

Qulliq Energy Corporation
FUEL STABILIZATION RATE RIDER APPLICATION
Fuel Stabilization Rate Rider Calculation

	Forecast Balance at September 30, 2016	Forecast Charges to Fund Between October 1, 2016 to March 31, 2017	Interest Charge	Total
<i>FSRF balance (\$000)</i>	-407	-4,572	-6	-4,985
Forecast Sales for the next 6-month (MWh)	94,738	94,738	94,738	94,738
FSR Rider required (c/kWh)	-0.43	-4.83	-0.01	-5.26

Qulliq Energy Corporation
FUEL STABILIZATION RATE RIDER APPLICATION
USING THE GRA APPROVAL FOR EFFICIENCY AND FUEL PRICE

Line no.		Actuals											
		Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16
1	Sales (MWh)	14,378	12,438	12,421	12,454	12,229	12,894	14,752	14,449	16,556	15,251	16,545	16,511
2	Losses and Station Service (MWh)	1,133	1,990	1,061	764	1,369	946	1,375	1,979	1,229	2,529	454	841
3	Losses and Station Service as a percent of Generation	7.3%	13.8%	7.9%	5.8%	10.1%	6.8%	8.5%	12.0%	6.9%	14.2%	2.7%	4.8%
4	Diesel Generation (MWh)	15,511	14,428	13,482	13,218	13,598	13,840	16,128	16,427	17,785	17,780	16,999	17,352
5	Weighted Average GRA Fuel Efficiency (kWh/L)	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71
6	Litre of Fuel Required (000 Litre)	4,180	3,889	3,630	3,562	3,663	3,730	4,343	4,426	4,793	4,790	4,580	4,674
7	Weighted Average Fuel Price (\$/L)	1.150	1.149	1.161	1.091	1.034	1.030	1.030	1.061	1.050	1.034	1.009	1.030
8	Weighted Average GRA Fuel Price (\$/L)	1.100	1.100	1.100	1.101	1.101	1.101	1.102	1.101	1.102	1.102	1.101	1.102
9	Increase (Decrease) in Fuel Price (\$) (L7 - L8)	0.049	0.048	0.060	(0.010)	(0.067)	(0.071)	(0.072)	(0.040)	(0.053)	(0.068)	(0.092)	(0.072)
10	Additional Diesel Cost (\$000)	206	188	219	(36)	(247)	(264)	(312)	(178)	(252)	(328)	(423)	(338)
	Fuel Stabilization Fund Continuity (\$000)												
11	Opening Deficiency (Surplus)	(99)	106	295	516	481	234	(29)	(342)	(261)	(216)	(272)	(398)
12	Refund/(Collection) Rider								259	298	273	298	301
13	Additional Diesel Cost (L10)	206	188	219	(36)	(247)	(264)	(312)	(178)	(252)	(328)	(423)	(338)
14	Closing Balance Before Interest (L11+L12+L13)	106	295	515	480	234	(29)	(341)	(261)	(216)	(272)	(397)	(434)
15	Interest Rate (Bank of Canada Prime less 50 points)	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
16	Interest Earned (Charged)		1	1	1		(1)	(1)	(1)	(1)	(1)	(1)	(1)
17	Closing Balance (L14+L16)	106	295	516	481	234	(29)	(342)	(261)	(216)	(272)	(398)	(435)

Qulliq Energy Corporation
FUEL STABILIZATION RATE RIDER APPLICATION
USING THE GRA APPROVAL FOR EFFICIENCY AND FUEL PRICE

Line no.		Preliminary Actual				Forecast							
		Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
1	Sales (MWh)	14,451	13,131	12,763	11,596	12,243	13,896	14,497	14,917	16,770	16,593	15,936	16,023
2	Losses and Station Service (MWh)	1,084	1,511	846	1,610	1,125	1,278	1,339	1,371	1,552	1,523	1,465	1,484
3	Losses and Station Service as a percent of Generation	7.0%	10.3%	6.2%	12.2%	8.4%	8.4%	8.5%	8.4%	8.5%	8.4%	8.4%	8.5%
4	Diesel Generation (MWh)	15,535	14,643	13,609	13,207	13,368	15,174	15,836	16,289	18,323	18,116	17,402	17,508
5	Weighted Average GRA Fuel Efficiency (kWh/L)	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71	3.71
6	Litre of Fuel Required (000 Litre)	4,186	3,944	3,663	3,556	3,599	4,087	4,267	4,391	4,939	4,881	4,687	4,722
7	Weighted Average Fuel Price (\$/L)	1.045	1.044	1.059	1.024	0.932	0.905	0.887	0.890	0.915	0.958	0.981	0.983
8	Weighted Average GRA Fuel Price (\$/L)	1.102	1.101	1.102	1.100	1.101	1.100	1.102	1.101	1.101	1.099	1.102	1.100
9	Increase (Decrease) in Fuel Price (\$) (L7 - L8)	(0.057)	(0.058)	(0.043)	(0.075)	(0.169)	(0.196)	(0.215)	(0.211)	(0.186)	(0.142)	(0.121)	(0.117)
10	Additional Diesel Cost (\$000)	(240)	(227)	(159)	(267)	(609)	(800)	(916)	(925)	(920)	(692)	(567)	(552)
	Fuel Stabilization Fund Continuity (\$000)												
11	Opening Deficiency (Surplus)	(435)	(235)	(50)	154	201	(32)	(407)	(562)	(703)	(742)	(562)	(291)
12	Refund/(Collection) Rider	441	412	363	314	376	427	763	785	882	873	839	843
13	Additional Diesel Cost (L10)	(240)	(227)	(159)	(267)	(609)	(800)	(916)	(925)	(920)	(692)	(567)	(552)
14	Closing Balance Before Interest (L11+L12+L13)	(234)	(50)	154	200	(32)	(406)	(560)	(701)	(740)	(560)	(290)	
15	Interest Rate (Bank of Canada Prime less 50 points)	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
16	Interest Earned (Charged)	(1)	(1)			(1)	(1)	(1)	(1)	(2)	(1)	(1)	
17	Closing Balance (L14+L16)	(235)	(50)	154	201	(32)	(407)	(562)	(703)	(742)	(562)	(291)	

Notes:

1. April 2016 - July 2016 sales and generation numbers are based on preliminary actuals, August 2016 to March 2017 are based 2016/17 load forecast.
2. Forecast fuel prices reflect weighted average fuel prices based on fuel inventory and a mixture of bulk fuel and nominated fuel deliveries.

