		-1500	100	500	0	1600	1200	-3200	0	101000
238	G		2	MANBYW-LT.LFB	V & F			2028		-1100		-1500	100	500	0	1900	1400	-3700	0	102000
239	G		2	MANBYW-LT.LFB	V & F			2029		-1100		-1500	100	600	0	2100	1500	-4100	0	103000
240	G		2	MANBYW-LT.LFB	V & F			2030		-1100		-1500	100	700	0	2200	1600	-4400	0	104000
241	G		2	MANBYW-LT.LFB	V & F			2031		-1100		-1500	100	800	0	2400	1800	-4700	0	104000
242	G		2	MANBYW-LT.LFB	V & F			2032		-1100		-1500	100	1000	0	2600	1900	-5000	0	105000
243	G		2	MANBYW-LT.LFB	V & F			2033		0		-1500	100	2000	0	1700	2500	2900	0	106000
244	G		2	MANBYW-LT.LFB	V & F			2034		0		-1500	100	2300	0	1800	2700	3000	0	111000
245	G		2	MANBYW-LT.LFB	V & F			2035		0		-1500	100	2500	0	1800	2800	3100	0	113000
246	G		2	MANBYW-LT.LFB	V & F			2036		0		-1500	100	2800	0	1900	2800	3200	0	114000
247	G		2	MANBYW-LT.LFB	V & F			2037		0		-1500	100	3100	0	1900	2900	3200	0	115000
248	G		2	MANBYW-LT.LFB	V & F			2038		0		-1500	100	3400	0	2000	3000	3300	0	116000
249	G		2	MANBYW-LT.LFB	V & F			2039		0		-1500	100	3700	0	2000	3000	3300	0	117000
250	G		2	MANBYW-LT.LFB	V & F			2040		0		-1500	100	4000	0	2000	3100	3400	0	118000
251	G		2	MANBYW-LT.LFB	V & F			2041		0		-1500	100	4300	0	2100	3100	3400	0	119000
252	G		3	AGINCOURT-LT.LFY	B & Y			2017												92000
253	G		3	AGINCOURT-LT.LFY	B & Y			2018												92000
254	G		3	AGINCOURT-LT.LFY	B & Y			2019												95000
255	G		3	AGINCOURT-LT.LFY	B & Y			2020												98000
256	G		3	AGINCOURT-LT.LFY	B & Y			2021												100000
257	G		3	AGINCOURT-LT.LFY	B & Y			2022												101000
258	G		3	AGINCOURT-LT.LFY	B & Y			2023												102000
259	G		3	AGINCOURT-LT.LFY	B & Y			2024												103000
260	G		3	AGINCOURT-LT.LFY	B & Y			2025												104000
261	G		3	AGINCOURT-LT.LFY	B & Y			2026												104000
262	G		3	AGINCOURT-LT.LFY	B & Y			2027		-900		-1900	200	600	0	1700	1300	0	0	105000
263	G		3	AGINCOURT-LT.LFY	B & Y			2028		-900		-1900	200	800	0	1900	1500	0	0	106000
264	G		3	AGINCOURT-LT.LFY	B & Y			2029		-900		-1900	200	900	0	2100	1600	0	0	106000
265	G		3	AGINCOURT-LT.LFY	B & Y			2030		-900		-1900	200	1000	0	2300	1700	0	0	107000
266	G		3	AGINCOURT-LT.LFY	B & Y			2031		-900		-1900	200	1100	0	2400	1900	0	0	107000
267	G		3	AGINCOURT-LT.LFY	B & Y			2032		-900		-1900	200	1300	0	2600	2000	0	0	108000
268	G		3	AGINCOURT-LT.LFY	B & Y			2033		-900		-1900	200	1500	0	2700	2100	0	0	108000
269	G		3	AGINCOURT-LT.LFY	B & Y			2034		-900		-1900	200	1600	0	2800	2200	0	0	109000
270	G		3	AGINCOURT-LT.LFY	B & Y			2035		0		-1400	200	2500	20000	1800	2700	3100	0	110000
271	G		3	AGINCOURT-LT.LFY	B & Y			2036		0		-1400	200	2700	20400	1800	2700	3200	0	111000
272	G		3	AGINCOURT-LT.LFY	B & Y			2037		0		-1400	200	3000	20900	1800	2800	3200	0	111000
273	G		3	AGINCOURT-LT.LFY	B & Y			2038		0		-1400	200	3200	21300	1900	2900	3300	0	112000
274	G		3	AGINCOURT-LT.LFY	B & Y			2039		0		-1400	200	3500	21500	1900	2900	3300	0	113000
275	G		3	AGINCOURT-LT.LFY	B & Y			2040		0		-1400	200	3800	21900	1900	2900	3400	0	114000
276	G		3	AGINCOURT-LT.LFY	B & Y			2041		0		-1400	200	4100	22100	2000	3000	3400	0	114000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
277	G		3	BATHURST-LT.LFB	B & Y			2017												107000
278	G		3	BATHURST-LT.LFB	B & Y			2018												113000
279	G		3	BATHURST-LT.LFB	B & Y			2019												118000
280	G		3	BATHURST-LT.LFB	B & Y			2020												122000
281	G		3	BATHURST-LT.LFB	B & Y			2021												124000
282	G		3	BATHURST-LT.LFB	B & Y			2022												125000
283	G		3	BATHURST-LT.LFB	B & Y			2023												126000
284	G		3	BATHURST-LT.LFB	B & Y			2024												127000
285	G		3	BATHURST-LT.LFB	B & Y			2025												128000
286	G		3	BATHURST-LT.LFB	B & Y			2026												129000
287	G		3	BATHURST-LT.LFB	B & Y			2027		-2000		-2000	200	700	0	2300	1700	-4600	0	129000
288	G		3	BATHURST-LT.LFB	B & Y			2028		-2000		-2000	200	800	0	2600	1900	-5300	0	129000
289	G		3	BATHURST-LT.LFB	B & Y			2029		-2000		-2000	200	900	0	2900	2100	-5900	0	130000
290	G		3	BATHURST-LT.LFB	B & Y			2030		-2000		-2000	200	1000	0	3200	2300	-6300	0	130000
291	G		3	BATHURST-LT.LFB	B & Y			2031		0		-2000	300	2100	22800	2000	3100	3600	0	132000
292	G		3	BATHURST-LT.LFB	B & Y			2032		0		-2000	300	2400	24100	2100	3200	3800	0	134000
293	G		3	BATHURST-LT.LFB	B & Y			2033		0		-2000	300	2700	25300	2200	3400	4000	0	136000
294	G		3	BATHURST-LT.LFB	B & Y			2034		0		-2000	300	3000	26500	2300	3600	4100	0	138000
295	G		3	BATHURST-LT.LFB	B & Y			2035		0		-2000	300	3400	27500	2400	3700	4300	0	139000
296	G		3	BATHURST-LT.LFB	B & Y			2036		0		-2000	300	3700	28100	2500	3800	4400	0	141000
297	G		3	BATHURST-LT.LFB	B & Y			2037		0		-2000	300	4100	28600	2500	3900	4500	0	142000
298	G		3	BATHURST-LT.LFB	B & Y			2038		0		-2000	300	4500	29200	2600	3900	4500	0	143000
299	G		3	BATHURST-LT.LFB	B & Y			2039		0		-2000	300	4800	29500	2600	4000	4600	0	143000
300	G		3	BATHURST-LT.LFB	B & Y			2040		0		-2000	300	5300	30100	2700	4000	4700	0	144000
301	G		3	BATHURST-LT.LFB	B & Y			2041		0		-1900	100	3700	43700	2800	4200	4800	0	145000
302	G		3	BATHURST-LT.LFB	J & Q			2017												88000
303	G		3	BATHURST-LT.LFB	J & Q			2018												97000
304	G		3	BATHURST-LT.LFB	J &															

