

**Site C Review - Responses to questions raised by Deloitte
August 23, 2017**

CONFIDENTIAL

No.	
175	<p data-bbox="212 365 1406 396">Date/Source of Question: Email from [REDACTED] to [REDACTED] on August 23, 2017 at 10:20pm</p> <p data-bbox="212 436 805 468">Response provided by: [REDACTED]</p> <p data-bbox="212 508 591 539">Functional Approver: [REDACTED]</p> <p data-bbox="212 579 1406 653">Question: Provide the total DSM forecast (including rate structure, codes and standards rates, and programs) segmented into Residential, Commercial and Industrial out to 2036?</p> <p data-bbox="212 693 1406 789">Response: Below is the DSM savings forecast (for energy and capacity) that is contained with the Load Forecast in BC Hydro's F17-F19 RRA. The savings have been risk-adjusted (mid).</p>

F17-F19 RRA DSM Plan																					
Risk-Adjusted (mid) Cumulative Electricity Savings at Customer Meter																					
ACQUIRED ENERGY (GWH)	F2016	F2017	F2018	F2019	F2020	F2021	F2022	F2023	F2024	F2025	F2026	F2027	F2028	F2029	F2030	F2031	F2032	F2033	F2034	F2035	F2036
Residential																					
Codes and Standards	224	500	674	845	1,022	1,297	1,542	1,690	1,810	1,909	1,992	2,062	2,125	2,187	2,248	2,307	2,365	2,421	2,475	2,529	2,529
Rate Structure	26	34	45	53	55	58	68	80	95	82	98	113	129	143	157	171	186	197	210	221	221
Programs	27	62	90	115	138	153	170	182	195	207	219	230	238	246	252	257	262	267	273	278	278
Residential TOTAL	278	596	810	1,014	1,215	1,507	1,779	1,952	2,100	2,199	2,308	2,404	2,493	2,575	2,657	2,735	2,813	2,886	2,958	3,029	3,029
Commercial																					
Codes and Standards	59	140	204	290	404	547	681	791	883	954	1,013	1,064	1,109	1,154	1,198	1,244	1,290	1,336	1,382	1,427	1,427
Rate Structure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Programs	34	139	218	263	315	367	401	431	458	482	503	521	535	544	551	559	549	543	548	548	548
Commercial TOTAL	93	279	422	553	719	914	1,082	1,222	1,341	1,436	1,516	1,585	1,645	1,698	1,749	1,802	1,839	1,879	1,930	1,976	1,976
Industrial																					
Codes and Standards	9	20	26	34	43	55	68	77	86	93	99	105	110	114	117	119	121	123	125	126	126
Rate Structure	105	71	126	125	131	131	131	130	130	130	130	129	129	128	128	128	128	128	128	128	128
Programs	123	278	391	652	731	810	881	944	1,018	1,093	1,144	1,201	1,246	1,273	1,274	1,251	1,244	1,239	1,158	1,158	1,158
Industrial TOTAL	237	369	543	811	905	997	1,080	1,152	1,233	1,315	1,373	1,435	1,485	1,515	1,518	1,497	1,493	1,490	1,411	1,412	1,412
PORTFOLIO TOTAL	609	1,243	1,775	2,378	2,839	3,418	3,941	4,326	4,674	4,950	5,197	5,423	5,622	5,788	5,924	6,035	6,145	6,254	6,299	6,417	6,417
PEAK CAPACITY (MW)	F2016	F2017	F2018	F2019	F2020	F2021	F2022	F2023	F2024	F2025	F2026	F2027	F2028	F2029	F2030	F2031	F2032	F2033	F2034	F2035	F2036
Residential																					
Codes and Standards	65	146	185	219	254	326	391	420	440	456	469	480	490	499	508	517	525	532	545	558	558
Rate Structure	6	7	10	11	12	12	14	17	20	17	20	23	26	28	31	33	36	38	40	42	42
Programs	7	18	25	32	38	42	46	50	53	55	59	61	63	65	67	68	69	71	73	75	75
Residential TOTAL	78	171	220	262	304	381	452	486	512	528	547	564	579	593	606	618	630	641	658	675	675
Commercial																					
Codes and Standards	8	20	28	39	54	74	91	104	114	122	128	133	137	141	144	148	152	156	161	167	167
Rate Structure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Programs	5	20	31	38	46	53	58	62	65	68	70	72	74	75	76	76	75	73	74	74	74
Commercial TOTAL	13	39	59	77	100	127	148	165	179	190	198	205	211	216	220	224	227	229	236	241	241
Industrial																					
Codes and Standards	1	2	3	4	5	6	8	9	10	10	11	11	12	12	12	12	12	13	13	13	13
Rate Structure	13	8	15	15	16	16	16	15	15	15	15	15	14	14	14	14	14	14	14	14	14
Programs	15	34	47	79	89	99	107	114	121	129	134	140	144	145	144	140	138	137	128	128	128
Industrial TOTAL	29	45	66	98	110	121	130	138	146	155	160	166	170	172	171	167	165	163	154	154	154
PORTFOLIO TOTAL	120	255	345	437	514	628	730	789	838	873	906	934	959	980	996	1,009	1,021	1,033	1,048	1,070	1,070