QULLIQ ENERGY CORPORATION
FUEL STABILIZATION RATE RIDER APPLICATION
Weighted Average Fuel Efficiency Calculation

Plant No.	Plant	Approved Efficiency kWh/L	Apr-15		May-15		Jun-15		Jul-15		Aug-15		Sep-15	
			Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period
			MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L
		A	B	C=B/A	B	C=B/A	B	C=B/A	B	C=B/A	B	C=B/A	B	C=B/A
501	Cambridge Bay	3.69	991	269	909	246	827	224	805	218	832	226	907	246
502	Gjoa Haven	3.73	483	129	443	119	376	101	375	100	382	103	410	110
503	Taloyoak	3.58	325	91	303	85	268	75	271	76	281	78	298	83
504	Kugaaruk	3.98	227	57	225	56	186	47	195	49	211	53	214	54
505	Kugluktuk	3.55	478	135	436	123	411	116	424	119	433	122	452	127
601	Rankin Inlet	3.77	1,495	397	1,414	375	1,367	363	1,199	318	1,306	346	1,347	357
602	Baker Lake	3.86	762	197	692	179	599	155	573	148	621	161	664	172
603	Arviat	3.77	768	204	695	184	639	169	625	166	644	171	667	177
604	Coral Harbour	3.46	294	85	271	78	245	71	253	73	256	74	265	77
605	Chesterfield Inlet	3.46	179	52	165	48	139	40	142	41	144	42	145	42
606	Whale Cove	3.54	153	43	146	41	128	36	133	38	148	42	145	41
607	Repulse Bay	3.81	358	94	340	89	293	77	271	71	257	67	312	82
701	Iqaluit	3.82	4,789	1,254	4,437	1,162	4,442	1,163	4,348	1,138	4,479	1,173	4,282	1,121
702	Pangnirtung	3.72	548	147	509	137	518	139	501	135	436	117	430	116
703	Cape Dorset	3.45	501	145	484	140	438	127	449	130	465	135	429	124
704	Resolute Bay	3.66	415	113	386	106	335	91	344	94	301	82	344	94
705	Pond Inlet	3.56	520	146	467	131	405	114	416	117	456	128	482	135
706	Igloolik	3.49	566	162	528	151	467	134	481	138	490	140	501	143
707	Hall Beach	3.63	273	75	251	69	223	61	242	67	243	67	264	73
708	Qikiqtarjuaq	3.51	227	65	218	62	188	54	190	54	194	55	203	58
709	Kimmirut	3.52	165	47	161	46	149	42	153	43	158	45	155	44
710	Arctic Bay	3.61	262	72	236	65	209	58	209	58	220	61	238	66
711	Clyde River	3.67	327	89	307	84	274	75	269	73	288	79	311	85
712	Grise Fiord	3.47	101	29	95	27	82	24	83	24	83	24	91	26
713	Saniqiluaq	3.67	305	83	312	85	275	75	267	73	270	73	284	77
Total			15,511	4,180	14,428	3,889	13,482	3,630	13,218	3,562	13,598	3,663	13,840	3,730
Weighted Average Efficiency			3.710		3.710		3.714		3.711		3.712		3.710	

QULLIQ ENERGY CORPORATION
FUEL STABILIZATION RATE RIDER APPLICATION
Weighted Average Fuel Efficiency Calculation

Plant No.	Plant	Approved Efficiency	Oct-15		Nov-15		Dec-15		Jan-16		Feb-16		Mar-16	
			Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period
			MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L
		A	B	C=B/A	B	C=B/A	B	C=B/A	B	C=B/A	B	C=B/A	B	C=B/A
501	Cambridge Bay	3.69	1,105	299	1,048	284	1,243	337	1,284	348	1,185	321	1,223	331
502	Gjoa Haven	3.73	479	128	503	135	558	150	548	147	518	139	545	146
503	Taloyoak	3.58	349	97	362	101	396	110	384	107	360	101	369	103
504	Kugaaruk	3.98	245	62	256	64	280	70	274	69	259	65	257	65
505	Kugluktuk	3.55	496	140	509	143	562	158	567	160	539	152	533	150
601	Rankin Inlet	3.77	1,551	411	1,599	424	1,723	457	1,752	465	1,678	445	1,683	446
602	Baker Lake	3.86	769	199	800	207	884	229	877	227	846	219	828	215
603	Arviat	3.77	749	199	739	196	789	209	812	215	772	205	762	202
604	Coral Harbour	3.46	304	88	314	91	349	101	333	96	322	93	320	93
605	Chesterfield Inlet	3.46	169	49	182	53	206	60	206	60	198	57	194	56
606	Whale Cove	3.54	161	46	173	49	178	50	173	49	139	39	167	47
607	Repulse Bay	3.81	359	94	369	97	388	102	386	101	385	101	397	104
701	Iqaluit	3.82	5,181	1,356	5,185	1,357	5,605	1,467	5,596	1,465	5,292	1,385	5,504	1,441
702	Pangnirtung	3.72	525	141	560	151	414	111	464	125	535	144	568	153
703	Cape Dorset	3.45	469	136	467	135	508	147	473	137	508	147	494	143
704	Resolute Bay	3.66	383	105	388	106	418	114	415	113	425	116	453	124
705	Pond Inlet	3.56	536	151	580	163	648	182	629	177	602	169	615	173
706	Igloolik	3.49	559	160	576	165	631	181	621	178	582	167	584	167
707	Hall Beach	3.63	290	80	299	82	335	92	330	91	310	85	317	87
708	Qikiqtarjuaq	3.51	224	64	249	71	281	80	280	80	267	76	254	72
709	Kimmirut	3.52	172	49	185	53	207	59	210	60	179	51	185	53
710	Arctic Bay	3.61	281	78	308	85	330	91	318	88	296	82	285	79
711	Clyde River	3.67	336	92	351	96	387	105	370	101	353	96	358	97
712	Grise Fiord	3.47	103	30	118	34	127	37	124	36	115	33	116	33
713	Saniqiluaq	3.67	331	90	308	84	337	92	354	96	336	91	341	93
Total			16,128	4,343	16,427	4,426	17,785	4,793	17,780	4,790	16,999	4,580	17,352	4,674
Weighted Average Efficiency			3.713		3.712		3.711		3.712		3.711		3.712	