[illegible]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
387	G		3	FAIRCHILD-LT.LFB	J & Q			2027		-1200		-2100	300	800	0	2100	1600	0	0	120000
388	G		3	FAIRCHILD-LT.LFB	J & Q			2028		-1200		-2100	300	1000	0	2400	1900	0	0	121000
389	G		3	FAIRCHILD-LT.LFB	J & Q			2029		-1200		-2100	300	1100	0	2700	2100	0	0	122000
390	G		3	FAIRCHILD-LT.LFB	J & Q			2030		-1200		-2100	300	1300	0	2900	2200	0	0	122000
391	G		3	FAIRCHILD-LT.LFB	J & Q			2031		-1200		-2100	300	1500	0	3100	2400	0	0	123000
392	G		3	FAIRCHILD-LT.LFB	J & Q			2032		-1200		-2100	300	1700	0	3300	2500	0	0	123000
393	G		3	FAIRCHILD-LT.LFB	J & Q			2033		-1200		-2100	300	1900	0	3400	2700	0	0	124000
394	G		3	FAIRCHILD-LT.LFB	J & Q			2034		-1200		-2100	300	2100	0	3600	2800	0	0	125000
395	G		3	FAIRCHILD-LT.LFB	J & Q			2035		-1200		-2100	300	2300	0	3700	2900	0	0	125000
396	G		3	FAIRCHILD-LT.LFB	J & Q			2036		-1200		-2100	300	2500	0	3800	2900	0	0	125000
397	G		3	FAIRCHILD-LT.LFB	J & Q			2037		-1200		-2100	300	2800	0	3900	3000	0	0	126000
398	G		3	FAIRCHILD-LT.LFB	J & Q			2038		-1200		-2100	300	3000	0	4000	3100	0	0	126000
399	G		3	FAIRCHILD-LT.LFB	J & Q			2039		-1200		-2100	300	3300	0	4000	3100	0	0	127000
400	G		3	FAIRCHILD-LT.LFB	J & Q			2040		-1200		-2100	300	3600	0	4100	3100	0	0	127000
401	G		3	FAIRCHILD-LT.LFB	J & Q			2041		-1200		-2100	300	3900	0	4100	3200	0	0	127000
402	G		3	FINCH-LT.LFB	B & Y			2017												116000
403	G		3	FINCH-LT.LFB	B & Y			2018												117000
404	G		3	FINCH-LT.LFB	B & Y			2019												118000
405	G		3	FINCH-LT.LFB	B & Y			2020												120000
406	G		3	FINCH-LT.LFB	B & Y			2021												121000
407	G		3	FINCH-LT.LFB	B & Y			2022												121000
408	G		3	FINCH-LT.LFB	B & Y			2023												122000
409	G		3	FINCH-LT.LFB	B & Y			2024												122000
410	G		3	FINCH-LT.LFB	B & Y			2025												123000
411	G		3	FINCH-LT.LFB	B & Y			2026												124000
412	G		3	FINCH-LT.LFB	B & Y			2027		-1300		-2400	300	900	0	2400	1800	0	0	125000
413	G		3	FINCH-LT.LFB	B & Y			2028		-1300		-2400	300	1100	0	2700	2100	0	0	126000
414	G		3	FINCH-LT.LFB	B & Y			2029		-1300		-2400	300	1200	0	3000	2300	0	0	126000
415	G		3	FINCH-LT.LFB	B & Y			2030		-1300		-2400	300	1400	0	3200	2500	0	0	127000
416	G		3	FINCH-LT.LFB	B & Y			2031		-1300		-2400	300	1600	0	3400	2600	0	0	128000
417	G		3	FINCH-LT.LFB	B & Y			2032		-1300		-2400	300	1800	0	3600	2800	0	0	128000
418	G		3	FINCH-LT.LFB	B & Y			2033		-1300		-2400	300	2100	0	3800	2900	0	0	129000
419	G		3	FINCH-LT.LFB	B & Y			2034		-1300		-2400	300	2300	0	4000	3100	0	0	129000
420	G		3	FINCH-LT.LFB	B & Y			2035		-1300		-2400	300	2500	0	4100	3200	0	0	130000
421	G		3	FINCH-LT.LFB	B & Y			2036		-1300		-2400	300	2800	0	4200	3200	0	0	130000
422	G		3	FINCH-LT.LFB	B & Y			2037		-1300		-2400	300	3100	0	4300	3300	0	0	131000
423	G		3	FINCH-LT.LFB	B & Y			2038		-1300		-2400	300	3400	0	4400	3400	0	0	131000
424	G		3	FINCH-LT.LFB	B & Y			2039		-1300		-2400	300	3700	0	4400	3400	0	0	131000
425	G		3	FINCH-LT.LFB	B & Y			2040		-1300		-2400	300	4000	0	4500	3500	0	0	132000
426	G		3	FINCH-LT.LFB	B & Y			2041		-1300		-2400	300	4300	0	4600	3500	0	0	132000
427	G		3	FINCH-LT.LFB	J & Q			2017												127000
428	G		3	FINCH-LT.LFB	J & Q			2018												132000
429	G		3	FINCH-LT.LFB	J & Q			2019												136000
430	G		3	FINCH-LT.LFB	J & Q			2020												138000
431	G		3	FINCH-LT.LFB	J & Q			2021												139000
432	G		3	FINCH-LT.LFB	J & Q			2022												140000
433	G		3	FINCH-LT.LFB	J & Q			2023												140000
434	G		3	FINCH-LT.LFB	J & Q			2024												141000
435	G		3	FINCH-LT.LFB	J & Q			2025												142000
436	G		3	FINCH-LT.LFB	J & Q			2026												143000
437	G		3	FINCH-LT.LFB	J & Q			2027		-1500		-2700	300	1000	0	2700	2100	0	0	144000
438	G		3	FINCH-LT.LFB	J & Q			2028		-1500		-2700	300	1200	0	3100	2300	0	0	145000
439	G		3	FINCH-LT.LFB	J & Q			2029		-1500		-2700	300	1400	0	3400	2600	0	0	146000
440	G		3	FINCH-LT.LFB	J & Q			2030		-1500		-2700	300	1600	0	3700	2800	0	0	146000
441	G		3	FINCH-LT.LFB	J & Q			2031		-1500		-2700	300	1800	0	3900	3000	0	0	147000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
442	G		3	FINCH-LT.LFB	J & Q			2032		-1500		-2700	300	2100	0	4100	3200	0	0	148000
443	G		3	FINCH-LT.LFB	J & Q			2033		-1500		-2700	300	2300	0	4300	3300	0	0	148000
444	G		3	FINCH-LT.LFB	J & Q			2034		-1500		-2700	300	2600	0	4600	3500	0	0	149000
445	G		3	FINCH-LT.LFB	J & Q			2035		-1500		-2700	300	2900	0	4700	3600	0	0	149000
446	G		3	FINCH-LT.LFB	J & Q			2036		-1500		-2700	300	3200	0	4800	3700	0	0	150000
447	G		3	FINCH-LT.LFB	J & Q			2037		-1500		-2700	300	3500	0	4900	3800	0	0	150000
448	G		3	FINCH-LT.LFB	J & Q			2038		-1500		-2700	300	3800	0	5000	3900	0	0	151000
449	G		3	FINCH-LT.LFB	J & Q			2039		-1500		-2700	300	4200	0	5100	3900	0	0	151000
450	G		3	FINCH-LT.LFB	J & Q			2040		-1500		-2700	300	4500	0	5200	4000	0	0	152000
451	G		3	FINCH-LT.LFB	J & Q			2041		-1500		-2700	300	4900	0	5200	4000	0	0	152000
452	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2017												69000
453	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2018												77000
454	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2019												80000
455	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2020												82000
456	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2021												82000
457	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2022												83000
458	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2023												83000
459	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2024												84000
460	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2025												85000
461	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2026												85000
462	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2027		-600		-1200	200	400	0	1200	900	0	0	85000
463	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2028		-600		-1200	200	500	0	1300	1000	0	0	86000
464	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2029		-600		-1200	200	600	0	1500	1100	0	0	86000
465	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2030		-600		-1200	200	700	0	1600	1200	0	0	87000
466	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2031		-600		-1200	200	800	0	1700	1300	0	0	87000
467	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2032		0		-1100	100	1400	12400	1200	1800	2100	0	88000
468	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2033		0		-1100	100	1500	15100	1200	1900	2200	0	89000
469	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2034		0		-1100	100	1700	15800	1300	2000	2300	0	91000
470	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2035		0		-1100	100	1800	16400	1300	2000	2300	0	92000
471	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2036		0		-1100	100	2100	14500	1400	2100	2400	0	92000
472	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2037		0		-1100	100	2300	14800	1400	2200	2500	0	93000
473	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2038		0		-1100	100	2500	15100	1400	2200	2500	0	94000
474	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2039		0		-1100	100	2600	17600	1400	2200	2500	0	95000
475	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2040		0		-1100	100	2900	17900	1500	2200	2600	0	95000
476	G		3	LESLIE-LT.LFH1	B & Y (27.6 KV)			2041		0		-1100	100	3200	15700	1500	2300	2600	0	95000
477	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2017												15000
478	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2018												10000
479	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2019												7000
480	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2020												0
481	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2021												0
482	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2022												0
483	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2023												0
484	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2024												0
485	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2025												0
486	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2026												0
487	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2027		-200		-300	0	100	0	300	200	0	0	0
488	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2028		-200		-300	0	100	0	400	300	0	0	0
489	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2029		-200		-300	0	200	0	400	300	0	0	0
490	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2030		-200		-300	0	200	0	400	300	0	0	0
491	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2031		-200		-300	0	200	0	500	400	0	0	0
492	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2032		0		-300	0	400	3400	300	500	600	0	0
493	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2033		0		-300	0	400	4100	300	500	600	0	0
494	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2034		0		-300	0	400	4300	300	500	600	0	0
495	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2035		0		-300	0	500	4400	400	500	600	0	0
496	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2036		0		-300	0	600	3900	400	600	700	0	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
497	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2037		0		-300	0	600	4000	400	600	700	0	0
498	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2038		0		-300	0	700	4100	400	600	700	0	0
499	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2039		0		-300	0	700	4700	400	600	700	0	0
500	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2040		0		-300	0	800	4800	400	600	700	0	0
501	G		3	LESLIE-LT.LFH1	H1 & H2 (13.8 KV)			2041		0		-300	0	900	4200	400	600	700	0	0
502	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2017												134000
503	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2018												146000
504	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2019												154000
505	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2020												167000
506	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2021												168000
507	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2022												171000
508	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2023												172000
509	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2024												174000
510	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2025												175000
511	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2026												176000
512	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2027		-1200		-2200	300	800	0	2100	1600	0	0	177000
513	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2028		-1200		-2200	300	1000	0	2400	1900	0	0	178000
514	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2029		-1200		-2200	300	1100	0	2700	2100	0	0	179000
515	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2030		-1200		-2200	300	1300	0	2900	2200	0	0	179000
516	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2031		-1200		-2200	300	1500	0	3100	2400	0	0	180000
517	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2032		0		-2000	300	2500	23000	2200	3300	3900	0	182000
518	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2033		0		-2000	300	2800	27900	2300	3500	4000	0	186000
519	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2034		0		-2000	300	3100	29300	2400	3600	4200	0	188000
520	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2035		0		-2000	300	3400	30300	2500	3700	4300	0	191000
521	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2036		0		-2000	300	3800	26900	2600	3900	4500	0	191000
522	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2037		0		-2000	300	4200	27400	2600	4000	4600	0	193000
523	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2038		0		-2000	300	4600	28000	2700	4100	4700	0	194000
524	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2039		0		-2000	300	4900	32500	2600	4000	4600	0	196000
525	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2040		0		-2000	300	5300	33100	2700	4100	4700	0	198000
526	G		3	LESLIE-LT.LFH1	J & Q (27.6 KV)			2041		0		-2000	300	5900	29000	2800	4200	4900	0	198000
527	G		3	MALVERN-LT.LFJ	J & Q			2017												81000
528	G		3	MALVERN-LT.LFJ	J & Q			2018												83000
529	G		3	MALVERN-LT.LFJ	J & Q			2019												84000
530	G		3	MALVERN-LT.LFJ	J & Q			2020												85000
531	G		3	MALVERN-LT.LFJ	J & Q			2021												86000
532	G		3	MALVERN-LT.LFJ	J & Q			2022												86000
533	G		3	MALVERN-LT.LFJ	J & Q			2023												86000
534	G		3	MALVERN-LT.LFJ	J & Q			2024												87000
535	G		3	MALVERN-LT.LFJ	J & Q			2025												88000
536	G		3	MALVERN-LT.LFJ	J & Q			2026												88000
537	G		3	MALVERN-LT.LFJ	J & Q			2027		-600		-1700	300	500	14200	1300	1500	0	0	91000
538	G		3	MALVERN-LT.LFJ	J & Q			2028		-600		-1700	300	600	16100	1500	1700	0	0	93000
539	G		3	MALVERN-LT.LFJ	J & Q			2029		-800		-1900	300	1000	18400	1700	2300	0	0	95000
540	G		3	MALVERN-LT.LFJ	J & Q			2030		-800		-1900	300	1200	19900	1800	2500	0	0	96000
541	G		3	MALVERN-LT.LFJ	J & Q			2031		-800		-1900	300	1400	21300	2000	2700	0	0	98000
542	G		3	MALVERN-LT.LFJ	J & Q			2032		-800		-1900	300	1500	22500	2100	2800	0	0	99000
543	G		3	MALVERN-LT.LFJ	J & Q			2033		-800		-1900	300	1700	23700	2200	3000	0	0	101000
544	G		3	MALVERN-LT.LFJ	J & Q			2034		-800		-1900	300	1900	24800	2300	3100	0	0	102000
545	G		3	MALVERN-LT.LFJ	J & Q			2035		-800		-1900	300	2100	25700	2400	3200	0	0	103000
546	G		3	MALVERN-LT.LFJ	J & Q			2036		-800		-1900	300	2300	26300	2400	3300	0	0	104000
547	G		3	MALVERN-LT.LFJ	J & Q			2037		-800		-1900	300	2600	26800	2500	3400	0	0	104000
548	G		3	MALVERN-LT.LFJ	J & Q			2038		-800		-1900	300	2800	27300	2500	3400	0	0	105000
549	G		3	MALVERN-LT.LFJ	J & Q			2039		-800		-1900	300	3000	27600	2500	3500	0	0	106000
550	G		3	MALVERN-LT.LFJ	J & Q			2040		-800		-1900	300	3300	28100	2600	3500	0	0	106000
551	G		3	MALVERN-LT.LFJ	J & Q			2041		-800		-1900	300	3600	28400	2600	3600	0	0	107000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
552	G		4	BERMONDSEY-LT.LFJ	B & Y			2017												103000
553	G		4	BERMONDSEY-LT.LFJ	B & Y			2018												97000
554	G		4	BERMONDSEY-LT.LFJ	B & Y			2019												100000
555	G		4	BERMONDSEY-LT.LFJ	B & Y			2020												101000
556	G		4	BERMONDSEY-LT.LFJ	B & Y			2021												103000
557	G		4	BERMONDSEY-LT.LFJ	B & Y			2022												103000
558	G		4	BERMONDSEY-LT.LFJ	B & Y			2023												104000
559	G		4	BERMONDSEY-LT.LFJ	B & Y			2024												104000
560	G		4	BERMONDSEY-LT.LFJ	B & Y			2025												105000
561	G		4	BERMONDSEY-LT.LFJ	B & Y			2026												106000
562	G		4	BERMONDSEY-LT.LFJ	B & Y			2027		-700		-2100	400	900	0	2200	1700	0	0	106000
563	G		4	BERMONDSEY-LT.LFJ	B & Y			2028		-700		-2100	400	1000	0	2600	2000	0	0	107000
564	G		4	BERMONDSEY-LT.LFJ	B & Y			2029		-700		-2100	400	1200	0	2800	2200	0	0	107000
565	G		4	BERMONDSEY-LT.LFJ	B & Y			2030		-700		-2100	400	1400	0	3000	2300	0	0	107000
566	G		4	BERMONDSEY-LT.LFJ	B & Y			2031		-700		-2100	400	1500	0	3300	2500	0	0	107000
567	G		4	BERMONDSEY-LT.LFJ	B & Y			2032		-700		-2100	400	1700	0	3400	2600	0	0	107000
568	G		4	BERMONDSEY-LT.LFJ	B & Y			2033		-700		-2100	400	1900	0	3600	2800	0	0	107000
569	G		4	BERMONDSEY-LT.LFJ	B & Y			2034		-700		-2100	400	2200	0	3800	2900	0	0	107000
570	G		4	BERMONDSEY-LT.LFJ	B & Y			2035		-700		-2100	400	2400	0	3900	3000	0	0	108000
571	G		4	BERMONDSEY-LT.LFJ	B & Y			2036		-700		-2100	400	2600	0	4000	3100	0	0	108000
572	G		4	BERMONDSEY-LT.LFJ	B & Y			2037		-700		-2100	400	2900	0	4100	3100	0	0	108000
573	G		4	BERMONDSEY-LT.LFJ	B & Y			2038		0		-1900	200	4700	0	2700	4200	4000	0	108000
574	G		4	BERMONDSEY-LT.LFJ	B & Y			2039		0		-1900	200	5200	0	2800	4200	4100	0	109000
575	G		4	BERMONDSEY-LT.LFJ	B & Y			2040		0		-1900	200	5600	0	2800	4300	4100	0	113000
576	G		4	BERMONDSEY-LT.LFJ	B & Y			2041		0		-1900	200	6100	0	2900	4400	4200	0	114000
577	G		4	BERMONDSEY-LT.LFJ	J & Q			2017												51000
578	G		4	BERMONDSEY-LT.LFJ	J & Q			2018												51000
579	G		4																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
607	G		4	ELLESMERE-LT.LFJ	J & Q			2022												130000
608	G		4	ELLESMERE-LT.LFJ	J & Q			2023												131000
609	G		4	ELLESMERE-LT.LFJ	J & Q			2024												131000
610	G		4	ELLESMERE-LT.LFJ	J & Q			2025												132000
611	G		4	ELLESMERE-LT.LFJ	J & Q			2026												133000
612	G		4	ELLESMERE-LT.LFJ	J & Q			2027		-1000		-2800	500	1200	0	3000	2300	0	0	133000
613	G		4	ELLESMERE-LT.LFJ	J & Q			2028		-1000		-2800	500	1400	0	3400	2600	0	0	134000
614	G		4	ELLESMERE-LT.LFJ	J & Q			2029		-1000		-2800	500	1600	0	3800	2900	0	0	134000
615	G		4	ELLESMERE-LT.LFJ	J & Q			2030		-1000		-2800	500	1800	0	4100	3100	0	0	134000
616	G		4	ELLESMERE-LT.LFJ	J & Q			2031		-1000		-2800	500	2100	0	4400	3400	0	0	134000
617	G		4	ELLESMERE-LT.LFJ	J & Q			2032		-1000		-2800	500	2300	0	4600	3500	0	0	134000
618	G		4	ELLESMERE-LT.LFJ	J & Q			2033		-1000		-2800	500	2600	0	4900	3700	0	0	134000
619	G		4	ELLESMERE-LT.LFJ	J & Q			2034		-1000		-2800	500	2900	0	5100	3900	0	0	135000
620	G		4	ELLESMERE-LT.LFJ	J & Q			2035		-1000		-2800	500	3200	0	5300	4000	0	0	135000
621	G		4	ELLESMERE-LT.LFJ	J & Q			2036		-1000		-2800	500	3600	0	5400	4100	0	0	135000
622	G		4	ELLESMERE-LT.LFJ	J & Q			2037		-1000		-2800	500	3900	0	5500	4200	0	0	135000
623	G		4	ELLESMERE-LT.LFJ	J & Q			2038		-1000		-2800	500	4300	0	5600	4300	0	0	136000
624	G		4	ELLESMERE-LT.LFJ	J & Q			2039		-1000		-2800	500	4700	0	5700	4400	0	0	136000
625	G		4	ELLESMERE-LT.LFJ	J & Q			2040		0		-2400	300	7300	0	3700	5600	5400	0	138000
626	G		4	ELLESMERE-LT.LFJ	J & Q			2041		0		-2400	300	7900	0	3700	5700	5400	0	138000
627	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2017												41000
628	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2018												44000
629	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2019												45000
630	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2020												46000
631	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2021												47000
632	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2022												47000
633	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2023												48000
634	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2024												48000
635	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2025												48000
636	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2026												49000
637	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2027		-200		-1000	200	500	0	1000	900	0	0	49000
638	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2028		-200		-1000	200	600	0	1200	1000	0	0	49000
639	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2029		-200		-1000	200	600	0	1300	1100	0	0	49000
640	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2030		-200		-1000	200	700	0	1400	1200	0	0	49000
641	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2031		-200		-1000	200	800	0	1500	1200	0	0	49000
642	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2032		-200		-1000	200	900	0	1600	1300	0	0	49000
643	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2033		-200		-1000	200	1100	0	1700	1400	0	0	49000
644	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2034		0		-800	100	1400	12000	1100	1600	1600	0	49000
645	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2035		0		-800	100	1500	12400	1100	1700	1600	0	50000
