



Preliminary 2010 Revenue Requirements

Appendix F

Wholesale Power Factors

1 On September 30, 2008, as a requirement of Order G-101-08, FortisBC filed its report
2 on raising the power factor level from 90 percent to 95 percent in its wholesale
3 agreements with the City of Penticton ("Penticton"), the District of Summerland
4 ("Summerland"), the City of Kelowna ("Kelowna"), the City of Grand Forks ("Grand
5 Forks"), and the Corporation of the City of Nelson ("Nelson"). By letter dated October
6 16, 2008, the Commission accepted the report.

7 By way of Letter L-9-09, the Commission directed FortisBC to submit a report as an
8 appendix in its next Revenue Requirement Application if the power factor in any of the
9 wholesale agreements is below 0.95.

10 The revenue metering data and calculated power factors (ratio of kW to kVA) for each of
11 the five wholesale customers, at each point of delivery, is presented below for the
12 period October 2008 to July 2009. With two exceptions, the power factors are all
13 greater or equal to 0.95. The anomalies resulted from load shifting between points of
14 delivery and do not require any corrective action.

1 City of Penticton

Meter	Date	KW	KVA	PF	Meter	Date	KW	KVA	PF
997521	10/1/2008	8,640	8,640	1.00	1005217	10/27/2008	5,011	5,076	0.99
Huth 8 kVA	11/5/2008	14,864	14,874	1.00	Huth 13 kVA	11/28/2008	5,501	5,548	0.99
	12/3/2008	11,968	11,968	1.00		12/15/2008	6,538	6,604	0.99
	1/27/2009	10,096	10,100	1.00		1/27/2009	6,293	6,350	0.99
	2/26/2009	8,976	8,976	1.00		2/26/2009	5,674	5,717	0.99
	3/10/2009	9,968	9,971	1.00		3/10/2009	6,091	6,148	0.99
	4/2/2009	7,616	7,616	1.00		4/2/2009	5,069	5,124	0.99
	5/29/2009	6,512	6,545	1.00		5/29/2009	5,155	5,289	0.97
	6/30/2009	6,960	7,013	0.99		6/16/2009	5,558	5,738	0.97
	7/27/2009	9,344	9,562	0.98		7/29/2009	6,682	6,983	0.96

Meter	Date	KW	KVA	PF	Meter	Date	KW	KVA	PF
924177	10/27/2008	14,416	14,419	1.00	997528	10/29/2008	11,256	11,370	0.99
Westminister	11/25/2008	17,872	17,872	1.00	Waterford	11/27/2008	13,752	13,857	0.99
	12/15/2008	23,696	23,715	1.00		12/15/2008	18,336	18,444	0.99
	1/27/2009	21,472	21,483	1.00		1/4/2009	17,184	17,296	0.99
	2/26/2009	19,296	19,302	1.00		2/1/2009	14,496	14,601	0.99
	3/30/2009	22,112	22,115	1.00		3/10/2009	15,120	15,208	0.99
	4/2/2009	15,520	15,521	1.00		4/1/2009	11,496	11,583	0.99
	5/29/2009	14,288	14,491	0.99		5/30/2009	11,640	12,156	0.96
	6/15/2009	15,248	15,564	0.98		6/5/2009	12,048	12,588	0.96
	7/29/2009	19,248	19,755	0.97		7/27/2009	16,608	17,349	0.96

Meter	Date	KW	KVA	PF
997520	10/30/2008	11,832	12,113	0.98
Carmi	11/5/2008	21,456	21,555	1.00
	12/16/2008	18,828	18,945	0.99
	1/27/2009	18,168	18,354	0.99
	2/27/2009	16,392	16,572	0.99
	3/11/2009	16,764	16,888	0.99
	4/2/2009	13,572	13,653	0.99
	5/4/2009	11,676	11,756	0.99
	6/22/2009	12,132	12,298	0.99
	7/22/2009	16,188	16,739	0.97

- 2 The City of Penticton maintained a power factor equal to or greater than 0.95 in all
3 months.

4 District of Summerland

Meter	Date	KW	KVA	PF	Meter	Date	KW	KVA	PF
935171	10/27/2008	11,628	11,861	0.98	916784	10/27/2008	4,070	4,112	0.99
	11/25/2008	12,804	12,999	0.99	Trout Creek	11/30/2008	4,550	4,586	0.99
	12/15/2008	17,256	17,430	0.99		12/20/2008	6,720	6,780	0.99
	1/1/2009	<i>T1 replaced by mobile</i>				1/26/2009	6,000	6,045	0.99
	2/27/2009	14,868	15,062	0.99		2/27/2009	5,357	5,394	0.99
	3/10/2009	15,384	15,581	0.99		3/10/2009	5,750	5,788	0.99
	4/2/2009	11,784	11,994	0.98		4/2/2009	4,224	4,253	0.99
	5/7/2009	9,480	9,718	0.98		5/7/2009	3,264	3,292	0.99
	6/4/2009	9,732	10,209	0.95		6/4/2009	3,101	3,216	0.96
	7/27/2009	12,684	13,407	0.95		7/27/2009	4,262	4,441	0.96