QULLIQ ENERGY CORPORATION
FUEL STABILIZATION RATE RIDER APPLICATION
Weighted Average Fuel Efficiency Calculation

Plant No.	Plant	Approved Efficiency kWh/L	Apr-16		May-16		Jun-16		Jul-16		Aug-16		Sep-16	
			Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period	Actual Generation	Fuel Req. Period	Forecast Generation	Fuel Req. Period	Forecast Generation	Fuel Req. Period
			MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L
			A	B	C=B/A	B	C=B/A	B	C=B/A	B	C=B/A	B	C=B/A	B
501	Cambridge Bay	3.69	1,102	299	891	241	833	226	850	230	862	234	899	244
502	Gjoa Haven	3.73	530	142	486	130	419	112	407	109	388	104	450	121
503	Taloyoak	3.58	342	95	302	84	261	73	210	59	256	71	278	78
504	Kugaaruk	3.98	234	59	223	56	200	50	204	51	211	53	226	57
505	Kugluktuk	3.55	484	136	443	125	406	114	402	113	377	106	457	129
601	Rankin Inlet	3.77	1,548	410	1,437	381	1,325	352	1,333	354	1,212	321	1,439	382
602	Baker Lake	3.86	771	200	659	171	588	152	610	158	653	169	698	181
603	Arviat	3.77	723	192	682	181	650	172	640	170	676	179	730	194
604	Coral Harbour	3.46	293	85	278	80	251	73	249	72	234	68	265	77
605	Chesterfield Inlet	3.46	184	53	158	46	139	40	136	39	129	37	175	50
606	Whale Cove	3.54	158	45	145	41	133	38	147	42	156	44	139	39
607	Repulse Bay	3.81	373	98	354	93	306	80	310	81	274	72	323	85
701	Iqaluit	3.82	4,708	1,232	4,632	1,213	4,564	1,195	4,189	1,097	4,388	1,149	5,002	1,309
702	Pangnirtung	3.72	451	121	610	164	464	125	495	133	463	124	515	138
703	Cape Dorset	3.45	449	130	448	130	422	122	409	119	472	137	518	150
704	Resolute Bay	3.66	429	117	365	100	325	89	316	86	329	90	362	99
705	Pond Inlet	3.56	526	148	476	134	429	120	443	125	432	121	512	144
706	Igloolik	3.49	522	150	488	140	437	125	451	129	443	127	529	152
707	Hall Beach	3.63	282	78	250	69	234	65	230	63	262	72	242	67
708	Qikiqtarjuaq	3.51	235	67	221	63	202	58	205	58	184	52	232	66
709	Kimmirut	3.52	169	48	162	46	146	42	148	42	157	45	179	51
710	Arctic Bay	3.61	291	81	251	69	223	62	226	63	218	60	263	73
711	Clyde River	3.67	319	87	289	79	257	70	253	69	253	69	337	92
712	Grise Fiord	3.47	99	29	88	25	106	31	63	18	83	24	114	33
713	Saniqiluaq	3.67	313	85	306	83	290	79	279	76	258	70	291	79
Total			15,535	4,186	14,643	3,944	13,609	3,663	13,207	3,556	13,368	3,599	15,174	4,087
Weighted Average Efficiency			3.711		3.713		3.715		3.714		3.714		3.712	

QULLIQ ENERGY CORPORATION
FUEL STABILIZATION RATE RIDER APPLICATION
Weighted Average Fuel Efficiency Calculation