646	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2036		0		-800	100	1700	12600	1100	1700	1600	0	50000
647	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2037		0		-800	100	1800	12900	1100	1700	1700	0	50000
648	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2038		0		-800	100	2000	13200	1200	1800	1700	0	50000
649	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2039		0		-800	100	2200	13300	1200	1800	1700	0	51000
650	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2040		0		-800	100	2400	14800	1200	1800	1800	0	51000
651	G		4	LEASIDE-LT.LFB	A1 & A2 (13.8 KV)			2041		0		-800	100	2600	15000	1200	1900	1800	0	51000
652	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2017												73000
653	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2018												77000
654	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2019												81000
655	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2020												84000
656	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2021												85000
657	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2022												86000
658	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2023												86000
659	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2024												86000
660	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2025												87000
661	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2026												87000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
662	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2027		-300		-1500	200	800	0	1700	1400	0	0	87000
663	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2028		-300		-1500	200	900	0	1900	1600	0	0	88000
664	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2029		-300		-1500	200	1000	0	2100	1700	0	0	88000
665	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2030		-300		-1500	200	1200	0	2300	1900	0	0	88000
666	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2031		-300		-1500	200	1300	0	2400	2000	0	0	88000
667	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2032		-300		-1500	200	1500	0	2500	2100	0	0	88000
668	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2033		-300		-1500	200	1700	0	2700	2200	0	0	88000
669	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2034		0		-1300	200	2200	19200	1700	2600	2500	0	88000
670	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2035		0		-1300	200	2400	19900	1800	2700	2600	0	89000
671	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2036		0		-1300	200	2700	20300	1800	2700	2600	0	89000
672	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2037		0		-1300	200	3000	20800	1800	2800	2700	0	90000
673	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2038		0		-1300	200	3200	21200	1900	2900	2700	0	91000
674	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2039		0		-1300	200	3500	21400	1900	2900	2800	0	91000
675	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2040		0		-1400	200	4200	0	2100	3200	3100	0	94000
676	G		4	LEASIDE-LT.LFB	B & Y (27.6 KV)			2041		0		-1400	200	4500	0	2100	3300	3100	0	95000
677	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2017												24000
678	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2018												30000
679	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2019												30000
680	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2020												30000
681	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2021												31000
682	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2022												31000
683	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2023												31000
684	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2024												31000
685	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2025												32000
686	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2026												32000
687	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2027		-100		-500	100	300	0	600	500	0	0	32000
688	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2028		-100		-500	100	300	0	700	500	0	0	32000
689	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2029		-100		-500	100	400	0	700	600	0	0	32000
690	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2030		-100		-500	100	400	0	800	600	0	0	32000
691	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2031		-100		-500	100	500	0	800	700	0	0	32000
692	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2032		-100		-500	100	500	0	900	700	0	0	32000
693	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2033		-100		-500	100	600	0	900	800	0	0	32000
694	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2034		0		-500	100	800	6600	600	900	900	0	32000
695	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2035		0		-500	100	800	6800	600	900	900	0	32000
696	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2036		0		-500	100	900	7000	600	900	900	0	32000
697	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2037		0		-500	100	1000	7100	600	1000	900	0	32000
698	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2038		0		-500	100	1100	7300	600	1000	900	0	33000
699	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2039		0		-500	100	1200	7300	600	1000	1000	0	33000
700	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2040		0		-500	100	1300	8200	700	1000	1000	0	33000
701	G		4	LEASIDE-LT.LFB	Q1 & Q2 (13.8 KV)			2041		0		-500	100	1400	8300	700	1000	1000	0	33000
702	G		4	SCARBORO-LT.LFJ	B & Y			2017												97000
703	G		4	SCARBORO-LT.LFJ	B & Y			2018												100000
704	G		4	SCARBORO-LT.LFJ	B & Y			2019												102000
705	G		4	SCARBORO-LT.LFJ	B & Y			2020												103000
706	G		4	SCARBORO-LT.LFJ	B & Y			2021												104000
707	G		4	SCARBORO-LT.LFJ	B & Y			2022												104000
708	G		4	SCARBORO-LT.LFJ	B & Y			2023												104000
709	G		4	SCARBORO-LT.LFJ	B & Y			2024												105000
710	G		4	SCARBORO-LT.LFJ	B & Y			2025												106000
711	G		4	SCARBORO-LT.LFJ	B & Y			2026												107000
712	G		4	SCARBORO-LT.LFJ	B & Y			2027		-600		-1800	300	700	0	1900	1500	0	0	107000
713	G		4	SCARBORO-LT.LFJ	B & Y			2028		-600		-1800	300	900	0	2200	1700	0	0	107000
714	G		4	SCARBORO-LT.LFJ	B & Y			2029		-600		-1800	300	1000	0	2400	1900	0	0	108000
715	G		4	SCARBORO-LT.LFJ	B & Y			2030		-600		-1800	300	1200	0	2600	2000	0	0	108000
716	G		4	SCARBORO-LT.LFJ	B & Y			2031		-600		-1800	300	1300	0	2800	2100	0	0	108000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
717	G		4	SCARBORO-LT.LFJ	B & Y			2032		0		-1600	300	2100	22800	1800	2800	2700	0	109000
718	G		4	SCARBORO-LT.LFJ	B & Y			2033		0		-1600	300	2400	23900	1900	3000	2900	0	110000
719	G		4	SCARBORO-LT.LFJ	B & Y			2034		0		-1600	300	2600	25100	2000	3100	3000	0	112000
720	G		4	SCARBORO-LT.LFJ	B & Y			2035		0		-1600	300	2900	25900	2100	3200	3100	0	113000
721	G		4	SCARBORO-LT.LFJ	B & Y			2036		0		-1600	300	3200	26500	2100	3300	3200	0	113000
722	G		4	SCARBORO-LT.LFJ	B & Y			2037		0		-1600	300	3500	27100	2200	3300	3200	0	114000
723	G		4	SCARBORO-LT.LFJ	B & Y			2038		0		-1600	300	3900	27600	2200	3400	3300	0	115000
724	G		4	SCARBORO-LT.LFJ	B & Y			2039		0		-1600	300	4200	27900	2300	3500	3300	0	115000
725	G		4	SCARBORO-LT.LFJ	B & Y			2040		0		-1600	300	4600	28500	2300	3500	3400	0	116000
726	G		4	SCARBORO-LT.LFJ	B & Y			2041		0		-1500	300	7800	26200	2400	3700	3500	0	117000
727	G		4	SCARBORO-LT.LFJ	J & Q			2017												103000
728	G		4	SCARBORO-LT.LFJ	J & Q			2018												104000
729	G		4	SCARBORO-LT.LFJ	J & Q			2019												105000
730	G		4	SCARBORO-LT.LFJ	J & Q			2020												106000
731	G		4	SCARBORO-LT.LFJ	J & Q			2021												107000
732	G		4	SCARBORO-LT.LFJ	J & Q			2022												108000
733	G		4	SCARBORO-LT.LFJ	J & Q			2023												109000
734	G		4	SCARBORO-LT.LFJ	J & Q			2024												109000
735	G		4	SCARBORO-LT.LFJ	J & Q			2025												110000
736	G		4	SCARBORO-LT.LFJ	J & Q			2026												111000
737	G		4	SCARBORO-LT.LFJ	J & Q			2027		-800		-2300	400	900	0	2400	1900	0	0	111000
738	G		4	SCARBORO-LT.LFJ	J & Q			2028		-800		-2300	400	1100	0	2800	2100	0	0	111000
739	G		4	SCARBORO-LT.LFJ	J & Q			2029		-800		-2300	400	1300	0	3100	2400	0	0	111000
740	G		4	SCARBORO-LT.LFJ	J & Q			2030		-800		-2300	400	1500	0	3300	2500	0	0	111000
741	G		4	SCARBORO-LT.LFJ	J & Q			2031		-800		-2300	400	1700	0	3500	2700	0	0	111000
742	G		4	SCARBORO-LT.LFJ	J & Q			2032		0		-2000	400	2700	28900	2300	3600	3400	0	112000
743	G		4	SCARBORO-LT.LFJ	J & Q			2033		0		-2000	400	3000	30300	2500	3800	3600	0	114000
744	G		4	SCARBORO-LT.LFJ	J & Q			2034		0		-2000	400	3300	31800	2600	3900	3800	0	115000
745	G		4	SCARBORO-LT.LFJ	J & Q			2035		0		-2000	400	3700	32900	2700	4100	3900	0	117000
746	G		4	SCARBORO-LT.LFJ	J & Q			2036		0		-2000	400	4100	33600	2700	4100	4000	0	117000
747	G		4	SCARBORO-LT.LFJ	J & Q			2037		0		-2000	400	4500	34300	2800	4200	4100	0	118000
748	G		4	SCARBORO-LT.LFJ	J & Q			2038		0		-2000	400	4900	35100	2800	4300	4200	0	119000
749	G		4	SCARBORO-LT.LFJ	J & Q			2039		0		-2000	400	5300	35400	2900	4400	4200	0	119000
750	G		4	SCARBORO-LT.LFJ	J & Q			2040		0		-2000	400	5800	36100	2900	4500	4300	0	120000
751	G		4	SCARBORO-LT.LFJ	J & Q			2041		0		-1900	400	9900	33200	3000	4700	4400	0	121000
752	G		4	SHEPPARD-LT.LFK	B & Y			2017												83000
753	G		4	SHEPPARD-LT.LFK	B & Y			2018												86000
754	G		4	SHEPPARD-LT.LFK	B & Y			2019												88000
755	G		4	SHEPPARD-LT.LFK	B & Y			2020												90000
756	G		4	SHEPPARD-LT.LFK	B & Y			2021												91000
757	G		4	SHEPPARD-LT.LFK	B & Y			2022												91000
758	G		4	SHEPPARD-LT.LFK	B & Y			2023												92000
759	G		4	SHEPPARD-LT.LFK	B & Y			2024												93000
760	G		4	SHEPPARD-LT.LFK	B & Y			2025												94000
761	G		4	SHEPPARD-LT.LFK	B & Y			2026												94000
762	G		4	SHEPPARD-LT.LFK	B & Y			2027		-300		-1500	200	700	0	1600	1300	0	0	94000
763	G		4	SHEPPARD-LT.LFK	B & Y			2028		0		-1400	200	1100	13700	1200	1800	1800	0	96000
764	G		4	SHEPPARD-LT.LFK	B & Y			2029		0		-1400	200	1300	15100	1300	2000	2000	0	98000
765	G		4	SHEPPARD-LT.LFK	B & Y			2030		0		-1400	200	1400	16300	1400	2200	2100	0	99000
766	G		4	SHEPPARD-LT.LFK	B & Y			2031		0		-1400	200	1600	17500	1500	2400	2300	0	100000
767	G		4	SHEPPARD-LT.LFK	B & Y			2032		0		-1400	200	1900	18400	1600	2500	2400	0	102000
768	G		4	SHEPPARD-LT.LFK	B & Y			2033		0		-1400	200	2100	19300	1700	2600	2500	0	103000
769	G		4	SHEPPARD-LT.LFK	B & Y			2034		0		-1400	200	2300	20300	1800	2700	2600	0	104000
770	G		4	SHEPPARD-LT.LFK	B & Y			2035		0		-1400	200	2600	21000	1900	2800	2700	0	105000
771	G		4	SHEPPARD-LT.LFK	B & Y			2036		0		-1400	200	3500	21800	1900	3000	2800	0	106000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
772	G		4	SHEPPARD-LT.LFK	B & Y			2037		0		-1400	200	3900	22300	1900	3100	2900	0	107000
773	G		4	SHEPPARD-LT.LFK	B & Y			2038		0		-1400	200	4200	22800	2000	3100	2900	0	107000
774	G		4	SHEPPARD-LT.LFK	B & Y			2039		0		-1400	200	4600	23000	2000	3200	2900	0	108000
775	G		4	SHEPPARD-LT.LFK	B & Y			2040		0		-1400	200	5000	23500	2100	3200	3000	0	109000
776	G		4	SHEPPARD-LT.LFK	B & Y			2041		0		-1400	200	5400	23700	2100	3300	3000	0	109000
777	G		4	SHEPPARD-LT.LFK	J & Q			2017												55000
778	G		4	SHEPPARD-LT.LFK	J & Q			2018												55000
779	G		4	SHEPPARD-LT.LFK	J & Q			2019												56000
780	G		4	SHEPPARD-LT.LFK	J & Q			2020												56000
781	G		4	SHEPPARD-LT.LFK	J & Q			2021												57000
782	G		4	SHEPPARD-LT.LFK	J & Q			2022												57000
783	G		4	SHEPPARD-LT.LFK	J & Q			2023												58000
784	G		4	SHEPPARD-LT.LFK	J & Q			2024												58000
785	G		4	SHEPPARD-LT.LFK	J & Q			2025												59000
786	G		4	SHEPPARD-LT.LFK	J & Q			2026												59000
787	G		4	SHEPPARD-LT.LFK	J & Q			2027		-200		-1000	200	500	0	1100	900	0	0	59000
788	G		4	SHEPPARD-LT.LFK	J & Q			2028		0		-1000	200	700	9300	800	1200	1200	0	60000
789	G		4	SHEPPARD-LT.LFK	J & Q			2029		0		-1000	200	900	10200	900	1400	1300	0	61000
790	G		4	SHEPPARD-LT.LFK	J & Q			2030		0		-1000	200	1000	11000	1000	1500	1400	0	62000
791	G		4	SHEPPARD-LT.LFK	J & Q			2031		0		-1000	200	1100	11800	1000	1600	1500	0	63000
792	G		4	SHEPPARD-LT.LFK	J & Q			2032		0		-1000	200	1300	12400	1100	1700	1600	0	64000
793	G		4	SHEPPARD-LT.LFK	J & Q			2033		0		-1000	200	1400	13100	1200	1800	1700	0	64000
794	G		4	SHEPPARD-LT.LFK	J & Q			2034		0		-1000	200	1600	13700	1200	1800	1800	0	65000
795	G		4	SHEPPARD-LT.LFK	J & Q			2035		0		-1000	200	1700	14200	1300	1900	1800	0	66000
796	G		4	SHEPPARD-LT.LFK	J & Q			2036		0		-900	200	2400	14700	1300	2000	1900	0	66000
797	G		4	SHEPPARD-LT.LFK	J & Q			2037		0		-900	200	2600	15100	1300	2100	1900	0	67000
798	G		4	SHEPPARD-LT.LFK	J & Q			2038		0		-900	200	2800	15400	1300	2100	2000	0	67000
799	G		4	SHEPPARD-LT.LFK	J & Q			2039		0		-900	200	3100	15500	1400	2100	2000	0	67000
800	G		4	SHEPPARD-LT.LFK	J & Q			2040		0		-900	200	3400	15900	1400	2200	2000	0	68000
801	G		4	SHEPPARD-LT.LFK	J & Q			2041		0		-900	200	3600	16000	1400	2200	2000	0	68000
802	G		4	WARDEN-LT.LFJ	J & Q			2017												102000
803	G		4	WARDEN-LT.LFJ	J & Q			2018												106000
804	G		4	WARDEN-LT.LFJ	J & Q			2019												108000
805	G		4	WARDEN-LT.LFJ	J & Q			2020												109000
806	G		4	WARDEN-LT.LFJ	J & Q			2021												110000
807	G		4	WARDEN-LT.LFJ	J & Q			2022												111000
808	G		4	WARDEN-LT.LFJ	J & Q			2023												112000
809	G		4	WARDEN-LT.LFJ	J & Q			2024												113000
810	G		4	WARDEN-LT.LFJ	J & Q			2025												113000
811	G		4	WARDEN-LT.LFJ	J & Q			2026												113000
812	G		4	WARDEN-LT.LFJ	J & Q			2027		0		-2500	400	1600	21200	1900	2900	2700	0	117000
813	G		4	WARDEN-LT.LFJ	J & Q			2028		0		-2500	400	1900	24200	2100	3200	3100	0	120000
814	G		4	WARDEN-LT.LFJ	J & Q			2029		0		-2500	400	2200	26700	2400	3600	3400	0	122000
815	G		4	WARDEN-LT.LFJ	J & Q			2030		0		-2500	400	2500	28700	2500	3900	3700	0	124000
816	G		4	WARDEN-LT.LFJ	J & Q			2031		0		-2500	400	2900	33800	2700	4200	4000	0	126000
817	G		4	WARDEN-LT.LFJ	J & Q			2032		0		-2500	400	3300	35600	2900	4400	4200	0	127000
818	G		4	WARDEN-LT.LFJ	J & Q			2033		0		-2500	400	3700	37400	3000	4600	4500	0	129000
819	G		4	WARDEN-LT.LFJ	J & Q			2034		0		-2500	400	4100	39200	3200	4800	4700	0	131000
820	G		4	WARDEN-LT.LFJ	J & Q			2035		0		-2500	400	4600	40500	3300	5000	4800	0	132000
821	G		4	WARDEN-LT.LFJ	J & Q			2036		0		-2500	400	5000	41400	3400	5100	4900	0	133000
822	G		4	WARDEN-LT.LFJ	J & Q			2037		0		-2500	400	5500	42300	3400	5200	5000	0	134000
823	G		4	WARDEN-LT.LFJ	J & Q			2038		0		-2500	400	6000	43200	3500	5300	5100	0	135000
824	G		4	WARDEN-LT.LFJ	J & Q			2039		0		-2500	400	6600	43600	3500	5400	5200	0	135000
825	G		4	WARDEN-LT.LFJ	J & Q			2040		0		-2500	400	7100	44500	3600	5500	5300	0	136000
826	G		4	WARDEN-LT.LFJ	J & Q			2041		0		-2500	400	7700	45000	3600	5600	5300	0	136000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
827	G		5	FAIRBANK-LT.TT1_LF	B & Q			2017												58000
828	G		5	FAIRBANK-LT.TT1_LF	B & Q			2018												60000
829	G		5	FAIRBANK-LT.TT1_LF	B & Q			2019												51000
830	G		5	FAIRBANK-LT.TT1_LF	B & Q			2020												55000
831	G		5	FAIRBANK-LT.TT1_LF	B & Q			2021												58000
832	G		5	FAIRBANK-LT.TT1_LF	B & Q			2022												61000
833	G		5	FAIRBANK-LT.TT1_LF	B & Q			2023												64000
834	G		5	FAIRBANK-LT.TT1_LF	B & Q			2024												65000
835	G		5	FAIRBANK-LT.TT1_LF	B & Q			2025												65000
836	G		5	FAIRBANK-LT.TT1_LF	B & Q			2026												66000
837	G		5	FAIRBANK-LT.TT1_LF	B & Q			2027		-500		-1800	300	800	0	2000	1500	0	0	66000
838	G		5	FAIRBANK-LT.TT1_LF	B & Q			2028		-500		-1800	300	900	0	2200	1700	0	0	67000
839	G		5	FAIRBANK-LT.TT1_LF	B & Q			2029		-500		-1800	300	1000	0	2500	1900	0	0	67000
840	G		5	FAIRBANK-LT.TT1_LF	B & Q			2030		-500		-1800	300	1200	0	2700	2000	0	0	67000
841	G		5	FAIRBANK-LT.TT1_LF	B & Q			2031		-500		-1800	300	1300	0	2900	2200	0	0	68000
842	G		5	FAIRBANK-LT.TT1_LF	B & Q			2032		-500		-1800	300	1500	0	3000	2300	0	0	68000
843	G		5	FAIRBANK-LT.TT1_LF	B & Q			2033		-500		-1800	300	1700	0	3200	2400	0	0	68000
844	G		5	FAIRBANK-LT.TT1_LF	B & Q			2034		-500		-1800	300	1900	0	3300	2600	0	0	69000
845	G		5	FAIRBANK-LT.TT1_LF	B & Q			2035		-500		-1800	300	2100	0	3400	2600	0	0	69000
846	G		5	FAIRBANK-LT.TT1_LF	B & Q			2036		-500		-1800	300	2300	0	3500	2700	0	0	70000
847	G		5	FAIRBANK-LT.TT1_LF	B & Q			2037		-500		-1800	300	2600	0	3600	2800	0	0	70000
848	G		5	FAIRBANK-LT.TT1_LF	B & Q			2038		-500		-1800	300	2800	0	3700	2800	0	0	70000
849	G		5	FAIRBANK-LT.TT1_LF	B & Q			2039		-500		-1800	300	3000	0	3700	2800	0	0	71000
850	G		5	FAIRBANK-LT.TT1_LF	B & Q			2040		-500		-1800	300	3300	0	3800	2900	0	0	71000
851	G		5	FAIRBANK-LT.TT1_LF	B & Q			2041		-500		-1800	300	3600	0	3800	2900	0	0	71000
852	G		5	FAIRBANK-LT.TT1_LF	Y & Z			2017												77000
853	G		5	FAIRBANK-LT.TT1_LF	Y & Z			2018												81000
854	G		5																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
882	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2022												66000
883	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2023												67000
884	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2024												67000
885	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2025												68000
886	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2026												68000
887	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2027		-300		-2200	300	1100	0	2300	1900	0	0	68000
888	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2028		-300		-2200	300	1300	0	2700	2200	0	0	68000
889	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2029		-300		-2200	300	1500	0	3000	2400	0	0	69000
890	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2030		-300		-2200	300	1700	0	3200	2600	0	0	69000
891	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2031		-300		-2200	300	1900	0	3400	2800	0	0	69000
892	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2032		-300		-2200	300	2100	0	3600	3000	0	0	70000
893	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2033		0		-2000	400	3000	27900	2500	3800	2900	0	70000
894	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2034		0		-2000	400	3400	29300	2600	3900	3000	0	72000
895	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2035		0		-2000	400	3700	30300	2700	4100	3100	0	72000
896	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2036		0		-2000	400	4100	31000	2700	4200	3200	0	73000
897	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2037		0		-2000	400	4500	31600	2800	4300	3300	0	73000
898	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2038		0		-2000	300	6100	33000	2900	4500	3400	0	74000
899	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2039		0		-2000	300	6600	33300	2900	4600	3400	0	74000
900	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2040		0		-2000	300	7200	34000	3000	4600	3500	0	75000
901	G		5	RUNNYMEDE-LT.T3_LF	B & Y			2041		0		-2000	300	7800	34300	3000	4700	3500	0	75000
902	G		5	RUNNYMEDE-LT.T3_LF	NEW			2017												0
903	G		5	RUNNYMEDE-LT.T3_LF	NEW			2018												0
904	G		5	RUNNYMEDE-LT.T3_LF	NEW			2019												73000
905	G		5	RUNNYMEDE-LT.T3_LF	NEW			2020												77000
906	G		5	RUNNYMEDE-LT.T3_LF	NEW			2021												77000
907	G		5	RUNNYMEDE-LT.T3_LF	NEW			2022												77000
908	G		5	RUNNYMEDE-LT.T3_LF	NEW			2023												79000
909	G		5	RUNNYMEDE-LT.T3_LF</																

