Filed: 2010-11-09 EB-2010-0008 J5.7 Page 1 of 4

### UNDERTAKING J5.7 (NON-CONFIDENTIAL)

### <u>Undertaking</u>

To provide documentation to support the \$184 million estimate provided to the OPA.

6 7 8

1

2

3 4

5

## 9 <u>Response</u>

10

The \$184 million estimate was provided to the OPA with the information in the tables below. It is the sum of the Pickering B OM&A line under "Difference Continued Operations – Base Case" for 2010-2013, plus the 2014 amount attributable to Continued Operations. The relevant amounts are 14+50+41+35=\$140 million, plus \$43.7 million in 2014 (see footnote 6). These amounts include that portion of the Fuel Channel Lifecycle Management Program attributable to Pickering B Continued Operations.

17

18 As noted in L-01-067, the \$184M figure represents the cost of the Continued Operations

19 Initiative in 2010 dollars (i.e., unescalated), whereas the \$190.2 million in the business

20 case represents the same number expressed in dollars of the year (i.e., escalated).

1

# ONTARIO POWER GENERATION

Updated: Jan 15, 2010

				manage	ment of	1 / 101 00	nt. Ops. O					
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
				Base Case	e: 210 kEF	PH (No Lif	e Managem	ent of P7)				
Pickering A	Total OM&A (M2010\$)	376	353	373	368	335	0	0	0	0	0	0
	Fuel (M2010\$)	23	29	32	32	30	0	0	0	0	0	0
	Energy (TWh)	6.7	7.4	7.7	7.7	7.3	0.0	0.0	0.0	0.0	0.0	0.0
	PO Days	145	82	75	78	30	0	0	0	0	0	0
	ACF (%)	73.7	82.6	85.3	84.8	91.5	n/a	n/a	n/a	n/a	n/a	n/a
	FLR (%)	8.0	7.0	5.0	5.0	4.0	n/a	n/a	n/a	n/a	n/a	n/a
Pickering B	Total OM&A (M2010\$)	562	531	598	596	483	292	39	0	0	0	0
	Fuel (M2010\$)	55	69	75	78	50	21	3	0	0	0	0
	Energy (TWh)	14.1	15.8	16.0	16.3	10.5	4.3	0.6	0.0	0.0	0.0	0.0
	PO Days	263	120	116	85	65	0	0	0	0	0	0
	ACF (%)	77.9	87.7	88.4	90.4	89.4	96.0	96.0	n/a	n/a	n/a	n/a
	FLR (%)	5.8	5.0	4.5	4.0	4.0	4.0	4.0	n/a	n/a	n/a	n/a
			Con	itinued Op	erations:	240 kEFPH	(Life Mana	gement of F	(7')			
Pickering A	Total OM&A (M2010\$)	376	353	373	368	381	377	377	377	377	377	153
	Fuel (M2010\$)	23	29	32	32	32	32	32	32	32	33	14
	Energy (TWh)	6.7	7.4	7.7	7.7	7.8	7.8	7.8	7.7	7.8	8.0	3.3
	PO Days	145	82	75	78	70	70	70	70	60	30	0
	ACF (%)	73.7	82.6	85.3	84.8	86.8	86.8	86.4	85.9	86.3	88.7	90.5
	FLR (%)	8.0	7.0	5.0	5.0	4.0	4.0	4.5	5.0	6.0	7.5	9.5
Pickering B	Total OM&A (M2010\$)	576	580	638	630	642	584	584	584	519	409	166
	Fuel (M2010\$)	53	64	72	72	69	65	71	67	54	40	16
	Energy (TWh)	13.8	14.6	15.4	15.3	14.5	13.8	15.0	14.2	11.3	8.4	3.4
	PO Days	291	222	172	177	238	296	192	247	165	0	0
	ACF (%)	76.1	81.0	84.7	84.4	80.4	76.3	82.8	78.6	80.1	93.3	91.5
	FLR (%)	5.8	5.0	4.5	4.0	4.0	4.3	4.6	5.4	6.5	6.8	8.5
				Differe	nce: Conti	inued Opera	ations - Bas	e Case				
Pickering A	Total OM&A (M2010\$)	0	0	0	0	45	377	377	377	377	377	153
	Fuel (M2010\$)	0	0	0	0	2	32	32	32	32		14
	Energy (TWh)	0	0	0	0	2.2.2.2.2.2.2.1	8	8	8	S S S S S	8	3
	PO Days	0	0	0	0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ACF (%)	0.0	0.0	0.0	0.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	FLR (%)	0.0	0.0	0.0	0.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Pickering B	Total OM&A (M2010\$)	14	50	41	35	158	292	545	584	519	489	100
	Fuel (M2010\$)	-1	-5	-3	-5	139						
	Energy (TWh)	0	-1	-1	-1	4			14	110	8	3
	PO Days	28	102	56	92	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	ACF (%)	-1.8	-6.7	-3.7	-6.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	FLR (%)	0.0	0.0	0.0	0.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

#### PICKERING A & B: BASE CASE AND CONTINUED OPERATIONS DATA (Life Management of P7 for Cont. Ops. Only)

Notes: 1. OM&A costs include OM&A project costs. For simplicity, sustaining capital projects are also included in this line. Total OM&A also includes each station's share of incremental allocated nuclear support and corporate support costs.

share or incremental allocated nuclear support and corporate support costs.
In the years when units transition to out-of-service, rules are applied to calculate the station annual OM&A.
This analysis does not show the impact of extending the unit lives on OPG's Decommissioning. Low & Intermediate Level Waste and Used Fuel management provisions.
FLR is an average of the unit FLR's for those units which are operating during a year.
Shaded cells indicate partial year operation of 1 or 2 units depending on the case.
\$4.7 million (2010\$) of incremental Pickering B costs in 2014 are attributed to work to enable Continued Operations. The remaining Costs, Fuel and Energy of the continued Operations. differences from 2014 to 2020 are not attributable to work to implement Continued Operations, but reflect the fact that the Pickering A and B units are assumed to operate beyond the period assumed in the Base Case.

Filed: 2010-11-09 EB-2010-0008 J5.7 Page 3 of 4

BASE CASE: No Continued Operations (210 kEFPH, no Life Management of P7) Sample Outage Plan 2010 - 2016

1

# REDACTED

Filed: 2010-11-09 EB-2010-0008 J5.7 Page 4 of 4

1 2

> Continued Operations: (240 kEFPH, Life Management of P7) Sample Outage Plan 2010 – 2020

# REDACTED