Plant No.	Plant	Approved Efficiency	Oct-16		Nov-16		Dec-16		Jan-17		Feb-17		Mar-17	
			Forecast Generation	Fuel Req. Period	Forecast Generation	Fuel Req. Period	Forecast Generation	Fuel Req. Period	Forecast Generation	Fuel Req. Period	Forecast Generation	Fuel Req. Period	Forecast Generation	Fuel Req. Period
			MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L	MWh	000 L
		A	B	C=B/A	B	C=B/A	B	C=B/A	B	C=B/A	B	C=B/A	B	C=B/A
501	Cambridge Bay	3.69	1,037	281	999	271	1,293	350	1,405	381	1,162	315	1,377	373
502	Gjoa Haven	3.73	493	132	473	127	562	151	509	136	514	138	530	142
503	Taloyoak	3.58	355	99	361	101	434	121	352	98	385	108	397	111
504	Kugaaruk	3.98	231	58	244	61	303	76	275	69	266	67	277	70
505	Kugluktuk	3.55	498	140	539	152	611	172	453	128	556	157	540	152
601	Rankin Inlet	3.77	1,559	414	1,639	435	1,991	528	1,680	446	1,668	443	1,817	482
602	Baker Lake	3.86	567	147	833	216	904	234	857	222	758	196	870	225
603	Arviat	3.77	677	179	786	208	784	208	892	237	826	219	789	209
604	Coral Harbour	3.46	300	87	316	91	351	101	348	101	321	93	349	101
605	Chesterfield Inlet	3.46	167	48	203	59	219	63	205	59	199	57	212	61
606	Whale Cove	3.54	172	48	173	49	202	57	187	53	184	52	184	52
607	Repulse Bay	3.81	340	89	370	97	377	99	349	92	396	104	448	118
701	Iqaluit	3.82	5,269	1,379	5,000	1,309	5,413	1,417	5,737	1,502	5,608	1,468	4,987	1,306
702	Pangnirtung	3.72	531	143	528	142	639	172	626	168	644	173	578	155
703	Cape Dorset	3.45	484	140	506	147	556	161	539	156	528	153	554	160
704	Resolute Bay	3.66	410	112	373	102	462	126	420	115	423	116	492	134
705	Pond Inlet	3.56	517	145	562	158	591	166	691	194	571	160	536	150
706	Igloolik	3.49	542	155	594	170	591	169	620	178	558	160	617	177
707	Hall Beach	3.63	312	86	316	87	333	92	347	96	307	85	317	87
708	Qikiqtarjuaq	3.51	217	62	255	73	284	81	271	77	239	68	248	71
709	Kimmirut	3.52	202	57	168	48	203	58	209	59	193	55	212	60
710	Arctic Bay	3.61	261	72	277	77	321	89	312	86	300	83	312	86
711	Clyde River	3.67	307	84	338	92	405	110	349	95	369	100	381	104
712	Grise Fiord	3.47	95	27	120	35	128	37	129	37	102	29	129	37
713	Saniqiluaq	3.67	293	80	316	86	365	100	354	97	323	88	354	96
Total			15,836	4,267	16,289	4,391	18,323	4,939	18,116	4,881	17,402	4,687	17,508	4,722
Weighted Average Efficiency			3.712		3.710		3.710		3.712		3.713		3.708	

QULLIQ ENERGY CORPORATION
FUEL STABILIZATION RATE RIDER APPLICATION
Weighted Average Fuel Price Calculation

Plant No.	Plant	2014/15 GRA Fuel Price \$/L	Apr-15				May-15				Jun-15				Jul-15			
			Actual Fuel Price \$/L	Fuel Req. Period 000 L	GRA Fuel Cost by Community 000 \$	Fuel Cost by Community 000 \$	Actual Fuel Price \$/L	Fuel Req. Period 000 L	GRA Fuel Cost by Community 000 \$	Fuel Cost by Community 000 \$	Actual Fuel Price \$/L	Fuel Req. Period 000 L	GRA Fuel Cost by Community 000 \$	Fuel Cost by Community 000 \$	Actual Fuel Price \$/L	Fuel Req. Period 000 L	GRA Fuel Cost by Community 000 \$	Fuel Cost by Community 000 \$
			B	C	D	E	B	C	D	E	B	C	D	E	B	C	D	E
501	Cambridge Bay	1.0730	1.1318	269	288	304	1.1297	246	264	278	1.1983	224	241	269	1.1983	218	234	261
502	Gjoa Haven	1.2742	1.2742	129	165	165	1.2742	119	151	151	1.2742	101	128	128	1.2742	100	128	128
503	Taloyoak	1.3240	1.3247	91	120	120	1.3243	85	112	112	1.3241	75	99	99	1.3241	76	100	100
504	Kugaaruk	1.3243	1.3243	57	75	75	1.3243	56	75	75	1.3243	47	62	62	1.3243	49	65	65
505	Kugluktuk	1.1328	1.1592	135	153	156	1.1592	123	139	142	1.1592	116	131	134	1.1199	119	135	134
601	Rankin Inlet	1.0399	1.0884	397	412	432	1.0884	375	390	408	1.1083	363	377	402	0.9556	318	331	304
602	Baker Lake	1.1563	1.1563	197	228	228	1.1563	179	207	207	1.1563	155	180	180	1.1563	148	172	172
603	Arviat	1.0318	1.0863	204	210	221	1.0863	184	190	200	1.0863	169	175	184	0.9553	166	171	158
604	Coral Harbour	1.1452	1.1452	85	97	97	1.1452	78	90	90	1.1452	71	81	81	1.1452	73	84	84
605	Chesterfield Inlet	1.2271	1.2249	52	63	63	1.2249	48	59	58	1.2249	40	49	49	1.2262	41	50	50
606	Whale Cove	1.1305	1.1305	43	49	49	1.1305	41	46	46	1.1305	36	41	41	1.1305	38	42	42
607	Repulse Bay	1.1461	1.1655	94	108	110	1.1653	89	102	104	1.1651	77	88	90	1.1651	71	82	83
701	Iqaluit	1.1478	1.2680	1,254	1,439	1,590	1.2680	1,162	1,333	1,473	1.2779	1,163	1,335	1,486	1.1254	1,138	1,306	1,281
702	Pangnirtung	0.9903	0.9903	147	146	146	0.9903	137	135	135	0.9903	139	138	138	0.9903	135	133	133
703	Cape Dorset	0.9773	0.9773	145	142	142	0.9773	140	137	137	0.9773	127	124	124	0.9773	130	127	127
704	Resolute Bay	1.0653	1.0653	113	121	121	1.0653	106	112	112	1.0653	91	97	97	1.0653	94	100	100
705	Pond Inlet	0.9981	0.9981	146	146	146	0.9981	131	131	131	0.9981	114	113	113	0.9981	117	117	117
706	Igloolik	1.0202	1.0202	162	166	166	1.0202	151	154	154	1.0202	134	137	137	1.0202	138	141	141
707	Hall Beach	1.0074	1.0215	75	76	77	1.0215	69	70	70	1.0215	61	62	63	1.0215	67	67	68
708	Qikiqtarjuaq	0.9773	0.9773	65	63	63	0.9773	62	61	61	0.9773	54	52	52	0.9773	54	53	53
709	Kimmirut	0.9775	0.9911	47	46	47	0.9911	46	45	45	0.9911	42	41	42	0.9911	43	42	43
710	Arctic Bay	1.0024	1.0024	72	73	73	1.0024	65	65	65	1.0024	58	58	58	1.0024	58	58	58
711	Clyde River	0.9926	0.9944	89	88	89	0.9769	84	83	82	0.9769	75	74	73	0.9769	73	73	72
712	Grise Fiord	1.0334	1.0871	29	30	32	1.0875	27	28	30	1.0875	24	24	26	1.0877	24	25	26
713	Saniqiluaq	1.1536	1.1536	83	96	96	1.1536	85	98	98	1.1536	75	86	86	1.1536	73	84	84
Total				4,180	4,600	4,806		3,889	4,279	4,468		3,630	3,994	4,214		3,562	3,920	3,884
Weighted Average					1.100	1.150			1.100	1.149			1.100	1.161			1.101	1.091