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
937	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2027		0		-300	100	200	0	400	300	0	0	11000
938	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2028		0		-300	100	200	0	400	400	0	0	11000
939	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2029		0		-300	100	200	0	500	400	0	0	11000
940	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2030		0		-300	100	300	0	500	400	0	0	11000
941	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2031		0		-300	100	400	4100	400	500	400	0	11000
942	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2032		0		-300	100	400	4300	400	600	400	0	11000
943	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2033		0		-400	0	300	6900	700	800	-900	0	11000
944	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2034		0		-400	0	400	7200	700	800	-900	0	12000
945	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2035		0		-400	0	400	7400	800	900	-1000	0	12000
946	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2036		0		-400	0	500	7600	800	900	-1000	0	12000
947	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2037		0		-400	0	500	7800	800	900	-1000	0	12000
948	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2038		0		-400	0	500	7900	800	900	-1000	0	12000
949	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2039		0		-400	0	600	8000	800	900	-1000	0	12000
950	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2040		0		-400	0	600	8200	800	900	-1100	0	12000
951	G		5	WILTSHIRE-LT.TT1_LF	A11-12 (Formerly A1-2)			2041		0		-400	0	700	8200	800	900	-1100	0	13000
952	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2017												18000
953	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2018												18000
954	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2019												19000
955	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2020												19000
956	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2021												19000
957	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2022												19000
958	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2023												19000
959	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2024												19000
960	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2025												19000
961	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2026												20000
962	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2027		-100		-400	100	200	0	400	300	0	0	20000
963	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2028		-100		-400	100	200	0	400	400	0	0	20000
964	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2029		-100		-400	100	200	0	500	400	0	0	20000
965	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2030		-100		-400	100	300	0	500	400	0	0	20000
966	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2031		0		-300	100	400	4200	400	600	400	0	20000
967	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2032		0		-300	100	400	4400	400	600	500	0	21000
968	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2033		0		-400	0	300	7100	700	800	-900	0	21000
969	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2034		0		-400	0	400	7500	800	900	-1000	0	22000
970	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2035		0		-400	0	400	7700	800	900	-1000	0	22000
971	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2036		0		-400	0	500	7900	800	900	-1000	0	22000
972	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2037		0		-400	0	500	8100	800	900	-1000	0	22000
973	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2038		0		-400	0	600	8200	800	900	-1100	0	23000
974	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2039		0		-400	0	600	8300	800	1000	-1100	0	23000
975	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2040		0		-400	0	700	8500	900	1000	-1100	0	23000
976	G		5	WILTSHIRE-LT.TT1_LF	A3-4			2041		0		-400	0	700	8500	900	1000	-1100	0	23000
977	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2017												26000
978	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2018												23000
979	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2019												41000
980	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2020												42000
981	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2021												42000
982	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2022												43000
983	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2023												43000
984	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2024												43000
985	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2025												44000
986	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2026												44000
987	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2027		-100		-400	100	200	0	500	400	0	0	45000
988	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2028		-100		-400	100	300	0	500	400	0	0	45000
989	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2029		-100		-400	100	300	0	600	500	0	0	45000
990	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2030		-100		-400	100	300	0	600	500	0	0	45000
991	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2031		0		-400	100	500	5200	500	700	500	0	45000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
992	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2032		0		-400	100	600	5500	500	700	600	0	46000
993	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2033		0		-500	0	400	8800	900	1000	-1100	0	47000
994	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2034		0		-500	0	500	9200	900	1100	-1200	0	48000
995	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2035		0		-500	0	500	9500	1000	1100	-1200	0	49000
996	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2036		0		-500	0	600	9700	1000	1100	-1300	0	49000
997	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2037		0		-500	0	600	10000	1000	1100	-1300	0	50000
998	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2038		0		-500	0	700	10200	1000	1200	-1300	0	50000
999	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2039		0		-500	0	800	10300	1000	1200	-1300	0	50000
1000	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2040		0		-500	0	800	10500	1100	1200	-1400	0	51000
1001	G		5	WILTSHIRE-LT.TT1_LF	A5-6			2041		0		-500	0	900	10600	1100	1200	-1400	0	51000
1002	G		6	DUPLEX-LT.T1_LF	A1-2			2017												28000
1003	G		6	DUPLEX-LT.T1_LF	A1-2			2018												32000
1004	G		6	DUPLEX-LT.T1_LF	A1-2			2019												32000
1005	G		6	DUPLEX-LT.T1_LF	A1-2			2020												33000
1006	G		6	DUPLEX-LT.T1_LF	A1-2			2021												33000
1007	G		6	DUPLEX-LT.T1_LF	A1-2			2022												34000
1008	G		6	DUPLEX-LT.T1_LF	A1-2			2023												34000
1009	G		6	DUPLEX-LT.T1_LF	A1-2			2024												34000
1010	G		6	DUPLEX-LT.T1_LF	A1-2			2025												35000
1011	G		6	DUPLEX-LT.T1_LF	A1-2			2026												35000
1012	G		6	DUPLEX-LT.T1_LF	A1-2			2027		-100		-600	100	300	0	700	500	0	0	35000
1013	G		6	DUPLEX-LT.T1_LF	A1-2			2028		-100		-600	100	300	0	700	600	0	0	36000
1014	G		6	DUPLEX-LT.T1_LF	A1-2			2029		0		-500	100	500	5500	500	700	900	0	36000
1015	G		6	DUPLEX-LT.T1_LF	A1-2			2030		0		-500	100	500	5900	500	800	1000	0	37000
1016	G		6	DUPLEX-LT.T1_LF	A1-2			2031		0		-500	100	600	6300	600	900	1000	0	37000
1017	G		6	DUPLEX-LT.T1_LF	A1-2			2032		0		-500	100	700	6700	600	900	1100	0	38000
1018	G		6	DUPLEX-LT.T1_LF	A1-2			2033		0		-500	100	800	7000	600	900	1100	0	38000
1019	G		6	DUPLEX-LT.T1_LF	A1-2			2034		0		-500	100	800	7300	600	1000	1200	0	39000
1020	G		6	DUPLEX-LT.T1_LF	A1-2			2035		0		-500	100	900	7600	700	1000	1200	0	39000
1021	G		6	DUPLEX-LT.T1_LF	A1-2			2036		0		-500	100	1000	7700	700	1000	1300	0	40000
1022	G		6	DUPLEX-LT.T1_LF	A1-2			2037		0		-500	100	1100	7900	700	1100	1300	0	40000
1023	G		6	DUPLEX-LT.T1_LF	A1-2			2038		0		-500	100	1200	8000	700	1100	1300	0	40000
1024	G		6	DUPLEX-LT.T1_LF	A1-2			2039		0		-500	100	1300	8100	700	1100	1300	0	40000
1025	G		6	DUPLEX-LT.T1_LF	A1-2			2040		0		-500	100	1400	8300	700	1100	1300	0	41000
1026	G		6	DUPLEX-LT.T1_LF	A1-2			2041		0		-500	100	1600	8300	700	1100	1400	0	41000
1027	G		6	DUPLEX-LT.T1_LF	A3-4			2017												28000
1028	G		6	DUPLEX-LT.T1_LF	A3-4			2018												31000
1029	G		6	DUPLEX-LT.T1_LF	A3-4			2019												32000
1030	G		6	DUPLEX-LT.T1_LF	A3-4			2020												32000
1031	G		6	DUPLEX-LT.T1_LF	A3-4			2021												32000
1032	G		6	DUPLEX-LT.T1_LF	A3-4			2022												32000
1033	G		6	DUPLEX-LT.T1_LF	A3-4			2023												32000
1034	G		6	DUPLEX-LT.T1_LF	A3-4			2024												32000
1035	G		6	DUPLEX-LT.T1_LF	A3-4			2025												32000
1036	G		6	DUPLEX-LT.T1_LF	A3-4			2026												33000
1037	G		6	DUPLEX-LT.T1_LF	A3-4			2027		-100		-500	100	200	0	500	400	0	0	34000
1038	G		6	DUPLEX-LT.T1_LF	A3-4			2028		-100		-500	100	200	0	600	500	0	0	34000
1039	G		6	DUPLEX-LT.T1_LF	A3-4			2029		0		-400	100	400	4400	400	600	700	0	34000
1040	G		6	DUPLEX-LT.T1_LF	A3-4			2030		0		-400	100	400	4700	400	600	800	0	35000
1041	G		6	DUPLEX-LT.T1_LF	A3-4			2031		0		-400	100	500	5100	400	700	800	0	35000
1042	G		6	DUPLEX-LT.T1_LF	A3-4			2032		0		-400	100	500	5300	500	700	900	0	36000
1043	G		6	DUPLEX-LT.T1_LF	A3-4			2033		0		-400	100	600	5600	500	800	900	0	36000
1044	G		6	DUPLEX-LT.T1_LF	A3-4			2034		0		-400	100	700	5900	500	800	1000	0	37000
1045	G		6	DUPLEX-LT.T1_LF	A3-4			2035		0		-400	100	700	6100	500	800	1000	0	37000
1046	G		6	DUPLEX-LT.T1_LF	A3-4			2036		0		-400	100	800	6200	500	800	1000	0	38000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
1047	G		6	DUPLEX-LT.T1_LF	A3-4			2037		0		-400	100	900	6300	600	900	1000	0	38000
1048	G		6	DUPLEX-LT.T1_LF	A3-4			2038		0		-400	100	1000	6400	600	900	1100	0	38000
1049	G		6	DUPLEX-LT.T1_LF	A3-4			2039		0		-400	100	1100	6500	600	900	1100	0	38000
1050	G		6	DUPLEX-LT.T1_LF	A3-4			2040		0		-400	100	1200	6600	600	900	1100	0	39000
1051	G		6	DUPLEX-LT.T1_LF	A3-4			2041		0		-400	100	1300	6700	600	900	1100	0	39000
1052	G		6	DUPLEX-LT.T1_LF	A5-6			2017												33000
1053	G		6	DUPLEX-LT.T1_LF	A5-6			2018												36000
1054	G		6	DUPLEX-LT.T1_LF	A5-6			2019												37000
1055	G		6	DUPLEX-LT.T1_LF	A5-6			2020												35000
1056	G		6	DUPLEX-LT.T1_LF	A5-6			2021												33000
1057	G		6	DUPLEX-LT.T1_LF	A5-6			2022												31000
1058	G		6	DUPLEX-LT.T1_LF	A5-6			2023												28000
1059	G		6	DUPLEX-LT.T1_LF	A5-6			2024												28000
1060	G		6	DUPLEX-LT.T1_LF	A5-6			2025												29000
1061	G		6	DUPLEX-LT.T1_LF	A5-6			2026												29000
1062	G		6	DUPLEX-LT.T1_LF	A5-6			2027		-100		-700	100	300	0	700	500	0	0	29000
1063	G		6	DUPLEX-LT.T1_LF	A5-6			2028		-100		-700	100	300	0	800	600	0	0	29000
1064	G		6	DUPLEX-LT.T1_LF	A5-6			2029		0		-600	100	500	5900	500	800	1000	0	30000
1065	G		6	DUPLEX-LT.T1_LF	A5-6			2030		0		-600	100	600	6400	600	900	1100	0	30000
1066	G		6	DUPLEX-LT.T1_LF	A5-6			2031		0		-600	100	600	6900	600	900	1100	0	31000
1067	G		6	DUPLEX-LT.T1_LF	A5-6			2032		0		-600	100	700	7300	600	1000	1200	0	31000
1068	G		6	DUPLEX-LT.T1_LF	A5-6			2033		0		-600	100	800	7600	700	1000	1200	0	31000
1069	G		6	DUPLEX-LT.T1_LF	A5-6			2034		0		-600	100	900	8000	700	1100	1300	0	32000
1070	G		6	DUPLEX-LT.T1_LF	A5-6			2035		0		-600	100	1000	8200	700	1100	1300	0	32000
1071	G		6	DUPLEX-LT.T1_LF	A5-6			2036		0		-600	100	1100	8400	700	1100	1400	0	33000
1072	G		6	DUPLEX-LT.T1_LF	A5-6			2037		0		-600	100	1200	8600	800	1200	1400	0	33000
1073	G		6	DUPLEX-LT.T1_LF	A5-6			2038		0		-600	100	1300	8800	800	1200	1400	0	33000
1074	G		6	DUPLEX-LT.T1_LF	A5-6			2039		0		-600	100	1500	8800	800	1200	1400	0	33000
1075	G		6	DUPLEX-LT.T1_LF	A5-6			2040		0		-600	100	1600	9000	800	1200	1500	0	33000
1076	G		6	DUPLEX-LT.T1_LF	A5-6			2041		0		-600	100	1700	9100	800	1200	1500	0	34000
1077	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2017												19000
1078	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2018												17000
1079	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2019												18000
1080	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2020												18000
1081	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2021												19000
1082	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2022												19000
1083	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2023												19000
1084	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2024												19000
1085	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2025												19000
1086	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2026												19000
1087	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2027		0		-500	100	300	3900	300	500	600	0	19000
1088	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2028		0		-500	100	400	4500	400	600	700	0	20000
1089	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2029		0		-500	100	400	4900	400	700	800	0	20000
1090	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2030		0		-500	100	500	5300	500	700	900	0	21000
1091	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2031		0		-500	100	500	5700	500	800	900	0	21000
1092	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2032		0		-500	100	600	6000	500	800	1000	0	21000
1093	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2033		0		-500	100	700	6300	600	900	1000	0	22000
1094	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2034		0		-500	100	800	6600	600	900	1100	0	22000
1095	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2035		0		-500	100	800	6800	600	900	1100	0	22000
1096	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2036		0		-500	100	900	7000	600	900	1100	0	22000
1097	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2037		0		-500	100	1000	7100	600	1000	1200	0	22000
1098	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2038		0		-500	100	1100	7300	600	1000	1200	0	23000
1099	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2039		0		-500	100	1200	7300	600	1000	1200	0	23000
1100	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2040		0		-500	100	1300	7500	700	1000	1200	0	23000
1101	G		6	GLENGROVE-LT.TT1_LF	A3-4 (formerly A1-2)			2041		0		-500	100	1400	7500	700	1000	1200	0	23000

[illegible]

[illegible]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
1212	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2027		-100		-900	100	400	0	900	700	0	0	51000
1213	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2028		-100		-900	100	400	0	1100	800	0	0	51000
1214	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2029		-100		-900	100	500	0	1200	900	0	0	51000
1215	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2030		0		-700	100	700	8400	700	1100	1600	0	52000
1216	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2031		0		-700	100	800	9000	800	1200	1700	0	53000
1217	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2032		0		-700	100	1000	9500	800	1300	1800	0	54000
1218	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2033		0		-700	100	1100	10000	900	1400	1900	0	55000
1219	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2034		0		-700	100	1200	10500	900	1400	2000	0	55000
1220	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2035		0		-700	100	1300	10900	1000	1500	2100	0	56000
1221	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2036		0		-700	100	1500	11100	1000	1500	2100	0	56000
1222	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2037		0		-700	100	1600	12500	1000	1500	2200	0	57000
1223	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2038		0		-700	100	1800	12700	1000	1600	2200	0	57000
1224	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2039		0		-700	100	1900	12800	1000	1600	2200	0	58000
1225	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2040		0		-700	100	2100	13100	1100	1600	2300	0	58000
1226	G		7	BRIDGMAN-LT.TT1_LF	A7-8H			2041		0		-700	100	2300	13200	1100	1600	2300	0	59000
1227	G		7	DUFFERIN-LT.T1_LF	A1-2			2017												29000
1228	G		7	DUFFERIN-LT.T1_LF	A1-2			2018												29000
1229	G		7	DUFFERIN-LT.T1_LF	A1-2			2019												29000
1230	G		7	DUFFERIN-LT.T1_LF	A1-2			2020												29000
1231	G		7	DUFFERIN-LT.T1_LF	A1-2			2021												30000
1232	G		7	DUFFERIN-LT.T1_LF	A1-2			2022												30000
1233	G		7	DUFFERIN-LT.T1_LF	A1-2			2023												30000
1234	G		7	DUFFERIN-LT.T1_LF	A1-2			2024												30000
1235	G		7	DUFFERIN-LT.T1_LF	A1-2			2025												30000
1236	G		7	DUFFERIN-LT.T1_LF	A1-2			2026												31000
1237	G		7	DUFFERIN-LT.T1_LF	A1-2			2027		0		-500	100	300	4400	400	600	900	0	32000
1238	G		7	DUFFERIN-LT.T1_LF	A1-2			2028		0		-500	100	400	5100	400	700	1000	0	32000
1239	G		7	DUFFERIN-LT.T1_LF	A1-2			2029		0		-500	100	500	5600	500	800	1100	0	33000
1240	G		7	DUFFERIN-LT.T1_LF	A1-2			2030		0		-500	100	500	6100	500	800	1200	0	34000
1241	G		7	DUFFERIN-LT.T1_LF	A1-2			2031		0		-500	100	600	6500	600	900	1200	0	34000
1242	G		7	DUFFERIN-LT.T1_LF	A1-2			2032		0		-500	100	700	6900	600	900	1300	0	35000
1243	G		7	DUFFERIN-LT.T1_LF	A1-2			2033		0		-500	100	800	7200	600	1000	1400	0	35000
1244	G		7	DUFFERIN-LT.T1_LF	A1-2			2034		0		-500	100	900	7600	700	1000	1400	0	36000
1245	G		7	DUFFERIN-LT.T1_LF	A1-2			2035		0		-500	100	1000	7900	700	1100	1500	0	36000
1246	G		7	DUFFERIN-LT.T1_LF	A1-2			2036		0		-500	100	1100	8100	700	1100	1500	0	36000
1247	G		7	DUFFERIN-LT.T1_LF	A1-2			2037		0		-500	100	1200	8200	700	1100	1600	0	37000
1248	G		7	DUFFERIN-LT.T1_LF	A1-2			2038		0		-500	100	1300	8400	700	1100	1600	0	37000
1249	G		7	DUFFERIN-LT.T1_LF	A1-2			2039		0		-500	100	1400	8500	700	1100	1600	0	37000
1250	G		7	DUFFERIN-LT.T1_LF	A1-2			2040		0		-500	100	1500	8600	800	1200	1600	0	37000
1251	G		7	DUFFERIN-LT.T1_LF	A1-2			2041		0		-500	100	1600	8700	800	1200	1600	0	38000
1252	G		7	DUFFERIN-LT.T1_LF	A3-4			2017												26000
1253	G		7	DUFFERIN-LT.T1_LF	A3-4			2018												27000
1254	G		7	DUFFERIN-LT.T1_LF	A3-4			2019												27000
1255	G		7	DUFFERIN-LT.T1_LF	A3-4			2020												28000
1256	G		7	DUFFERIN-LT.T1_LF	A3-4			2021												28000
1257	G		7	DUFFERIN-LT.T1_LF	A3-4			2022												28000
1258	G		7	DUFFERIN-LT.T1_LF	A3-4			2023												28000
1259	G		7	DUFFERIN-LT.T1_LF	A3-4			2024												29000
1260	G		7	DUFFERIN-LT.T1_LF	A3-4			2025												29000
1261	G		7	DUFFERIN-LT.T1_LF	A3-4			2026												29000
1262	G		7	DUFFERIN-LT.T1_LF	A3-4			2027		0		-300	0	200	2700	200	400	500	0	30000
1263	G		7	DUFFERIN-LT.T1_LF	A3-4			2028		0		-300	0	200	3100	300	400	600	0	30000
1264	G		7	DUFFERIN-LT.T1_LF	A3-4			2029		0		-300	0	300	3400	300	500	700	0	31000
1265	G		7	DUFFERIN-LT.T1_LF	A3-4			2030		0		-300	0	300	3700	300	500	700	0	32000
1266	G		7	DUFFERIN-LT.T1_LF	A3-4			2031		0		-300	0	400	4000	400	500	800	0	32000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
1267	G		7	DUFFERIN-LT.T1_LF	A3-4			2032		0		-300	0	400	4200	400	600	800	0	33000
1268	G		7	DUFFERIN-LT.T1_LF	A3-4			2033		0		-300	0	500	4400	400	600	800	0	33000
1269	G		7	DUFFERIN-LT.T1_LF	A3-4			2034		0		-300	0	500	4600	400	600	900	0	34000
1270	G		7	DUFFERIN-LT.T1_LF	A3-4			2035		0		-300	0	600	4800	400	600	900	0	34000
1271	G		7	DUFFERIN-LT.T1_LF	A3-4			2036		0		-300	0	600	4900	400	700	900	0	34000
1272	G		7	DUFFERIN-LT.T1_LF	A3-4			2037		0		-300	0	700	5000	400	700	900	0	35000
1273	G		7	DUFFERIN-LT.T1_LF	A3-4			2038		0		-300	0	800	5100	500	700	1000	0	35000
1274	G		7	DUFFERIN-LT.T1_LF	A3-4			2039		0		-300	0	800	5200	500	700	1000	0	35000
1275	G		7	DUFFERIN-LT.T1_LF	A3-4			2040		0		-300	0	900	5300	500	700	1000	0	35000
1276	G		7	DUFFERIN-LT.T1_LF	A3-4			2041		0		-300	0	1000	5300	500	700	1000	0	35000
1277	G		7	DUFFERIN-LT.T1_LF	A5-6			2017												41000
1278	G		7	DUFFERIN-LT.T1_LF	A5-6			2018												42000
1279	G		7	DUFFERIN-LT.T1_LF	A5-6			2019												36000
1280	G		7	DUFFERIN-LT.T1_LF	A5-6			2020												37000
1281	G		7	DUFFERIN-LT.T1_LF	A5-6			2021												37000
1282	G		7	DUFFERIN-LT.T1_LF	A5-6			2022												37000
1283	G		7	DUFFERIN-LT.T1_LF	A5-6			2023												38000
1284	G		7	DUFFERIN-LT.T1_LF	A5-6			2024												38000
1285	G		7	DUFFERIN-LT.T1_LF	A5-6			2025												38000
1286	G		7	DUFFERIN-LT.T1_LF	A5-6			2026												39000
1287	G		7	DUFFERIN-LT.T1_LF	A5-6			2027		0		-700	100	400	5700	500	800	1100	0	40000
1288	G		7	DUFFERIN-LT.T1_LF	A5-6			2028		0		-700	100	500	6600	600	900	1300	0	41000
1289	G		7	DUFFERIN-LT.T1_LF	A5-6			2029		0		-700	100	600	7300	600	1000	1400	0	42000
1290	G		7	DUFFERIN-LT.T1_LF	A5-6			2030		0		-700	100	700	7800	700	1100	1500	0	42000
1291	G		7	DUFFERIN-LT.T1_LF	A5-6			2031		0		-700	100	800	8400	700	1100	1600	0	43000
1292	G		7	DUFFERIN-LT.T1_LF	A5-6			2032		0		-700	100	900	8900	800	1200	1700	0	44000
1293	G		7	DUFFERIN-LT.T1_LF	A5-6			2033		0		-700	100	1000	9400	800	1300	1800	0	44000
1294	G		7	DUFFERIN-LT.T1_LF	A5-6			2034		0		-700	100	1100	9800	900	1300	1900	0	45000
1295	G		7	DUFFERIN-LT.T1_LF	A5-6			2035		0		-700	100	1300	10200	900	1400	1900	0	46000
1296	G		7	DUFFERIN-LT.T1_LF	A5-6			2036		0		-700	100	1400	10400	900	1400	2000	0	46000
1297	G		7	DUFFERIN-LT.T1_LF	A5-6			2037		0		-700	100	1500	10600	900	1400	2000	0	46000
1298	G		7	DUFFERIN-LT.T1_LF	A5-6			2038		0		-700	100	1700	10900	1000	1500	2100	0	47000
1299	G		7	DUFFERIN-LT.T1_LF	A5-6			2039		0		-700	100	1800	11000	1000	1500	2100	0	47000
1300	G		7	DUFFERIN-LT.T1_LF	A5-6			2040		0		-700	100	2000	11200	1000	1500	2100	0	47000
1301	G		7	DUFFERIN-LT.T1_LF	A5-6			2041		0		-700	100	2100	11300	1000	1500	2100	0	48000
1302	G		7	DUFFERIN-LT.T1_LF	A7-8			2017												36000
1303	G		7	DUFFERIN-LT.T1_LF	A7-8			2018												38000
1304	G		7	DUFFERIN-LT.T1_LF	A7-8			2019												29000
1305	G		7	DUFFERIN-LT.T1_LF	A7-8			2020												30000
1306	G		7	DUFFERIN-LT.T1_LF	A7-8			2021												30000
1307	G		7	DUFFERIN-LT.T1_LF	A7-8			2022												30000
1308	G		7	DUFFERIN-LT.T1_LF	A7-8			2023												30000
1309	G		7	DUFFERIN-LT.T1_LF	A7-8			2024												30000
1310	G		7	DUFFERIN-LT.T1_LF	A7-8			2025												31000
1311	G		7	DUFFERIN-LT.T1_LF	A7-8			2026												31000
1312	G		7	DUFFERIN-LT.T1_LF	A7-8			2027		0		-600	100	400	5200	500	700	1000	0	32000
1313	G		7	DUFFERIN-LT.T1_LF	A7-8			2028		0		-600	100	500	5900	500	800	1100	0	32000
1314	G		7	DUFFERIN-LT.T1_LF	A7-8			2029		0		-600	100	500	6500	600	900	1300	0	33000
1315	G		7	DUFFERIN-LT.T1_LF	A7-8			2030		0		-600	100	600	7100	600	1000	1400	0	34000
1316	G		7	DUFFERIN-LT.T1_LF	A7-8			2031		0		-600	100	700	7600	700	1000	1500	0	34000
1317	G		7	DUFFERIN-LT.T1_LF	A7-8			2032		0		-600	100	800	8000	700	1100	1500	0	35000
1318	G		7	DUFFERIN-LT.T1_LF	A7-8			2033		0		-600	100	900	8500	700	1100	1600	0	35000
1319	G		7	DUFFERIN-LT.T1_LF	A7-8			2034		0		-600	100	1000	8900	800	1200	1700	0	36000
1320	G		7	DUFFERIN-LT.T1_LF	A7-8			2035		0		-600	100	1100	9200	800	1200	1700	0	36000
1321	G		7	DUFFERIN-LT.T1_LF	A7-8			2036		0		-600	100	1200	9400	800	1300	1800	0	36000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
1322	G		7	DUFFERIN-LT.T1_LF	A7-8			2037		0		-600	100	1400	9600	800	1300	1800	0	37000
1323	G		7	DUFFERIN-LT.T1_LF	A7-8			2038		0		-600	100	1500	9800	900	1300	1900	0	37000
1324	G		7	DUFFERIN-LT.T1_LF	A7-8			2039		0		-600	100	1600	9900	900	1300	1900	0	37000
1325	G		7	DUFFERIN-LT.T1_LF	A7-8			2040		0		-600	100	1800	10100	900	1400	1900	0	37000
1326	G		7	DUFFERIN-LT.T1_LF	A7-8			2041		0		-600	100	1900	10200	900	1400	1900	0	38000
1327	G		8	COPELAND	A1-2CL			2017												0
1328	G		8	COPELAND	A1-2CL			2018												0
1329	G		8	COPELAND	A1-2CL			2019												0
1330	G		8	COPELAND	A1-2CL			2020												52000
1331	G		8	COPELAND	A1-2CL			2021												52000
1332	G		8	COPELAND	A1-2CL			2022												52000
1333	G		8	COPELAND	A1-2CL			2023												53000
1334	G		8	COPELAND	A1-2CL			2024												53000
1335	G		8	COPELAND	A1-2CL			2025												54000
1336	G		8	COPELAND	A1-2CL			2026												54000
1337	G		8	COPELAND	A1-2CL			2027		-100		-700	0	200	0	500	400	0	0	55000
1338	G		8	COPELAND	A1-2CL			2028		-100		-700	0	200	0	600	500	0	0	56000
1339	G		8	COPELAND	A1-2CL			2029		-100		-700	0	300	0	700	500	0	0	56000
1340	G		8	COPELAND	A1-2CL			2030		-100		-700	0	300	0	700	600	0	0	57000
1341	G		8	COPELAND	A1-2CL			2031		-100		-700	0	400	0	800	600	0	0	58000
1342	G		8	COPELAND	A1-2CL			2032		-100		-700	0	400	0	800	600	0	0	58000
1343	G		8	COPELAND	A1-2CL			2033		-100		-700	0	500	0	900	700	0	0	59000
1344	G		8	COPELAND	A1-2CL			2034		-100		-700	0	500	0	900	700	0	0	60000
1345	G		8	COPELAND	A1-2CL			2035		-100		-700	0	600	0	1000	700	0	0	60000
1346	G		8	COPELAND	A1-2CL			2036		-100		-700	0	600	0	1000	700	0	0	61000
1347	G		8	COPELAND	A1-2CL			2037		-100		-700	0	700	0	1000	800	0	0	61000
1348	G		8	COPELAND	A1-2CL			2038		-100		-700	0	800	0	1000	800	0	0	62000
1349	G		8	COPELAND	A1-2CL			2039		-100		-700	0	800	0	1000	800	0	0	62000
1350	G		8	COPELAND	A1-2CL			2040		-100		-700	0	900	0	1100	800	0	0	63000
1351	G		8	COPELAND	A1-2CL			2041		-100		-700	0	1000	0	1100	800	0	0	64000
1352	G		8	COPELAND	A3-4CL			2017												0
1353	G		8	COPELAND	A3-4CL			2018												0
1354	G		8	COPELAND	A3-4CL			2019												0
1355	G		8	COPELAND	A3-4CL			2020												0
1356	G		8	COPELAND	A3-4CL			2021												41000
1357	G		8	COPELAND	A3-4CL			2022												41000
1358	G		8	COPELAND	A3-4CL			2023												41000
1359	G		8	COPELAND	A3-4CL			2024												41000
1360	G		8	COPELAND	A3-4CL			2025												42000
1361	G		8	COPELAND	A3-4CL			2026												42000
1362	G		8	COPELAND	A3-4CL			2027		-100		-700	0	200	0	500	400	0	0	43000
1363	G		8	COPELAND	A3-4CL			2028		-100		-700	0	200	0	600	500	0	0	43000
1364	G		8	COPELAND	A3-4CL			2029		-100		-700	0	300	0	700	500	0	0	44000
1365	G		8	COPELAND	A3-4CL			2030		-100		-700	0	300	0	700	600	0	0	45000
1366	G		8	COPELAND	A3-4CL			2031		-100		-700	0	400	0	800	600	0	0	45000
1367	G		8	COPELAND	A3-4CL			2032		-100		-700	0	400	0	800	600	0	0	46000
1368	G		8	COPELAND	A3-4CL			2033		-100		-700	0	500	0	900	700	0	0	46000
1369	G		8	COPELAND	A3-4CL			2034		-100		-700	0	500	0	900	700	0	0	47000
1370	G		8	COPELAND	A3-4CL			2035		-100		-700	0	600	0	1000	700	0	0	47000
1371	G		8	COPELAND	A3-4CL			2036		-100		-700	0	600	0	1000	700	0	0	48000
1372	G		8	COPELAND	A3-4CL			2037		-100		-700	0	700	0	1000	800	0	0	48000
1373	G		8	COPELAND	A3-4CL			2038		-100		-700	0	800	0	1000	800	0	0	48000
1374	G		8	COPELAND	A3-4CL			2039		-100		-700	0	800	0	1000	800	0	0	49000
1375	G		8	COPELAND	A3-4CL			2040		-100		-700	0	900	0	1100	800	0	0	49000
1376	G		8	COPELAND	A3-4CL			2041		-100		-700	0	1000	0	1100	800	0	0	50000

[illegible]

[illegible]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
1487	G		8	JOHN-LT.T2_LF	A3-4			2027		-100		-600	0	200	0	500	400	0	0	0
1488	G		8	JOHN-LT.T2_LF	A3-4			2028		-100		-600	0	200	0	600	500	0	0	0
1489	G		8	JOHN-LT.T2_LF	A3-4			2029		-100		-600	0	300	0	700	500	0	0	0
1490	G		8	JOHN-LT.T2_LF	A3-4			2030		-100		-600	0	300	0	700	600	0	0	0
1491	G		8	JOHN-LT.T2_LF	A3-4			2031		-100		-600	0	400	0	800	600	0	0	0
1492	G		8	JOHN-LT.T2_LF	A3-4			2032		-100		-600	0	400	0	800	600	0	0	0
1493	G		8	JOHN-LT.T2_LF	A3-4			2033		-100		-600	0	500	0	900	700	0	0	0
1494	G		8	JOHN-LT.T2_LF	A3-4			2034		-100		-600	0	500	0	900	700	0	0	0
1495	G		8	JOHN-LT.T2_LF	A3-4			2035		-100		-600	0	600	0	900	700	0	0	0
1496	G		8	JOHN-LT.T2_LF	A3-4			2036		-100		-600	0	600	0	1000	700	0	0	0
1497	G		8	JOHN-LT.T2_LF	A3-4			2037		-100		-600	0	700	0	1000	800	0	0	0
1498	G		8	JOHN-LT.T2_LF	A3-4			2038		-100		-600	0	800	0	1000	800	0	0	0
1499	G		8	JOHN-LT.T2_LF	A3-4			2039		-100		-600	0	800	0	1000	800	0	0	0
1500	G		8	JOHN-LT.T2_LF	A3-4			2040		-100		-600	0	900	0	1000	800	0	0	0
1501	G		8	JOHN-LT.T2_LF	A3-4			2041		-100		-600	0	1000	0	1100	800	0	0	0
1502	G		8	JOHN-LT.T2_LF	A5-6			2017												48000
1503	G		8	JOHN-LT.T2_LF	A5-6			2018												46000
1504	G		8	JOHN-LT.T2_LF	A5-6			2019												47000
1505	G		8	JOHN-LT.T2_LF	A5-6			2020												7000
1506	G		8	JOHN-LT.T2_LF	A5-6			2021												0
1507	G		8	JOHN-LT.T2_LF	A5-6			2022												0
1508	G		8	JOHN-LT.T2_LF	A5-6			2023												0
1509	G		8	JOHN-LT.T2_LF	A5-6			2024												50000
1510	G		8	JOHN-LT.T2_LF	A5-6			2025												50000
1511	G		8	JOHN-LT.T2_LF	A5-6			2026												50000
1512	G		8	JOHN-LT.T2_LF	A5-6			2027		-100		-700	0	200	0	600	400	0	0	51000
1513	G		8	JOHN-LT.T2_LF	A5-6			2028		-100		-700	0	300	0	600	500	0	0	52000
1514	G		8	JOHN-LT.T2_LF	A5-6			2029		-100		-700	0	300	0	700	600	0	0	53000
1515	G		8	JOHN-LT.T2_LF	A5-6			2030		-100		-700	0	300	0	800	600	0	0	53000
1516	G		8	JOHN-LT.T2_LF	A5-6			2031		-100		-700	0	400	0	800	600	0	0	54000
1517	G		8	JOHN-LT.T2_LF	A5-6			2032		-100		-700	0	500	0	900	700	0	0	54000
1518	G		8	JOHN-LT.T2_LF	A5-6			2033		-100		-700	0	500	0	900	700	0	0	55000
1519	G		8	JOHN-LT.T2_LF	A5-6			2034		-100		-700	0	600	0	1000	800	0	0	56000
1520	G		8	JOHN-LT.T2_LF	A5-6			2035		-100		-700	0	600	0	1000	800	0	0	56000
1521	G		8	JOHN-LT.T2_LF	A5-6			2036		-100		-700	0	700	0	1000	800	0	0	57000
1522	G		8	JOHN-LT.T2_LF	A5-6			2037		-100		-700	0	800	0	1100	800	0	0	57000
1523	G		8	JOHN-LT.T2_LF	A5-6			2038		-100		-700	0	800	0	1100	800	0	0	58000
1524	G		8	JOHN-LT.T2_LF	A5-6			2039		-100		-700	0	900	0	1100	800	0	0	58000
1525	G		8	JOHN-LT.T2_LF	A5-6			2040		-100		-600	0	1000	0	1100	900	0	0	59000
1526	G		8	JOHN-LT.T2_LF	A5-6			2041		-100		-600	0	1100	0	1200	900	0	0	59000
1527	G		8	STRACHAN-LT.TT1_LF	A1-2			2017												43000
1528	G		8	STRACHAN-LT.TT1_LF	A1-2			2018												44000
1529	G		8	STRACHAN-LT.TT1_LF	A1-2			2019												45000
1530	G		8	STRACHAN-LT.TT1_LF	A1-2			2020												45000
1531	G		8	STRACHAN-LT.TT1_LF	A1-2			2021												46000
1532	G		8	STRACHAN-LT.TT1_LF	A1-2			2022												46000
1533	G		8	STRACHAN-LT.TT1_LF	A1-2			2023												46000
1534	G		8	STRACHAN-LT.TT1_LF	A1-2			2024												47000
1535	G		8	STRACHAN-LT.TT1_LF	A1-2			2025												47000
1536	G		8	STRACHAN-LT.TT1_LF	A1-2			2026												47000
1537	G		8	STRACHAN-LT.TT1_LF	A1-2			2027		0		-600	0	300	3800	300	500	1000	0	48000
1538	G		8	STRACHAN-LT.TT1_LF	A1-2			2028		0		-600	0	400	4400	400	600	1200	0	50000
1539	G		8	STRACHAN-LT.TT1_LF	A1-2			2029		0		-600	0	400	4900	400	700	1300	0	51000
1540	G		8	STRACHAN-LT.TT1_LF	A1-2			2030		0		-600	0	500	5400	500	700	1400	0	52000
1541	G		8	STRACHAN-LT.TT1_LF	A1-2			2031		0		-600	0	500	5800	500	800	1500	0	53000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
1542	G		8	STRACHAN-LT.TT1_LF	A1-2			2032		0		-600	0	600	6100	500	800	1600	0	54000
1543	G		8	STRACHAN-LT.TT1_LF	A1-2			2033		0		-600	0	700	6500	600	900	1700	0	55000
1544	G		8	STRACHAN-LT.TT1_LF	A1-2			2034		0		-600	0	800	6800	600	900	1800	0	56000
1545	G		8	STRACHAN-LT.TT1_LF	A1-2			2035		0		-600	0	900	7000	600	900	1900	0	57000
1546	G		8	STRACHAN-LT.TT1_LF	A1-2			2036		0		-600	0	1000	7200	600	1000	1900	0	57000
1547	G		8	STRACHAN-LT.TT1_LF	A1-2			2037		0		-600	0	1000	7400	700	1000	2000	0	58000
1548	G		8	STRACHAN-LT.TT1_LF	A1-2			2038		0		-600	0	1200	8300	700	1000	2100	0	59000
1549	G		8	STRACHAN-LT.TT1_LF	A1-2			2039		0		-600	0	1300	8300	700	1000	2100	0	60000
1550	G		8	STRACHAN-LT.TT1_LF	A1-2			2040		0		-600	0	1400	8500	700	1100	2200	0	60000
1551	G		8	STRACHAN-LT.TT1_LF	A1-2			2041		0		-600	0	1500	8600	700	1100	2200	0	61000
1552	G		8	STRACHAN-LT.TT1_LF	A5-6			2017												23000
1553	G		8	STRACHAN-LT.TT1_LF	A5-6			2018												26000
1554	G		8	STRACHAN-LT.TT1_LF	A5-6			2019												27000
1555	G		8	STRACHAN-LT.TT1_LF	A5-6			2020												28000
1556	G		8	STRACHAN-LT.TT1_LF	A5-6			2021												28000
1557	G		8	STRACHAN-LT.TT1_LF	A5-6			2022												28000
1558	G		8	STRACHAN-LT.TT1_LF	A5-6			2023												28000
1559	G		8	STRACHAN-LT.TT1_LF	A5-6			2024												29000
1560	G		8	STRACHAN-LT.TT1_LF	A5-6			2025												29000
1561	G		8	STRACHAN-LT.TT1_LF	A5-6			2026												29000
1562	G		8	STRACHAN-LT.TT1_LF	A5-6			2027		0		-300	0	100	1700	200	200	500	0	30000
1563	G		8	STRACHAN-LT.TT1_LF	A5-6			2028		0		-300	0	200	2000	200	300	500	0	30000
1564	G		8	STRACHAN-LT.TT1_LF	A5-6			2029		0		-300	0	200	2200	200	300	600	0	31000
1565	G		8	STRACHAN-LT.TT1_LF	A5-6			2030		0		-300	0	200	2400	200	300	600	0	32000
1566	G		8	STRACHAN-LT.TT1_LF	A5-6			2031		0		-300	0	200	2600	200	400	700	0	33000
1567	G		8	STRACHAN-LT.TT1_LF	A5-6			2032		0		-300	0	300	2700	200	400	700	0	33000
1568	G		8	STRACHAN-LT.TT1_LF	A5-6			2033		0		-300	0	300	2900	300	400	800	0	34000
1569	G		8	STRACHAN-LT.TT1_LF	A5-6			2034		0		-300	0	300	3000	300	400	800	0	34000
1570	G		8	STRACHAN-LT.TT1_LF	A5-6			2035		0		-300	0	400	3200	300	400	800	0	35000
1571	G		8	STRACHAN-LT.TT1_LF	A5-6			2036		0		-300	0	400	3200	300	400	900	0	35000
1572	G		8	STRACHAN-LT.TT1_LF	A5-6			2037		0		-300	0	500	3300	300	400	900	0	36000
1573	G		8	STRACHAN-LT.TT1_LF	A5-6			2038		0		-300	0	500	3700	300	500	900	0	36000
1574	G		8	STRACHAN-LT.TT1_LF	A5-6			2039		0		-300	0	600	3700	300	500	900	0	37000
1575	G		8	STRACHAN-LT.TT1_LF	A5-6			2040		0		-300	0	600	3800	300	500	1000	0	37000
1576	G		8	STRACHAN-LT.TT1_LF	A5-6			2041		0		-300	0	700	3900	300	500	1000	0	38000
1577	G		8	STRACHAN-LT.TT1_LF	A7-8			2017												32000
1578	G		8	STRACHAN-LT.TT1_LF	A7-8			2018												32000
1579	G		8	STRACHAN-LT.TT1_LF	A7-8			2019												32000
1580	G		8	STRACHAN-LT.TT1_LF	A7-8			2020												32000
1581	G		8	STRACHAN-LT.TT1_LF	A7-8			2021												32000
1582	G		8	STRACHAN-LT.TT1_LF	A7-8			2022												32000
1583	G		8	STRACHAN-LT.TT1_LF	A7-8			2023												32000
1584	G		8	STRACHAN-LT.TT1_LF	A7-8			2024												32000
1585	G		8	STRACHAN-LT.TT1_LF	A7-8			2025												32000
1586	G		8	STRACHAN-LT.TT1_LF	A7-8			2026												33000
1587	G		8	STRACHAN-LT.TT1_LF	A7-8			2027		0		-400	0	200	2400	200	300	700	0	34000
1588	G		8	STRACHAN-LT.TT1_LF	A7-8			2028		0		-400	0	200	2800	200	400	700	0	35000
1589	G		8	STRACHAN-LT.TT1_LF	A7-8			2029		0		-400	0	300	3100	300	400	800	0	36000
1590	G		8	STRACHAN-LT.TT1_LF	A7-8			2030		0		-400	0	300	3400	300	500	900	0	37000
1591	G		8	STRACHAN-LT.TT1_LF	A7-8			2031		0		-400	0	300	3700	300	500	1000	0	38000
1592	G		8	STRACHAN-LT.TT1_LF	A7-8			2032		0		-400	0	400	3900	300	500	1000	0	38000
1593	G		8	STRACHAN-LT.TT1_LF	A7-8			2033		0		-400	0	400	4100	400	600	1100	0	39000
1594	G		8	STRACHAN-LT.TT1_LF	A7-8			2034		0		-400	0	500	4300	400	600	1100	0	40000
1595	G		8	STRACHAN-LT.TT1_LF	A7-8			2035		0		-400	0	600	4500	400	600	1200	0	40000
1596	G		8	STRACHAN-LT.TT1_LF	A7-8			2036		0		-400	0	600	4600	400	600	1200	0	41000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
1597	G		8	STRACHAN-LT.TT1_LF	A7-8			2037		0		-400	0	700	4700	400	600	1300	0	41000
1598	G		8	STRACHAN-LT.TT1_LF	A7-8			2038		0		-400	0	700	5300	400	700	1300	0	42000
1599	G		8	STRACHAN-LT.TT1_LF	A7-8			2039		0		-400	0	800	5300	400	700	1300	0	42000
1600	G		8	STRACHAN-LT.TT1_LF	A7-8			2040		0		-400	0	900	5400	400	700	1400	0	43000
1601	G		8	STRACHAN-LT.TT1_LF	A7-8			2041		0		-400	0	900	5500	400	700	1400	0	43000
1602	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2017												35000
1603	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2018												37000
1604	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2019												39000
1605	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2020												40000
1606	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2021												40000
1607	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2022												41000
1608	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2023												41000
1609	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2024												41000
1610	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2025												41000
1611	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2026												41000
1612	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2027		0		-400	0	200	2900	300	400	800	0	43000
1613	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2028		0		-400	0	300	3300	300	400	900	0	44000
1614	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2029		0		-400	0	300	3700	300	500	1000	0	45000
1615	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2030		0		-400	0	400	4000	400	500	1000	0	46000
1616	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2031		0		-400	0	400	4400	400	600	1100	0	47000
1617	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2032		0		-400	0	500	4600	400	600	1200	0	48000
1618	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2033		0		-400	0	500	4800	400	700	1300	0	49000
1619	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2034		0		-400	0	600	5100	500	700	1300	0	49000
1620	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2035		0		-400	0	600	5300	500	700	1400	0	50000
1621	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2036		0		-400	0	700	5400	500	700	1400	0	51000
1622	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2037		0		-400	0	800	5500	500	700	1500	0	51000
1623	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2038		0		-400	0	900	6200	500	800	1500	0	52000
1624	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2039		0		-400	0	900	6300	500	800	1600	0	53000
1625	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2040		0		-400	0	1000	6400	500	800	1600	0	53000
1626	G		8	STRACHAN-LT.TT1_LF	A9-10 (Formerly A3-4)			2041		0		-400	0	1100	6500	500	800	1700	0	54000
1627	G		9	CECIL-LT.TT1_LF	A1-2			2017												24000
1628	G		9	CECIL-LT.TT1_LF	A1-2			2018												24000
1629	G		9	CECIL-LT.TT1_LF	A1-2			2019												24000
1630	G		9	CECIL-LT.TT1_LF	A1-2			2020												24000
1631	G		9	CECIL-LT.TT1_LF	A1-2			2021												24000
1632	G		9	CECIL-LT.TT1_LF	A1-2			2022												24000
1633	G		9	CECIL-LT.TT1_LF	A1-2			2023												25000
1634	G		9	CECIL-LT.TT1_LF	A1-2			2024												25000
1635	G		9	CECIL-LT.TT1_LF	A1-2			2025												25000
1636	G		9	CECIL-LT.TT1_LF	A1-2			2026												25000
1637	G		9	CECIL-LT.TT1_LF	A1-2			2027		0		-200	0	100	0	200	200	1300	0	25000
1638	G		9	CECIL-LT.TT1_LF	A1-2			2028		0		-200	0	200	0	200	300	1400	0	25000
1639	G		9	CECIL-LT.TT1_LF	A1-2			2029		0		-200	0	200	0	200	300	1600	0	25000
1640	G		9	CECIL-LT.TT1_LF	A1-2			2030		0		-200	0	200	0	200	300	1700	0	25000
1641	G		9	CECIL-LT.TT1_LF	A1-2			2031		0		-200	0	300	0	300	400	1900	0	25000
1642	G		9	CECIL-LT.TT1_LF	A1-2			2032		0		-200	0	300	0	300	400	2000	0	25000
1643	G		9	CECIL-LT.TT1_LF	A1-2			2033		0		-200	0	300	0	300	400	2100	0	25000
1644	G		9	CECIL-LT.TT1_LF	A1-2			2034		0		-200	0	400	0	300	500	2200	0	24000
1645	G		9	CECIL-LT.TT1_LF	A1-2			2035		0		-200	0	400	0	300	500	2200	0	24000
1646	G		9	CECIL-LT.TT1_LF	A1-2			2036		0		-200	0	500	0	300	500	2300	0	24000
1647	G		9	CECIL-LT.TT1_LF	A1-2			2037		0		-200	0	500	0	400	500	2300	0	24000
1648	G		9	CECIL-LT.TT1_LF	A1-2			2038		0		-200	0	600	0	400	500	2400	0	24000
1649	G		9	CECIL-LT.TT1_LF	A1-2			2039		0		-200	0	700	0	400	500	2400	0	24000
1650	G		9	CECIL-LT.TT1_LF	A1-2			2040		0		-200	0	700	0	400	600	2500	0	24000
1651	G		9	CECIL-LT.TT1_LF	A1-2			2041		0		-200	0	800	0	400	600	2500	0	23000