QULLIQ ENERGY CORPORATION
FUEL STABILIZATION RATE RIDER APPLICATION
Weighted Average Fuel Price Calculation

Plant No.	Plant	2014/15 GRA Fuel Price	Aug-15				Sep-15				Oct-15				Nov-15			
			Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Fuel Cost by Community	Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Fuel Cost by Community	Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Fuel Cost by Community	Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Fuel Cost by Community
			\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$
		A	B	C	D	E	B	C	D	E	B	C	D	E	B	C	D	E
501	Cambridge Bay	1.0730	1.1446	226	242	258	1.0842	246	264	267	1.0842	299	321	325	1.0842	284	305	308
502	Gjoa Haven	1.2742	1.2742	103	131	131	1.2742	110	140	140	1.2742	128	164	164	1.2742	135	172	172
503	Taloyoak	1.3240	1.3241	78	104	104	1.3241	83	110	110	1.3241	97	129	129	1.3241	101	134	134
504	Kugaaruk	1.3243	1.3243	53	70	70	1.3243	54	71	71	1.3243	62	82	82	1.3243	64	85	85
505	Kugluktuk	1.1328	1.1199	122	138	136	0.9984	127	144	127	0.9984	140	158	140	0.9984	143	162	143
601	Rankin Inlet	1.0399	0.9556	346	360	331	0.9556	357	372	341	0.9487	411	428	390	0.9487	424	441	402
602	Baker Lake	1.1563	1.1563	161	186	186	1.1563	172	199	199	1.1563	199	230	230	1.1563	207	240	240
603	Arviat	1.0318	0.9553	171	176	163	0.9553	177	183	169	0.9388	199	205	186	0.9388	196	202	184
604	Coral Harbour	1.1452	1.1452	74	85	85	1.1452	77	88	88	1.1452	88	101	101	1.1452	91	104	104
605	Chesterfield Inlet	1.2271	1.2264	42	51	51	1.2264	42	51	51	1.2267	49	60	60	1.2267	53	65	65
606	Whale Cove	1.1305	1.1305	42	47	47	1.1305	41	46	46	1.1305	46	52	52	1.1305	49	55	55
607	Repulse Bay	1.1461	1.0544	67	77	71	1.1232	82	94	92	1.1232	94	108	106	1.1531	97	111	112
701	Iqaluit	1.1478	0.9682	1,173	1,346	1,135	0.9682	1,121	1,287	1,085	0.9799	1,356	1,557	1,329	1.0769	1,357	1,558	1,462
702	Pangnirtung	0.9903	0.9903	117	116	116	0.9903	116	115	115	0.9903	141	140	140	0.9903	151	149	149
703	Cape Dorset	0.9773	0.9773	135	132	132	0.9773	124	121	121	0.9773	136	133	133	0.9773	135	132	132
704	Resolute Bay	1.0653	1.0653	82	88	88	1.0653	94	100	100	1.0653	105	112	112	1.0653	106	113	113
705	Pond Inlet	0.9981	0.9981	128	128	128	0.9981	135	135	135	0.9981	151	150	150	0.9981	163	162	162
706	Igloodik	1.0202	1.0202	140	143	143	1.0202	143	146	146	1.0202	160	163	163	1.0202	165	168	168
707	Hall Beach	1.0074	1.0215	67	67	68	1.0215	73	73	74	1.0215	80	80	82	1.0215	82	83	84
708	Qikiqtarjuaq	0.9773	0.9773	55	54	54	0.9773	58	56	56	0.9773	64	62	62	0.9773	71	69	69
709	Kimminut	0.9775	0.9911	45	44	45	0.9911	44	43	44	0.9911	49	48	48	0.9911	53	51	52
710	Arctic Bay	1.0024	1.0024	61	61	61	1.0024	66	66	66	1.0024	78	78	78	1.0024	85	86	86
711	Clyde River	0.9926	0.9275	79	78	73	0.9275	85	84	79	0.9275	92	91	85	0.9275	96	95	89
712	Grise Fiord	1.0334	1.0878	24	25	26	1.0878	26	27	28	0.8175	30	31	24	0.8838	34	35	30
713	Saniqiluaq	1.1536	1.1536	73	85	85	1.1536	77	89	89	1.1536	90	104	104	1.1536	84	97	97
Total				3,663	4,034	3,787		3,730	4,105	3,842		4,343	4,786	4,474		4,426	4,875	4,697
Weighted Average					1.101	1.034			1.101	1.030			1.102	1.030			1.101	1.061

QULLIQ ENERGY CORPORATION
FUEL STABILIZATION RATE RIDER APPLICATION
Weighted Average Fuel Price Calculation

Plant No.	Plant	2014/15 GRA Fuel Price	Dec-15				Jan-16				Feb-16				Mar-16			
			Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Fuel Cost by Community	Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community	Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community	Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community
			\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$
		A	B	C	D	E	B	C	D	E	B	C	D	E	B	C	D	E
501	Cambridge Bay	1.0730	1.0842	337	361	365	1.0842	348	373	377	1.0842	321	345	348	1.0842	331	356	359
502	Gjoa Haven	1.2742	1.2742	150	191	191	1.2424	147	187	183	1.1742	139	177	163	1.1742	146	186	171
503	Taloyoak	1.3240	1.3241	110	146	146	1.3003	107	142	139	1.2241	101	133	123	1.2241	103	136	126
504	Kugaaruk	1.3243	1.3243	70	93	93	1.3071	69	91	90	1.2243	65	86	80	1.2243	65	86	79
505	Kugluktuk	1.1328	0.9984	158	179	158	0.9984	160	181	159	0.9984	152	172	152	0.9984	150	170	150
601	Rankin Inlet	1.0399	0.9508	457	475	435	0.9508	465	483	442	0.9508	445	463	423	0.9508	446	464	424
602	Baker Lake	1.1563	1.1563	229	265	265	1.0948	227	263	249	1.0563	219	254	232	1.0563	215	248	227
603	Arviat	1.0318	0.9388	209	216	197	0.9388	215	222	202	0.9388	205	211	192	0.9388	202	208	190
604	Coral Harbour	1.1452	1.1452	101	116	116	1.0908	96	110	105	1.0452	93	107	97	1.0452	93	106	97
605	Chesterfield Inlet	1.2271	1.2269	60	73	73	1.2269	60	73	73	1.2269	57	70	70	1.1641	56	69	65
606	Whale Cove	1.1305	1.1305	50	57	57	1.1305	49	55	55	1.0331	39	44	41	1.0305	47	53	49
607	Repulse Bay	1.1461	1.1600	102	117	118	1.1600	101	116	118	1.0728	101	116	108	1.0649	104	119	111
701	Iqaluit	1.1478	1.0350	1,467	1,684	1,519	1.0350	1,465	1,681	1,516	1.0350	1,385	1,590	1,434	1.1057	1,441	1,654	1,593
702	Pangnirtung	0.9903	0.9903	111	110	110	0.9311	125	123	116	0.8903	144	142	128	0.8903	153	151	136
703	Cape Dorset	0.9773	0.9773	147	144	144	0.9354	137	134	128	0.8773	147	144	129	0.8773	143	140	126
704	Resolute Bay	1.0653	1.0653	114	122	122	1.0210	113	121	116	0.9653	116	124	112	0.9653	124	132	119
705	Pond Inlet	0.9981	0.9981	182	182	182	0.9625	177	176	170	0.8981	169	169	152	0.8981	173	172	155
706	Igloodik	1.0202	1.0202	181	185	185	0.9553	178	182	170	0.9202	167	170	153	0.9202	167	171	154
707	Hall Beach	1.0074	1.0215	92	93	94	0.9695	91	92	88	0.9215	85	86	79	0.9215	87	88	81
708	Qikiqtarjuaq	0.9773	0.9773	80	78	78	0.9773	80	78	78	0.8785	76	74	67	0.8773	72	71	63
709	Kimminut	0.9775	0.9911	59	57	58	0.9911	60	58	59	0.9031	51	50	46	0.8911	53	51	47
710	Arctic Bay	1.0024	1.0024	91	92	92	0.9493	88	88	84	0.9024	82	82	74	0.9024	79	79	71
711	Clyde River	0.9926	0.9275	105	105	98	0.9275	101	100	93	0.9275	96	95	89	0.8985	97	97	88
712	Grise Fiord	1.0334	0.8838	37	38	32	0.9516	36	37	34	0.9878	33	34	33	0.9878	33	35	33
713	Saniqiluaq	1.1536	1.1536	92	106	106	1.1046	96	111	107	1.0536	91	106	96	1.0536	93	107	98
Total				4,793	5,284	5,032		4,790	5,280	4,952		4,580	5,044	4,621		4,674	5,150	4,812
Weighted Average					1.102	1.050			1.102	1.034			1.101	1.009			1.102	1.030

QULLIQ ENERGY CORPORATION
FUEL STABILIZATION RATE RIDER APPLICATION
Weighted Average Fuel Price Calculation