[illegible]

[illegible]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
1762	G		9	CHARLES-LT.TT_LF	A3-4			2027		0		-300	0	200	2300	200	300	1500	0	39000
1763	G		9	CHARLES-LT.TT_LF	A3-4			2028		0		-300	0	200	2600	200	400	1700	0	39000
1764	G		9	CHARLES-LT.TT_LF	A3-4			2029		0		-300	0	200	3000	300	400	1900	0	40000
1765	G		9	CHARLES-LT.TT_LF	A3-4			2030		0		-300	0	300	3300	300	400	2100	0	40000
1766	G		9	CHARLES-LT.TT_LF	A3-4			2031		0		-300	0	300	3600	300	500	2200	0	40000
1767	G		9	CHARLES-LT.TT_LF	A3-4			2032		0		-300	0	400	3800	300	500	2400	0	41000
1768	G		9	CHARLES-LT.TT_LF	A3-4			2033		0		-300	0	400	4100	400	500	2500	0	41000
1769	G		9	CHARLES-LT.TT_LF	A3-4			2034		0		-300	0	500	4700	400	600	2600	0	41000
1770	G		9	CHARLES-LT.TT_LF	A3-4			2035		0		-300	0	600	5000	400	600	2700	0	42000
1771	G		9	CHARLES-LT.TT_LF	A3-4			2036		0		-300	0	600	5100	400	600	2800	0	42000
1772	G		9	CHARLES-LT.TT_LF	A3-4			2037		0		-300	0	700	5300	400	700	2900	0	42000
1773	G		9	CHARLES-LT.TT_LF	A3-4			2038		0		-300	0	800	5500	400	700	2900	0	42000
1774	G		9	CHARLES-LT.TT_LF	A3-4			2039		0		-300	0	800	5600	500	700	3000	0	42000
1775	G		9	CHARLES-LT.TT_LF	A3-4			2040		0		-300	0	900	5800	500	700	3000	0	42000
1776	G		9	CHARLES-LT.TT_LF	A3-4			2041		0		-300	0	1000	5900	500	700	3000	0	42000
1777	G		9	CHARLES-LT.TT_LF	A5-6			2017												36000
1778	G		9	CHARLES-LT.TT_LF	A5-6			2018												37000
1779	G		9	CHARLES-LT.TT_LF	A5-6			2019												38000
1780	G		9	CHARLES-LT.TT_LF	A5-6			2020												39000
1781	G		9	CHARLES-LT.TT_LF	A5-6			2021												39000
1782	G		9	CHARLES-LT.TT_LF	A5-6			2022												39000
1783	G		9	CHARLES-LT.TT_LF	A5-6			2023												40000
1784	G		9	CHARLES-LT.TT_LF	A5-6			2024												40000
1785	G		9	CHARLES-LT.TT_LF	A5-6			2025												40000
1786	G		9	CHARLES-LT.TT_LF	A5-6			2026												40000
1787	G		9	CHARLES-LT.TT_LF	A5-6			2027		0		-400	0	200	2800	200	400	1900	0	40000
1788	G		9	CHARLES-LT.TT_LF	A5-6			2028		0		-400	0	300	3200	300	400	2100	0	41000
1789	G		9	CHARLES-LT.TT_LF	A5-6			2029		0		-400	0	300	3700	300	500	2400	0	41000
1790	G		9	CHARLES-LT.TT_LF	A5-6			2030		0		-400	0	400	4000	400	500	2600	0	42000
1791	G		9	CHARLES-LT.TT_LF	A5-6			2031		0		-400	0	400	4400	400	600	2800	0	42000
1792	G		9	CHARLES-LT.TT_LF	A5-6			2032		0		-400	0	500	4700	400	600	2900	0	42000
1793	G		9	CHARLES-LT.TT_LF	A5-6			2033		0		-400	0	500	5000	400	700	3100	0	43000
1794	G		9	CHARLES-LT.TT_LF	A5-6			2034		0		-400	0	600	5800	500	700	3200	0	43000
1795	G		9	CHARLES-LT.TT_LF	A5-6			2035		0		-400	0	700	6100	500	800	3400	0	43000
1796	G		9	CHARLES-LT.TT_LF	A5-6			2036		0		-400	0	800	6300	500	800	3400	0	43000
1797	G		9	CHARLES-LT.TT_LF	A5-6			2037		0		-400	0	800	6500	500	800	3500	0	44000
1798	G		9	CHARLES-LT.TT_LF	A5-6			2038		0		-400	0	900	6700	500	800	3600	0	44000
1799	G		9	CHARLES-LT.TT_LF	A5-6			2039		0		-400	0	1000	6900	600	900	3600	0	44000
1800	G		9	CHARLES-LT.TT_LF	A5-6			2040		0		-400	0	1100	7100	600	900	3700	0	44000
1801	G		9	CHARLES-LT.TT_LF	A5-6			2041		0		-400	0	1200	7300	600	900	3700	0	44000
1802	G		9	CHARLES-LT.TT_LF	A7-8			2017												41000
1803	G		9	CHARLES-LT.TT_LF	A7-8			2018												46000
1804	G		9	CHARLES-LT.TT_LF	A7-8			2019												48000
1805	G		9	CHARLES-LT.TT_LF	A7-8			2020												49000
1806	G		9	CHARLES-LT.TT_LF	A7-8			2021												49000
1807	G		9	CHARLES-LT.TT_LF	A7-8			2022												50000
1808	G		9	CHARLES-LT.TT_LF	A7-8			2023												50000
1809	G		9	CHARLES-LT.TT_LF	A7-8			2024												50000
1810	G		9	CHARLES-LT.TT_LF	A7-8			2025												50000
1811	G		9	CHARLES-LT.TT_LF	A7-8			2026												50000
1812	G		9	CHARLES-LT.TT_LF	A7-8			2027		0		-400	0	200	3100	300	400	2100	0	51000
1813	G		9	CHARLES-LT.TT_LF	A7-8			2028		0		-400	0	300	3600	300	500	2400	0	52000
1814	G		9	CHARLES-LT.TT_LF	A7-8			2029		0		-400	0	300	4000	400	500	2600	0	53000
1815	G		9	CHARLES-LT.TT_LF	A7-8			2030		0		-400	0	400	4400	400	600	2800	0	53000
1816	G		9	CHARLES-LT.TT_LF	A7-8			2031		0		-400	0	500	4800	400	700	3000	0	54000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
1817	G		9	CHARLES-LT.TT_LF	A7-8			2032		0		-400	0	500	5200	500	700	3200	0	54000
1818	G		9	CHARLES-LT.TT_LF	A7-8			2033		0		-400	0	600	5500	500	700	3400	0	55000
1819	G		9	CHARLES-LT.TT_LF	A7-8			2034		0		-400	0	700	6400	500	800	3600	0	55000
1820	G		9	CHARLES-LT.TT_LF	A7-8			2035		0		-400	0	800	6700	500	800	3700	0	56000
1821	G		9	CHARLES-LT.TT_LF	A7-8			2036		0		-400	0	800	7000	600	900	3800	0	56000
1822	G		9	CHARLES-LT.TT_LF	A7-8			2037		0		-400	0	900	7200	600	900	3900	0	56000
1823	G		9	CHARLES-LT.TT_LF	A7-8			2038		0		-400	0	1000	7400	600	900	4000	0	56000
1824	G		9	CHARLES-LT.TT_LF	A7-8			2039		0		-400	0	1100	7600	600	900	4000	0	56000
1825	G		9	CHARLES-LT.TT_LF	A7-8			2040		0		-400	0	1300	7900	600	1000	4100	0	56000
1826	G		9	CHARLES-LT.TT_LF	A7-8			2041		0		-400	0	1400	8000	700	1000	4100	0	56000
1827	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2017												56000
1828	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2018												59000
1829	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2019												48000
1830	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2020												49000
1831	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2021												50000
1832	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2022												50000
1833	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2023												50000
1834	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2024												50000
1835	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2025												50000
1836	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2026												50000
1837	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2027		-200		-700	0	200	0	600	500	0	0	50000
1838	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2028		-200		-700	0	300	0	700	500	0	0	49000
1839	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2029		-200		-700	0	300	0	800	600	0	0	49000
1840	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2030		-200		-700	0	400	0	900	700	0	0	48000
1841	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2031		0		-600	0	600	6500	600	900	4100	0	48000
1842	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2032		0		-600	0	700	6900	600	900	4300	0	48000
1843	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2033		0		-600	0	800	7400	700	1000	4500	0	49000
1844	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2034		0		-600	0	900	7900	700	1100	4800	0	49000
1845	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2035		0		-600	0	1000	8200	700	1100	4900	0	49000
1846	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2036		0		-600	0	1100	8500	800	1100	5100	0	50000
1847	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2037		0		-600	0	1300	8800	800	1200	5200	0	50000
1848	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2038		0		-600	0	1400	9100	800	1200	5300	0	50000
1849	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2039		0		-600	0	1500	9300	800	1300	5400	0	49000
1850	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2040		0		-600	0	1700	9600	900	1300	5500	0	50000
1851	G		9	ESPLANADE-LT.TT_LF	A1-2GD			2041		0		-600	0	1800	9800	900	1300	5500	0	49000
1852	G		9	ESPLANADE-LT.TT_LF	A1-2X			2017												46000
1853	G		9	ESPLANADE-LT.TT_LF	A1-2X			2018												50000
1854	G		9	ESPLANADE-LT.TT_LF	A1-2X			2019												40000
1855	G		9	ESPLANADE-LT.TT_LF	A1-2X			2020												41000
1856	G		9	ESPLANADE-LT.TT_LF	A1-2X			2021												41000
1857	G		9	ESPLANADE-LT.TT_LF	A1-2X			2022												41000
1858	G		9	ESPLANADE-LT.TT_LF	A1-2X			2023												42000
1859	G		9	ESPLANADE-LT.TT_LF	A1-2X			2024												42000
1860	G		9	ESPLANADE-LT.TT_LF	A1-2X			2025												42000
1861	G		9	ESPLANADE-LT.TT_LF	A1-2X			2026												43000
1862	G		9	ESPLANADE-LT.TT_LF	A1-2X			2027		-200		-600	0	200	0	500	400	0	0	43000
1863	G		9	ESPLANADE-LT.TT_LF	A1-2X			2028		-200		-600	0	200	0	600	400	0	0	42000
1864	G		9	ESPLANADE-LT.TT_LF	A1-2X			2029		-200		-600	0	300	0	700	500	0	0	42000
1865	G		9	ESPLANADE-LT.TT_LF	A1-2X			2030		-200		-600	0	300	0	700	500	0	0	41000
1866	G		9	ESPLANADE-LT.TT_LF	A1-2X			2031		0		-500	0	500	5400	500	700	3400	0	41000
1867	G		9	ESPLANADE-LT.TT_LF	A1-2X			2032		0		-500	0	600	5800	500	800	3600	0	41000
1868	G		9	ESPLANADE-LT.TT_LF	A1-2X			2033		0		-500	0	700	6100	500	800	3800	0	42000
1869	G		9	ESPLANADE-LT.TT_LF	A1-2X			2034		0		-500	0	700	6500	600	900	4000	0	42000
1870	G		9	ESPLANADE-LT.TT_LF	A1-2X			2035		0		-500	0	800	6800	600	900	4100	0	42000
1871	G		9	ESPLANADE-LT.TT_LF	A1-2X			2036		0		-500	0	900	7100	600	900	4200	0	42000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
1872	G		9	ESPLANADE-LT.TT_LF	A1-2X			2037		0		-500	0	1000	7300	600	1000	4300	0	42000
1873	G		9	ESPLANADE-LT.TT_LF	A1-2X			2038		0		-500	0	1200	7600	700	1000	4400	0	43000
1874	G		9	ESPLANADE-LT.TT_LF	A1-2X			2039		0		-500	0	1300	7700	700	1000	4400	0	42000
1875	G		9	ESPLANADE-LT.TT_LF	A1-2X			2040		0		-500	0	1400	8000	700	1100	4500	0	42000
1876	G		9	ESPLANADE-LT.TT_LF	A1-2X			2041		0		-500	0	1500	8200	700	1100	4600	0	42000
1877	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2017												51000
1878	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2018												53000
1879	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2019												54000
1880	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2020												55000
1881	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2021												55000
1882	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2022												55000
1883	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2023												56000
1884	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2024												56000
1885	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2025												57000
1886	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2026												57000
1887	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2027		-200		-600	0	200	0	500	400	0	0	56000
1888	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2028		-200		-600	0	200	0	600	500	0	0	56000
1889	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2029		-200		-600	0	300	0	700	500	0	0	55000
1890	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2030		-200		-600	0	300	0	700	600	0	0	54000
1891	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2031		0		-500	0	500	5500	500	700	3500	0	54000
1892	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2032		0		-500	0	600	5900	500	800	3700	0	54000
1893	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2033		0		-500	0	700	6300	600	800	3900	0	55000
1894	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2034		0		-500	0	800	6700	600	900	4100	0	55000
1895	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2035		0		-500	0	900	7000	600	900	4200	0	56000
1896	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2036		0		-500	0	1000	7200	600	1000	4300	0	56000
1897	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2037		0		-500	0	1100	7500	700	1000	4400	0	56000
1898	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2038		0		-500	0	1200	7700	700	1000	4500	0	56000
1899	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2039		0		-500	0	1300	7900	700	1100	4500	0	56000
1900	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2040		0		-500	0	1400	8200	700	1100	4600	0	56000
1901	G		9	ESPLANADE-LT.TT_LF	A3-4GD			2041		0		-500	0	1600	8300	700	1100	4700	0	56000
1902	G		9	TERAULEY-LT.T1_LF	A1-2			2017												41000
1903	G		9	TERAULEY-LT.T1_LF	A1-2			2018												41000
1904	G		9	TERAULEY-LT.T1_LF	A1-2			2019												43000
1905	G		9	TERAULEY-LT.T1_LF	A1-2			2020												47000
1906	G		9	TERAULEY-LT.T1_LF	A1-2			2021												43000
1907	G		9	TERAULEY-LT.T1_LF	A1-2			2022												45000
1908	G		9	TERAULEY-LT.T1_LF	A1-2			2023												45000
1909	G		9	TERAULEY-LT.T1_LF	A1-2			2024												46000
1910	G		9	TERAULEY-LT.T1_LF	A1-2			2025												46000
1911	G		9	TERAULEY-LT.T1_LF	A1-2			2026												46000
1912	G		9	TERAULEY-LT.T1_LF	A1-2			2027		-200		-500	0	200	0	500	400	0	0	45000
1913	G		9	TERAULEY-LT.T1_LF	A1-2			2028		-200		-500	0	200	0	600	400	0	0	45000
1914	G		9	TERAULEY-LT.T1_LF	A1-2			2029		-200		-500	0	300	0	600	500	0	0	44000
1915	G		9	TERAULEY-LT.T1_LF	A1-2			2030		-200		-500	0	300	0	700	500	0	0	44000
1916	G		9	TERAULEY-LT.T1_LF	A1-2			2031		-200		-500	0	400	0	800	600	0	0	43000
1917	G		9	TERAULEY-LT.T1_LF	A1-2			2032		-100		-400	0	200	5500	500	600	0	0	43000
1918	G		9	TERAULEY-LT.T1_LF	A1-2			2033		-100		-400	0	300	5800	600	600	0	0	43000
1919	G		9	TERAULEY-LT.T1_LF	A1-2			2034		-100		-400	0	300	6200	600	700	0	0	43000
1920	G		9	TERAULEY-LT.T1_LF	A1-2			2035		-100		-500	0	600	7700	600	800	0	0	43000
1921	G		9	TERAULEY-LT.T1_LF	A1-2			2036		0		-400	0	900	7200	600	900	3900	0	43000
1922	G		9	TERAULEY-LT.T1_LF	A1-2			2037		0		-400	0	1000	7500	600	900	4000	0	44000
1923	G		9	TERAULEY-LT.T1_LF	A1-2			2038		0		-400	0	1100	7700	600	1000	4100	0	44000
1924	G		9	TERAULEY-LT.T1_LF	A1-2			2039		0		-400	0	1200	7900	600	1000	4200	0	44000
1925	G		9	TERAULEY-LT.T1_LF	A1-2			2040		0		-400	0	1300	8200	700	1000	4300	0	44000
1926	G		9	TERAULEY-LT.T1_LF	A1-2			2041		0		-400	0	1400	8300	700	1000	4300	0	44000