Plant No.	Plant	2014/15 GRA Fuel Price	Apr-16				May-16				Jun-16				Jul-16			
			Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community	Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community	Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community	Actual Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community
			\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$
		A	B	C	D	E	B	C	D	E	B	C	D	E	B	C	D	E
501	Cambridge Bay	1.0730	1.1140	299	321	333	1.1140	241	259	269	1.1987	226	242	271	1.1987	230	247	276
502	Gjoa Haven	1.2742	1.1760	142	181	167	1.1749	130	166	153	1.1745	112	143	132	1.1744	109	139	128
503	Taloyoak	1.3240	1.2256	95	126	117	1.2246	84	112	103	1.2243	73	96	89	1.2241	59	78	72
504	Kugaaruk	1.3243	1.2291	59	78	72	1.2265	56	74	69	1.2255	50	66	61	1.2250	51	68	63
505	Kugluktuk	1.1328	1.0689	136	154	146	1.0689	125	141	133	1.0689	114	130	122	0.8786	113	128	100
601	Rankin Inlet	1.0399	0.9508	410	427	390	0.9508	381	396	362	0.9508	352	366	334	0.7809	354	368	276
602	Baker Lake	1.1563	1.0570	200	231	211	1.0565	171	198	180	1.0564	152	176	161	1.0563	158	183	167
603	Arviat	1.0318	0.9388	192	198	180	0.9388	181	187	170	0.9388	172	178	162	0.7870	170	175	134
604	Coral Harbour	1.1452	1.0465	85	97	89	1.0457	80	92	84	1.0453	73	83	76	1.0453	72	82	75
605	Chesterfield Inlet	1.2271	1.1509	53	65	61	1.1509	46	56	52	1.1382	40	49	46	1.1382	39	48	45
606	Whale Cove	1.1305	1.0361	45	51	46	1.0330	41	46	42	1.0330	38	43	39	1.0316	42	47	43
607	Repulse Bay	1.1461	1.0699	98	112	105	1.0673	93	106	99	1.0662	80	92	86	1.0658	81	93	87
701	Iqaluit	1.1478	1.1421	1,232	1,415	1,408	1.1436	1,213	1,392	1,387	1.1668	1,195	1,371	1,394	1.1668	1,097	1,259	1,280
702	Pangnirtung	0.9903	0.8903	121	120	108	0.8903	164	163	146	0.8903	125	124	111	0.8903	133	132	118
703	Cape Dorset	0.9773	0.8783	130	127	114	0.8776	130	127	114	0.8774	122	120	107	0.8773	119	116	104
704	Resolute Bay	1.0653	0.9664	117	125	113	0.9657	100	106	96	0.9654	89	94	86	0.9654	86	92	83
705	Pond Inlet	0.9981	0.9004	148	148	133	0.8995	134	133	120	0.8988	120	120	108	0.8984	125	124	112
706	Igloodik	1.0202	0.9204	150	153	138	0.9203	140	143	129	0.9202	125	128	115	0.9202	129	132	119
707	Hall Beach	1.0074	0.9232	78	78	72	0.9225	69	69	64	0.9220	65	65	60	0.9216	63	64	58
708	Qikiqtarjuaq	0.9773	0.8824	67	65	59	0.8803	63	61	55	0.8786	58	56	51	0.8779	58	57	51
709	Kimminut	0.9775	0.9002	48	47	43	0.8972	46	45	41	0.8951	42	41	37	0.8936	42	41	38
710	Arctic Bay	1.0024	0.9033	81	81	73	0.9028	69	70	63	0.9026	62	62	56	0.9025	63	63	57
711	Clyde River	0.9926	0.8890	87	86	77	0.8890	79	78	70	0.8821	70	69	62	0.8805	69	68	61
712	Grise Fiord	1.0334	0.9876	29	30	28	0.9876	25	26	25	0.9877	31	32	30	0.9878	18	19	18
713	Saniqiluaq	1.1536	1.0554	85	99	90	1.0542	83	96	88	1.0538	79	91	83	1.0537	76	88	80
Total				4,186	4,613	4,373		3,944	4,343	4,116		3,663	4,037	3,878		3,556	3,911	3,643
Weighted Average					1.102	1.045			1.101	1.044			1.102	1.059			1.100	1.024

QULLIQ ENERGY CORPORATION
FUEL STABILIZATION RATE RIDER APPLICATION
Weighted Average Fuel Price Calculation

Plant No.	Plant	2014/15 GRA Fuel Price	Aug-16				Sep-16				Oct-16				Nov-16			
			Forecast Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community	Forecast Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community	Forecast Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community	Forecast Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community
			\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$
		A	B	C	D	E	B	C	D	E	B	C	D	E	B	C	D	E
501	Cambridge Bay	1.0730	1.1987	234	251	280	0.8322	244	261	203	0.8322	281	302	234	0.8322	271	291	225
502	Gjoa Haven	1.2742	1.1743	104	133	122	1.1743	121	154	142	1.1742	132	169	155	1.1742	127	162	149
503	Taloyoak	1.3240	1.2241	71	95	87	1.2241	78	103	95	1.2241	99	131	121	1.2241	101	134	123
504	Kugaaruk	1.3243	1.2246	53	70	65	1.2246	57	75	69	1.2243	58	77	71	1.2243	61	81	75
505	Kugluktuk	1.1328	0.8786	106	120	93	0.8075	129	146	104	0.8075	140	159	113	0.8075	152	172	123
601	Rankin Inlet	1.0399	0.8165	321	334	262	0.8165	382	397	312	0.7565	414	430	313	0.7565	435	452	329
602	Baker Lake	1.1563	1.0563	169	196	179	1.0563	181	209	191	1.0563	147	170	155	1.0563	216	250	228
603	Arviat	1.0318	0.7870	179	185	141	0.7870	194	200	152	0.7551	179	185	136	0.7551	208	215	157
604	Coral Harbour	1.1452	1.0452	68	77	71	1.0452	77	88	80	1.0452	87	99	91	1.0452	91	105	95
605	Chesterfield Inlet	1.2271	1.1339	37	46	42	1.1339	50	62	57	1.1339	48	59	55	1.1321	59	72	66
606	Whale Cove	1.1305	1.0310	44	50	45	1.0310	39	45	41	1.0307	48	55	50	1.0305	49	55	50
607	Repulse Bay	1.1461	1.0656	72	82	77	1.0655	85	97	90	1.0649	89	102	95	1.0649	97	111	103
701	Iqaluit	1.1478	0.8630	1,149	1,318	991	0.8630	1,309	1,503	1,130	0.8292	1,379	1,583	1,144	0.8292	1,309	1,502	1,085
702	Pangnirtung	0.9903	0.8903	124	123	111	0.8903	138	137	123	0.8903	143	141	127	0.8903	142	140	126
703	Cape Dorset	0.9773	0.8773	137	134	120	0.8773	150	147	132	0.8773	140	137	123	0.8773	147	143	129
704	Resolute Bay	1.0653	0.9653	90	96	87	0.9653	99	105	96	0.9653	112	119	108	0.9653	102	108	98
705	Pond Inlet	0.9981	0.8983	121	121	109	0.8982	144	144	129	0.8981	145	145	130	0.8981	158	158	142
706	Igloodik	1.0202	0.9202	127	129	117	0.9202	152	155	139	0.9202	155	158	143	0.9202	170	174	157
707	Hall Beach	1.0074	0.9216	72	73	66	0.9216	67	67	61	0.9215	86	87	79	0.9215	87	88	80
708	Qikiqtarjuaq	0.9773	0.8777	52	51	46	0.8777	66	65	58	0.8777	62	60	54	0.8774	73	71	64
709	Kimminut	0.9775	0.8923	45	44	40	0.8923	51	50	45	0.8911	57	56	51	0.8911	48	47	42
710	Arctic Bay	1.0024	0.9025	60	60	54	0.9025	73	73	66	0.9024	72	72	65	0.9024	77	77	69
711	Clyde River	0.9926	0.7128	69	68	49	0.7128	92	91	65	0.7128	84	83	60	0.7128	92	91	66
712	Grise Fiord	1.0334	0.9878	24	25	24	0.9878	33	34	32	0.9878	27	28	27	0.9878	35	36	34
713	Saniqiluaq	1.1536	1.0536	70	81	74	1.0536	79	91	84	1.0536	80	92	84	1.0536	86	99	91
Total				3,599	3,962	3,353		4,087	4,497	3,697		4,267	4,701	3,785		4,391	4,833	3,909
Weighted Average					1.101	0.932			1.100	0.905			1.102	0.887			1.101	0.890