[illegible]

[illegible]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
2037	G		10	BASIN-LT.TT1_LF	A7-8			2027		-100		-400	100	200	3900	300	400	0	0	34000
2038	G		10	BASIN-LT.TT1_LF	A7-8			2028		-100		-400	100	200	4400	400	500	0	0	35000
2039	G		10	BASIN-LT.TT1_LF	A7-8			2029		-100		-400	100	200	4800	400	500	0	0	35000
2040	G		10	BASIN-LT.TT1_LF	A7-8			2030		-100		-400	100	300	5200	400	600	0	0	36000
2041	G		10	BASIN-LT.TT1_LF	A7-8			2031		0		-400	0	300	6700	400	600	700	0	36000
2042	G		10	BASIN-LT.TT1_LF	A7-8			2032		0		-400	0	300	7000	500	700	700	0	37000
2043	G		10	BASIN-LT.TT1_LF	A7-8			2033		0		-400	0	400	7400	500	700	800	0	38000
2044	G		10	BASIN-LT.TT1_LF	A7-8			2034		0		-400	0	400	7700	500	700	800	0	38000
2045	G		10	BASIN-LT.TT1_LF	A7-8			2035		0		-400	0	400	8000	500	800	900	0	38000
2046	G		10	BASIN-LT.TT1_LF	A7-8			2036		0		-400	0	500	8100	500	800	900	0	39000
2047	G		10	BASIN-LT.TT1_LF	A7-8			2037		0		-400	0	500	8300	500	800	1000	0	39000
2048	G		10	BASIN-LT.TT1_LF	A7-8			2038		0		-400	0	600	8500	600	800	1000	0	39000
2049	G		10	BASIN-LT.TT1_LF	A7-8			2039		0		-400	0	600	8600	600	800	1000	0	39000
2050	G		10	BASIN-LT.TT1_LF	A7-8			2040		0		-400	0	700	8700	600	800	1100	0	40000
2051	G		10	BASIN-LT.TT1_LF	A7-8			2041		0		-400	0	700	8800	600	800	1100	0	40000
2052	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2017												10000
2053	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2018												3000
2054	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2019												3000
2055	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2020												3000
2056	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2021												3000
2057	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2022												3000
2058	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2023												3000
2059	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2024												3000
2060	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2025												3000
2061	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2026												3000
2062	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2027		0		-200	0	100	0	200	200	0	0	3000
2063	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2028		0		-200	0	100	0	200	200	0	0	3000
2064	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2029		0		-200	0	100	1800	200	200	200	0	3000
2065	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2030		0		-200	0	200	1900	200	300	300	0	3000
2066	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2031		0		-200	0	200	2000	200	300	300	0	3000
2067	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2032		0		-200	0	200	2200	200	300	300	0	3000
2068	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2033		0		-200	0	200	2300	200	300	300	0	3000
2069	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2034		0		-200	0	300	2400	200	300	400	0	3000
2070	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2035		0		-200	0	300	2400	200	300	400	0	3000
2071	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2036		0		-200	0	300	2500	200	300	400	0	3000
2072	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2037		0		-200	0	400	2500	200	300	400	0	3000
2073	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2038		0		-200	0	400	2900	200	400	400	0	3000
2074	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2039		0		-200	0	400	2900	200	400	400	0	3000
2075	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2040		0		-200	0	600	3000	200	400	500	0	3000
2076	G		10	CARLAW-LT.T1_LF	A4-5 (Supplied by Gerrard TS)			2041		0		-200	0	600	3000	200	400	500	0	3000
2077	G		10	CARLAW-LT.T1_LF	A6-7			2017												22000
2078	G		10	CARLAW-LT.T1_LF	A6-7			2018												32000
2079	G		10	CARLAW-LT.T1_LF	A6-7			2019												32000
2080	G		10	CARLAW-LT.T1_LF	A6-7			2020												32000
2081	G		10	CARLAW-LT.T1_LF	A6-7			2021												32000
2082	G		10	CARLAW-LT.T1_LF	A6-7			2022												32000
2083	G		10	CARLAW-LT.T1_LF	A6-7			2023												32000
2084	G		10	CARLAW-LT.T1_LF	A6-7			2024												33000
2085	G		10	CARLAW-LT.T1_LF	A6-7			2025												33000
2086	G		10	CARLAW-LT.T1_LF	A6-7			2026												33000
2087	G		10	CARLAW-LT.T1_LF	A6-7			2027		-100		-400	100	200	0	400	300	0	0	33000
2088	G		10	CARLAW-LT.T1_LF	A6-7			2028		-100		-400	100	200	0	400	400	0	0	33000
2089	G		10	CARLAW-LT.T1_LF	A6-7			2029		0		-300	0	300	3300	300	400	500	0	33000
2090	G		10	CARLAW-LT.T1_LF	A6-7			2030		0		-300	0	300	3500	300	500	500	0	34000
2091	G		10	CARLAW-LT.T1_LF	A6-7			2031		0		-300	0	400	3800	300	500	500	0	34000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
2092	G		10	CARLAW-LT.T1_LF	A6-7			2032		0		-300	0	400	4000	300	500	600	0	34000
2093	G		10	CARLAW-LT.T1_LF	A6-7			2033		0		-300	0	400	4200	400	600	600	0	34000
2094	G		10	CARLAW-LT.T1_LF	A6-7			2034		0		-300	0	500	4300	400	600	700	0	34000
2095	G		10	CARLAW-LT.T1_LF	A6-7			2035		0		-300	0	600	4500	400	600	700	0	34000
2096	G		10	CARLAW-LT.T1_LF	A6-7			2036		0		-300	0	600	4600	400	600	700	0	34000
2097	G		10	CARLAW-LT.T1_LF	A6-7			2037		0		-300	0	700	4700	400	600	800	0	35000
2098	G		10	CARLAW-LT.T1_LF	A6-7			2038		0		-300	0	700	5200	400	600	800	0	34000
2099	G		10	CARLAW-LT.T1_LF	A6-7			2039		0		-300	0	800	5300	400	700	800	0	34000
2100	G		10	CARLAW-LT.T1_LF	A6-7			2040		0		-300	0	1100	5500	400	700	800	0	34000
2101	G		10	CARLAW-LT.T1_LF	A6-7			2041		0		-300	0	1100	5500	400	700	900	0	34000
2102	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2017												32000
2103	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2018												31000
2104	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2019												32000
2105	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2020												32000
2106	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2021												32000
2107	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2022												33000
2108	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2023												33000
2109	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2024												33000
2110	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2025												33000
2111	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2026												34000
2112	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2027		-100		-600	100	300	0	600	500	0	0	34000
2113	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2028		-100		-600	100	300	0	700	600	0	0	34000
2114	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2029		0		-500	100	400	5300	500	700	700	0	34000
2115	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2030		0		-500	100	500	5700	500	800	800	0	35000
2116	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2031		0		-500	100	600	6100	500	800	900	0	35000
2117	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2032		0		-500	100	600	6400	600	900	900	0	35000
2118	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2033		0		-500	100	700	6700	600	900	1000	0	35000
2119	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2034		0		-500	100	800	7000	600	900	1100	0	35000
2120	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2035		0		-500	100	900	7300	600	1000	1100	0	35000
2121	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2036		0		-500	100	1000	7400	700	1000	1200	0	35000
2122	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2037		0		-500	100	1100	7600	700	1000	1200	0	35000
2123	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2038		0		-500	100	1200	8500	700	1100	1300	0	35000
2124	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2039		0		-500	100	1300	8600	700	1100	1300	0	35000
2125	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2040		0		-500	100	1700	8900	700	1100	1400	0	35000
2126	G		10	CARLAW-LT.T1_LF	A8-9 (Formerly A1-2)			2041		0		-500	100	1900	9000	700	1100	1400	0	35000
2127	G		10	GERRARD-LT.TT1_LF	A1-2			2017												29000
2128	G		10	GERRARD-LT.TT1_LF	A1-2			2018												32000
2129	G		10	GERRARD-LT.TT1_LF	A1-2			2019												41000
2130	G		10	GERRARD-LT.TT1_LF	A1-2			2020												44000
2131	G		10	GERRARD-LT.TT1_LF	A1-2			2021												46000
2132	G		10	GERRARD-LT.TT1_LF	A1-2			2022												46000
2133	G		10	GERRARD-LT.TT1_LF	A1-2			2023												47000
2134	G		10	GERRARD-LT.TT1_LF	A1-2			2024												47000
2135	G		10	GERRARD-LT.TT1_LF	A1-2			2025												47000
2136	G		10	GERRARD-LT.TT1_LF	A1-2			2026												48000
2137	G		10	GERRARD-LT.TT1_LF	A1-2			2027		0		-600	100	400	0	500	800	700	0	48000
2138	G		10	GERRARD-LT.TT1_LF	A1-2			2028		0		-600	100	500	0	600	900	900	0	48000
2139	G		10	GERRARD-LT.TT1_LF	A1-2			2029		0		-600	100	600	0	600	900	1000	0	48000
2140	G		10	GERRARD-LT.TT1_LF	A1-2			2030		0		-600	100	700	0	700	1000	1100	0	48000
2141	G		10	GERRARD-LT.TT1_LF	A1-2			2031		0		-600	100	800	0	700	1100	1200	0	48000
2142	G		10	GERRARD-LT.TT1_LF	A1-2			2032		0		-600	100	900	0	800	1100	1300	0	48000
2143	G		10	GERRARD-LT.TT1_LF	A1-2			2033		0		-600	100	1000	0	800	1200	1300	0	48000
2144	G		10	GERRARD-LT.TT1_LF	A1-2			2034		0		-600	100	1100	0	800	1300	1400	0	49000
2145	G		10	GERRARD-LT.TT1_LF	A1-2			2035		0		-600	100	1100	6500	800	1200	1400	0	49000
2146	G		10	GERRARD-LT.TT1_LF	A1-2			2036		0		-600	100	1200	6600	800	1200	1500	0	49000

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Outlook_Name		Region	StationName	Bus			Year		PV		CS	CDM	EV	SH	Transit	WH	Storage	ICI	Outlook G
2147	G		10	GERRARD-LT.TT1_LF	A1-2			2037		0		-600	100	1300	6700	800	1300	1500	0	49000
2148	G		10	GERRARD-LT.TT1_LF	A1-2			2038		0		-600	100	1500	6900	900	1300	1600	0	49000
2149	G		10	GERRARD-LT.TT1_LF	A1-2			2039		0		-600	100	1600	6900	900	1300	1600	0	50000
2150	G		10	GERRARD-LT.TT1_LF	A1-2			2040		0		-600	100	1700	7100	900	1300	1700	0	50000
2151	G		10	GERRARD-LT.TT1_LF	A1-2			2041		0		-600	100	1900	7200	900	1400	1700	0	50000
2152	G		10	MAINS-LT.T3_LF	A1-2MN			2017												23000
2153	G		10	MAINS-LT.T3_LF	A1-2MN			2018												23000
2154	G		10	MAINS-LT.T3_LF	A1-2MN			2019												24000
2155	G		10	MAINS-LT.T3_LF	A1-2MN			2020												24000
2156	G		10	MAINS-LT.T3_LF	A1-2MN			2021												24000
2157	G		10	MAINS-LT.T3_LF	A1-2MN			2022												25000
2158	G		10	MAINS-LT.T3_LF	A1-2MN			2023												25000
2159	G		10	MAINS-LT.T3_LF	A1-2MN			2024												25000
2160	G		10	MAINS-LT.T3_LF	A1-2MN			2025												25000
2161	G		10	MAINS-LT.T3_LF	A1-2MN			2026												25000
2162	G		10	MAINS-LT.T3_LF	A1-2MN			2027		0		-500	100	300	4400	400	600	600	0	26000
2163	G		10	MAINS-LT.T3_LF	A1-2MN			2028		0		-500	100	400	5000	400	700	700	0	26000
2164	G		10	MAINS-LT.T3_LF	A1-2MN			2029		0		-500	100	500	5500	500	700	800	0	26000
2165	G		10	MAINS-LT.T3_LF	A1-2MN			2030		0		-500	100	500	5900	500	800	800	0	27000
2166	G		10	MAINS-LT.T3_LF	A1-2MN			2031		0		-500	100	600	6300	600	900	900	0	27000
2167	G		10	MAINS-LT.T3_LF	A1-2MN			2032		0		-500	100	700	6600	600	900	1000	0	27000
2168	G		10	MAINS-LT.T3_LF	A1-2MN			2033		0		-500	100	800	7000	600	900	1000	0	27000
2169	G		10	MAINS-LT.T3_LF	A1-2MN			2034		0		-500	100	800	7300	600	1000	1100	0	27000
2170	G		10	MAINS-LT.T3_LF	A1-2MN			2035		0		-500	100	900	7500	700	1000	1200	0	27000
2171	G		10	MAINS-LT.T3_LF	A1-2MN			2036		0		-500	100	1000	7700	700	1000	1200	0	27000
2172	G		10	MAINS-LT.T3_LF	A1-2MN			2037		0		-500	100	1100	7800	700	1100	1300	0	27000
2173	G		10	MAINS-LT.T3_LF	A1-2MN			2038		0		-500	100	1200	8000	700	1100	1300	0	27000
2174	G		10	MAINS-LT.T3_LF	A1-2MN			2039		0		-500	100	1300	8100	700	1100	1300	0	27000
2175	G		10	MAINS-LT.T3_LF	A1-2MN			2040		0		-500	100	1400	8200	700	1100	1400	0	27000
2176	G		10	MAINS-LT.T3_LF	A1-2MN			2041		0		-500	100	1600	8300	700	1100	1400	0	27000
2177	G		10	MAINS-LT.T3_LF	A3-4MN			2017												32000
2178	G		10	MAINS-LT.T3_LF	A3-4MN			2018												33000
2179	G		10	MAINS-LT.T3_LF	A3-4MN			2019												33000
2180	G		10	MAINS-LT.T3_LF	A3-4MN			2020												33000
2181	G		10	MAINS-LT.T3_LF	A3-4MN			2021												34000
2182	G		10	MAINS-LT.T3_LF	A3-4MN			2022												34000
2183	G		10	MAINS-LT.T3_LF	A3-4MN			2023												34000
2184	G		10	MAINS-LT.T3_LF	A3-4MN			2024												34000
2185	G		10	MAINS-LT.T3_LF	A3-4MN			2025												35000
2186	G		10	MAINS-LT.T3_LF	A3-4MN			2026												35000
2187	G		10	MAINS-LT.T3_LF	A3-4MN			2027		0		-600	100	400	4700	400	600	600	0	36000
2188	G		10	MAINS-LT.T3_LF	A3-4MN			2028		0		-600	100	400	5400	500	700	700	0	36000
2189	G		10	MAINS-LT.T3_LF	A3-4MN			2029		0		-600	100	500	5900	500	800	800	0	37000
2190	G		10	MAINS-LT.T3_LF	A3-4MN			2030		0		-600	100	600	6400	600	900	900	0	37000
2191	G		10	MAINS-LT.T3_LF	A3-4MN			2031		0		-600	100	600	6800	600	900	1000	0	37000
2192	G		10	MAINS-LT.T3_LF	A3-4MN			2032		0		-600	100	700	7200	600	1000	1100	0	38000
2193	G		10	MAINS-LT.T3_LF	A3-4MN			2033		0		-600	100	800	7500	700	1000	1100	0	38000
2194	G		10	MAINS-LT.T3_LF	A3-4MN			2034		0		-600	100	900	7900	700	1100	1200	0	38000
2195	G		10	MAINS-LT.T3_LF	A3-4MN			2035		0		-600	100	1000	8100	700	1100	1300	0	38000
2196	G		10	MAINS-LT.T3_LF	A3-4MN			2036		0		-600	100	1100	8300	700	1100	1300	0	38000
2197	G		10	MAINS-LT.T3_LF	A3-4MN			2037		0		-600	100	1200	8500	700	1100	1400	0	38000
2198	G		10	MAINS-LT.T3_LF	A3-4MN			2038		0		-600	100	1300	8600	800	1200	1400	0	38000
2199	G		10	MAINS-LT.T3_LF	A3-4MN			2039		0		-600	100	1400	8700	800	1200	1400	0	38000
2200	G		10	MAINS-LT.T3_LF	A3-4MN			2040		0		-600	100	1600	8900	800	1200	1500	0	38000
2201	G		10	MAINS-LT.T3_LF	A3-4MN			2041		0		-600	100	1700	9000	800	1200	1500	0	38000

1 **TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO**
2 **OEB STAFF**

3
4 **UNDERTAKING NO. JTC4.32:**

5 **Reference(s):**

6
7 Board Staff Technical Conference questions for THESL Panel 5.

8
9
10 **RESPONSE:**

11 Please see attached responses labeled Schedules JTC4.32.1 to JTC4.32.6.

**TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO
OEB STAFF**

UNDERTAKING NO. JTC4.32.1:

Reference(s): 1B - PSE Working Papers

PEG seeks some additional information regarding the working papers provided by company witness Steve or Mr. Fenrick.

a) What are the shares of THESL lines that are direct-buried and overheaded?

b) Is the CU variable logged in your model? If so, how did you address zero values?
Did you consider the share of area that isn't congested as the variable?

c) Does the 40-year service life reflect the THESL life for both distribution and general capital?

d) Does the UDI/Platts line mile data enter into the analysis at any point?

RESPONSE (PREPARED BY TORONTO HYDRO):

a) Please see Appendix A for the share of underground versus overhead circuit-kilometers.¹

¹ "Direct-buried" cable (referenced in OEB Staff's undertaking request) is one of several specific types of underground lines that Toronto Hydro has on its system. Given the context around this specific undertaking, Toronto Hydro has interpreted "direct-buried" to mean all types of underground lines.

1 **RESPONSE (PREPARED BY PSE):**

2 b) No. The CU variable is not logged in the model due to the presence of zeros. We did
3 not consider using the share of the area that is not congested as a variable because
4 that would be unnecessary. If the logged share of the area that is not congested is
5 included as the variable in place of the CU variable the result would not meaningfully
6 change.

7

8 c) Yes, the assumption reflects the average service life of all capital. This is the same
9 assumption used in PSE's benchmarking research during the 2015 Toronto Hydro
10 application. PEG also used this assumption in the 2015 Toronto Hydro research and
11 during PEG's 4th Generation Incentive Regulation benchmarking and TFP research.

12

13 d) No. North American utilities report their line mile data in an inconsistent manner on
14 this form. One utility may be reporting primary distribution lines only, whereas a
15 second utility may be reporting primary plus secondary distribution lines. The
16 differences can be large.

JTC 4.32 - Appendix A

	Actual 2005	Actual 2006	Actual 2007	Actual 2008	Actual 2009	Actual 2010	Actual 2011	Actual 2012	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Actual 2017	Forecast 2018	Forecast 2019	Forecast 2020	Forecast 2021	Forecast 2022	Forecast 2023	Forecast 2024
Overhead	9,172	9,218	10,712	12,206	13,700	15,079	15,079	15,059	15,460	15,560	15,560	15,561	15,543	15,629	15,715	15,802	15,889	15,977	16,065	16,154
Underground	7,361	8,343	8,829	9,314	9,800	10,438	10,903	10,822	12,290	12,920	13,045	13,044	13,220	13,293	13,367	13,440	13,515	13,589	13,665	13,740
Total	16,533	17,561	19,541	21,520	23,500	25,517	25,982	25,881	27,750	28,480	28,605	28,605	28,763	28,922	29,082	29,242	29,404	29,566	29,729	29,894

1 **TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO**
2 **OEB STAFF**

3
4 **UNDERTAKING NO. JTC4.32.2:**

5 **Reference(s): 1B-Staff-32(c)**

6
7 a) Does the problem you discuss of inconsistent reporting of UDI line length data
8 extend to the pole miles of overhead line?

9
10
11 **RESPONSE (PREPARED BY PSE):**

12 a) Yes. The problem with inconsistent reporting of primary or primary plus secondary
13 lines exists for reported pole miles of overhead line.

**TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO
OEB STAFF**

UNDERTAKING NO. JTC4.32.3:

Reference(s): 1B-Staff-37

PEG seeks some clarification of the response regarding the PSE reliability models:

- a) Did you consider limiting the sample to those with a known same definition of a sustained interruption as THESL?
- b) The SAIFI table says 420 observations while the CAIDI table says 436 observations. Please identify the source of the difference.
- c) Were the regression outputs of the reliability models included in the working papers? For reference, the table and regression output of the total cost model is in the "Modeling Dataset" Excel spreadsheet but does not contain those items for the reliability models. Could that be referenced or provided?
- d) Was a demeaned version of customers used in the reliability models?
- e) Which variables (both dependent and independent) were logged in the reliability models?
- f) Please confirm that both EXCLUDE==0 and BADSQ==0 are the conditions for selecting the reliability data suitable for benchmarking.

1 g) There is missing reliability data for SNLID 4057075 in year 2014 but the variable
2 “badsq” is set to 0. Is this implicitly excluded from the regression work? Please
3 confirm this should be set to 1.
4
5

6 **RESPONSE (PREPARED BY PSE):**

- 7 a) No. This would have substantially reduced the sample size and would result in the
8 latest available year for most observations being 2012 rather than 2016.
9
- 10 b) The SAIFI sample unnecessarily excludes 16 observations due to excluding based on
11 both the “exclude” variable and the “badsq” variable. Once this is amended the
12 observations match the CAIDI sample at 436. The results for Toronto Hydro are
13 essentially unchanged after the adjustment with only around a 1% change in the
14 results for each year. See our response to the following question for the amended
15 model.
16
- 17 c) The SAIFI model results from the EViews file is provided below. This is subsequent to
18 the observation change identified in the prior question.

Dependent Variable: LOG(SAIFI E)				
Method: Panel EGLS (Cross-section weights)				
Date: 02/26/19 Time: 11:09				
Sample: 2010 2024 IF EXCLUDE=0 AND SNLID>0 AND SAIFI E>0				
Periods included: 15				
Cross-sections included: 74				
Total panel (unbalanced) observations: 436				
Linear estimation after one-step weighting matrix				
White cross-section standard errors & covariance (d.f. corrected)				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.379465	0.101223	-3.748800	0.0002
LOG(NRET)	-0.013518	0.006548	-2.064479	0.0396
LOG(PFORGIS1)	0.020127	0.009234	2.179651	0.0298
LOG(PCTUG)	-0.326741	0.010789	-30.28460	0.0000
LOG(SOKM/NRET)	0.027974	0.010980	2.547596	0.0112
IEEE	0.170842	0.015894	10.74879	0.0000
Weighted Statistics				
R-squared	0.698507	Mean dependent var	0.059283	
Adjusted R-squared	0.695001	S.D. dependent var	0.601412	
S.E. of regression	0.324600	Sum squared resid	45.30694	
F-statistic	199.2470	Durbin-Watson stat	0.716741	
Prob(F-statistic)	0.000000			
Unweighted Statistics				
R-squared	0.382196	Mean dependent var	-0.048912	
Sum squared resid	48.84812	Durbin-Watson stat	0.281249	

1

2 The CAIDI model results from the EViews file is provided below.

Dependent Variable: LOG(CAIDI E)				
Method: Panel EGLS (Cross-section weights)				
Date: 07/13/18 Time: 11:31				
Sample: 2010 2024 IF EXCLUDE=0 AND SNLID>0				
Periods included: 15				
Cross-sections included: 74				
Total panel (unbalanced) observations: 436				
Linear estimation after one-step weighting matrix				
White cross-section standard errors & covariance (d.f. corrected)				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.464542	0.079505	56.15455	0.0000
LOG(NRET)	0.023687	0.004387	5.399005	0.0000
LOG(PFORGIS1)	0.089565	0.004200	21.32499	0.0000
LOG(ELEVSTD)	0.060630	0.006692	9.060366	0.0000
LOG(SQKM/NRET)	0.063778	0.010632	5.998538	0.0000
PCTAMI	-0.090119	0.010751	-8.382607	0.0000
PCTCORE+PCTURBAN	6.688166	2.468945	2.708917	0.0070
Weighted Statistics				
R-squared	0.581662	Mean dependent var	7.930764	
Adjusted R-squared	0.575811	S.D. dependent var	5.311176	
S.E. of regression	0.238449	Sum squared resid	24.39198	
F-statistic	99.41443	Durbin-Watson stat	0.782697	
Prob(F-statistic)	0.000000			
Unweighted Statistics				
R-squared	0.270688	Mean dependent var	4.700770	
Sum squared resid	25.90367	Durbin-Watson stat	0.379476	

1

2 d) No. The actual customer variable was used. There was no reason to use a demeaned
3 version of the customer variable.

4

5 e) The dependent variables of SAIFI and CAIDI were logged. All independent or
6 explanatory variables were logged except for the variables that had some zero values.
7 The variables that were not logged due to zero values are the IEEE variable (in the
8 SAIFI model), the percent AMI variable (in the CAIDI model), and the percent
9 congested urban variable (in the CAIDI model).

- 1 f) Please see the response to part (b). The condition of “Exclude==0” will produce the
2 436 observations seen in the CAIDI model. For the SAIFI model, using both the
3 “Exclude==0” and “Badsq==0” conditions will produce the 420 observations seen in
4 the PSE report. As we discussed in our response to part (b), the results for Toronto
5 Hydro are meaningfully the same from the 420 observation sample originally provided
6 by PSE or if the sample is expanded to the 436 observation sample.
7
- 8 g) The econometric software will automatically exclude missing observations, including
9 this one, from the econometric model. There is no need to change the “badsq”
10 variable as the sample and results will be identical.

1 **TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO**
2 **OEB STAFF**

3
4 **UNDERTAKING NO. JTC4.32.4:**

5 **Reference(s): 1B-Staff-38**

6
7 PEG seeks some clarification of the response regarding the PSE response to question 38:

8 a) For each reliability model, was a trend variable considered?

9
10
11 **RESPONSE (PREPARED BY PSE):**

12 a) It was considered but given that the sample period was already restricted to 2010 to
13 2016, PSE believed that only seven years (six annual changes) was not enough to
14 include a trend variable.

**TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO
OEB STAFF**

UNDERTAKING NO. JTC4.32.5:

Reference(s): 1B-Staff-39

PEG is having difficulty replicating the prediction interval provided. Please provide the formula used to calculate the prediction interval.

RESPONSE (PREPARED BY PSE):

The EViews econometric software used by PSE can calculate the standard error of forecasted “out-of-sample” predictions such as the Toronto Hydro observations. PSE used the standard errors produced by EViews that includes coefficient uncertainty in the standard error calculation. For the prediction interval for 2015 to 2017, we averaged the calculated standard errors, divided by three, multiplied by the critical value of 1.96, and then both added and subtracted this value from the benchmark result. The interval on the CIR period followed the same procedure except the denominator was five rather than three since the CIR period includes five years.

The equation for the 2015 to 2017 interval is provided below.

$$2015 \text{ to } 2017 \text{ interval} = -18.6\% \pm 0.0566 * 1.96$$

TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO
OEB STAFF

UNDERTAKING NO. JTC4.32.6:

Reference(s): 1B-Staff-40

PEG has attempted to replicate both the total cost and reliability models. We obtain similar coefficient estimates but different standard errors. Inspection of the online EViews manual reveals more information about the GLS estimation and covariance method used.

a) Please confirm the following options were chosen in the “Equations Estimation” menu in EViews:

Effects specification

Cross-section: Fixed

Period: None

GLS Weights: Cross-section weights

Coef covariance method: White cross-section

b) Was the same estimation method used in both the cost and reliability benchmarking? If not, please identify the different steps in the program one would have to take to replicate the model(s).

c) Was EViews used for both cost and reliability model estimation? If STATA was used, please identify the steps necessary to replicate the model(s).

1 **RESPONSE (PREPARED BY PSE):**

2 a) The model specification in EViews that we used is:

3

4 Cross-section: None

5 Period: None

6 GLS Weights: Cross-section weights

7 Coef covariance method: White cross-section.

8

9 b) Yes, the same estimation method was used for both the cost and reliability
10 benchmarking.

11

12 c) Yes, EViews was used for both the cost and reliability model estimation. STATA was
13 not used.

**TECHNICAL CONFERENCE UNDERTAKING RESPONSES TO
OEB STAFF**

UNDERTAKING NO. JTC4.33:

Reference(s): PSE Report

To consult with engineers to see if they have anything to add to the contents of the report about the criterion for the congested urban and how it was determined, or how the task was approached, and if so to provide that additional information.

RESPONSE (PREPARED BY PSE):

The following response is in addition to what is provided on pages 30 through 33 of PSE's report titled "Econometric Benchmarking of Historical and Projected Total Cost and Reliability Levels", and to interrogatory responses and technical conference testimony regarding the congested urban variable.

For the purpose of constructing the congested urban variable, PSE assembled a small team led by an engineer who is experienced with designing and studying electric distribution systems in urban, suburban, and rural settings. The team makeup consisted of a GIS expert and three engineering technicians. The process of developing the congested urban variable was a detailed and intensive exercise (consisting of approximately 400 hours of effort to complete) as follows:

1. The GIS expert created a clean ESRI GIS database with a base map of the United States and Canada. The base map included publicly available visual layers such as street maps and aerial imagery.

- 1 2. Service territory boundaries of electric utilities, purchased from S&P Global Platts,
2 were then added to the database.
- 3 3. The GIS database was published to an ESRI ArcGIS tool made accessible to the
4 engineering technicians. The ArcGIS tool included an editing feature that allowed
5 the technicians to select and define areas within the database.
- 6 4. Using the ArcGIS tool, along with Google Earth, the engineering technicians were
7 instructed to identify the boundary of congested urban areas for cities with a
8 population of 200,000 or greater. More specifically, they were instructed to
9 identify the boundary of areas consisting of a concentration of buildings that are
10 approximately seven stories or greater and minimal setbacks that do not easily
11 accommodate aerial construction or padmounted equipment. (These physical
12 characteristics were used as they generally represent an environment in which the
13 cost density of the electric distribution infrastructure required to serve the area is
14 exponentially higher as compared to areas with other physical characteristics.)
- 15 5. The team of technicians identified congested urban area boundaries as stated
16 above by studying the aerial imagery within the ArcGIS tool as well as Google
17 Earth. Street views within Google Earth were also referenced when it was
18 deemed necessary by the technician.
- 19 6. After the congested urban areas were identified, one of the technicians reviewed
20 all areas to ensure consistency (making any minor adjustments where necessary).
- 21 7. The lead engineer performed various checks to verify that the congested urban
22 areas identified by the technicians consisted of major urban load centers with
23 physical constraints that necessitated a complex and costly subterranean civil
24 infrastructure for housing electrical distribution plant and unique electrical
25 equipment.

- 1 8. Using the congested urban areas identified by the team of technicians, the GIS
- 2 expert calculated the percent of congested urban area of the service territory of
- 3 each electric utility used in the PSE econometric model.
- 4 9. The percent of congested urban area (%UC variable) was tested within the PSE
- 5 econometric model and found to have a strong statistical significance.
- 6 10. A sensitivity assessment was then performed to determine if small deviations in
- 7 the defined urban areas had any meaningful impact on the econometric model
- 8 results. The results of this assessment did not show any meaningful impact, which
- 9 provided assurance that no further refinements were necessary or prudent.