QULLIQ ENERGY CORPORATION
FUEL STABILIZATION RATE RIDER APPLICATION
Weighted Average Fuel Price Calculation

Plant No.	Plant	2014/15 GRA Fuel Price	Dec-16				Jan-17				Feb-17				Mar-17			
			Forecast Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community	Forecast Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community	Forecast Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community	Forecast Fuel Price	Fuel Req. Period	GRA Fuel Cost by Community	Forecast Fuel Cost by Community
			\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$	\$/L	000 L	000 \$	000 \$
		A	B	C	D	E	B	C	D	E	B	C	D	E	B	C	D	E
501	Cambridge Bay	1.0730	0.8322	350	376	291	0.8322	381	409	317	0.8322	315	338	262	0.8322	373	400	310
502	Gjoa Haven	1.2742	1.1742	151	192	177	1.1742	136	174	160	1.1742	138	176	162	1.1742	142	181	167
503	Taloyoak	1.3240	1.2241	121	160	148	1.2241	98	130	121	1.2241	108	142	132	1.2241	111	147	136
504	Kugaaruk	1.3243	1.2243	76	101	93	1.2243	69	91	84	1.2243	67	89	82	1.2243	70	92	85
505	Kugluktuk	1.1328	0.8075	172	195	139	0.8075	128	144	103	0.8075	157	177	127	0.8075	152	172	123
601	Rankin Inlet	1.0399	0.7565	528	549	399	0.7565	446	463	337	0.7565	443	460	335	0.7565	482	501	365
602	Baker Lake	1.1563	1.0563	234	271	247	1.0563	222	257	235	1.0563	196	227	208	1.0563	225	261	238
603	Arviat	1.0318	0.7551	208	215	157	0.7551	237	244	179	0.7551	219	226	165	0.7551	209	216	158
604	Coral Harbour	1.1452	1.0452	101	116	106	1.0452	101	115	105	1.0452	93	106	97	1.0452	101	115	105
605	Chesterfield Inlet	1.2271	1.1271	63	78	71	1.1271	59	73	67	1.1271	57	70	65	1.1271	61	75	69
606	Whale Cove	1.1305	1.0305	57	64	59	1.0305	53	60	54	1.0305	52	59	54	1.0305	52	59	53
607	Repulse Bay	1.1461	1.0649	99	113	105	1.0649	92	105	98	1.0649	104	119	111	1.0649	118	135	125
701	Iqaluit	1.1478	0.9134	1,417	1,627	1,294	1.0568	1,502	1,724	1,587	1.1252	1,468	1,685	1,652	1.1566	1,306	1,499	1,510
702	Pangnirtung	0.9903	0.8903	172	170	153	0.8903	168	167	150	0.8903	173	171	154	0.8903	155	154	138
703	Cape Dorset	0.9773	0.8773	161	158	141	0.8773	156	153	137	0.8773	153	149	134	0.8773	160	157	141
704	Resolute Bay	1.0653	0.9653	126	135	122	0.9653	115	122	111	0.9653	116	123	112	0.9653	134	143	130
705	Pond Inlet	0.9981	0.8981	166	166	149	0.8981	194	194	174	0.8981	160	160	144	0.8981	150	150	135
706	Igloodik	1.0202	0.9202	169	173	156	0.9202	178	181	163	0.9202	160	163	147	0.9202	177	180	163
707	Hall Beach	1.0074	0.9215	92	92	85	0.9215	96	96	88	0.9215	85	85	78	0.9215	87	88	80
708	Qikiqtarjuaq	0.9773	0.8773	81	79	71	0.8773	77	75	68	0.8773	68	67	60	0.8773	71	69	62
709	Kimminut	0.9775	0.8911	58	56	51	0.8911	59	58	53	0.8911	55	54	49	0.8911	60	59	54
710	Arctic Bay	1.0024	0.9024	89	89	80	0.9024	86	86	78	0.9024	83	83	75	0.9024	86	87	78
711	Clyde River	0.9926	0.7128	110	109	79	0.7128	95	94	68	0.7128	100	100	72	0.7353	104	103	76
712	Grise Fiord	1.0334	0.9878	37	38	37	0.9878	37	38	37	0.9878	29	30	29	0.9878	37	38	37
713	Saniqiluaq	1.1536	1.0536	100	115	105	1.0536	97	111	102	1.0536	88	101	93	1.0536	96	111	102
Total				4,939	5,437	4,517		4,881	5,367	4,675		4,687	5,163	4,596		4,722	5,193	4,641
Weighted Average					1.101	0.915			1.099	0.958			1.102	0.981			1.100	0.983