1 The District of Summerland maintained a power factor equal to or greater than 0.95 in
 2 all months.

3 **City of Kelowna**

Meter	Date	KW	KVA	PF	Meter	Date	KW	KVA	PF
916789	10/27/2008	5,722	5,881	0.97	924188	10/29/2008	18,792	18,900	0.99
Pollution	11/26/2008	6,211	6,363	0.98	Recreation 1	11/6/2008	20,928	20,929	1.00
	12/16/2008	7,411	7,555	0.98		12/15/2008	24,240	24,256	1.00
	1/26/2009	7,162	7,313	0.98		1/6/2009	21,528	21,629	1.00
	2/27/2009	6,826	6,966	0.98		2/12/2009	20,592	20,651	1.00
	3/10/2009	6,994	7,136	0.98		3/10/2009	7,176	7,494	0.96
	4/2/2009	5,933	6,083	0.98		4/21/2009	15,912	15,963	1.00
	5/7/2009	5,285	5,458	0.97		5/2/2009	18,672	18,935	0.99
	6/15/2009	5,832	6,157	0.95		6/4/2009	21,312	21,634	0.99
	7/28/2009	7,397	7,819	0.95		7/30/2009	7,800	8,551	0.91

Meter	Date	KW	KVA	PF	Meter	Date	KW	KVA	PF
924180	10/1/2008	-	-	-	916790	10/29/2008	15,360	15,360	1.00
Recreation 2	11/1/2008	-	-	-	Saucier	11/20/2008	17,736	17,736	1.00
	12/1/2008	-	-	-		12/16/2008	22,368	22,368	1.00
	1/1/2009	-	-	-		1/26/2009	20,304	20,304	1.00
	2/27/2009	18,734	18,743	1.00		2/27/2009	18,504	18,504	1.00
	3/12/2009	14,962	14,962	1.00		3/10/2009	19,320	19,320	1.00
	4/30/2009	15,538	15,562	1.00		4/2/2009	15,024	15,024	1.00
	5/1/2009	-	-	-		5/29/2009	15,648	15,648	1.00
	6/30/2009	12,658	12,669	1.00		6/15/2009	17,112	17,126	1.00
	7/28/2009	15,998	16,140	0.99		7/28/2009	19,368	19,447	1.00

Meter	Date	KW	KVA	PF	Meter	Date	KW	KVA	PF
935172	10/29/2008	9,202	9,202	1.00	898052				
Glenmore	11/24/2008	10,728	10,728	1.00					
	12/20/2008	15,192	15,192	1.00					
	1/26/2009	13,464	13,464	1.00					
	2/19/2009	11,606	11,606	1.00					
	3/9/2009	11,779	11,779	1.00					
	4/2/2009	8,597	8,597	1.00		4/15/2009	-	-	-
	5/30/2009	8,438	8,474	1.00		5/1/2009	-	-	-
	6/15/2009	9,677	9,742	0.99		6/15/2009	101	102	0.99
	7/27/2009	12,254	12,414	0.99		7/1/2009	-	-	-

4 The City of Kelowna experienced a power factor lower than 0.95 at the Recreation
 5 Substation in July, 2009 as a result of load shifting between points of delivery.

1 **City of Grand Forks**

Meter	Date	KW	KVA	PF	Meter	Date	KW	KVA	PF
924183	10/29/2008	2,083	2,083	1.00	924191	10/28/2008	2,979	3,012	0.99
13 kVA	11/30/2008	2,304	2,304	1.00	5 kVA	11/26/2008	2,934	2,934	1.00
Ruckles	12/20/2008	5,362	5,379	1.00	Ruckles	12/20/2008	3,779	3,781	1.00
	1/4/2009	4,834	4,854	1.00		1/3/2009	3,424	3,425	1.00
	2/3/2009	2,506	2,506	1.00		2/9/2009	3,075	3,075	1.00
	3/12/2009	2,309	2,309	1.00		3/11/2009	3,098	3,098	1.00
	4/1/2009	1,968	1,968	1.00		4/28/2009	2,733	2,745	1.00
	5/29/2009	1,776	1,783	1.00		5/28/2009	2,778	2,812	0.99
	6/4/2009	1,944	1,954	0.99		6/4/2009	3,043	3,091	0.98
	7/27/2009	2,074	2,092	0.99		7/22/2009	3,526	3,605	0.98

2 The City of Grand Forks maintained a power factor equal to or greater than 0.95 in all
3 months.

4 **City of Nelson**

Meter	Date	KW	KVA	PF	Meter	Date	KW	KVA	PF
924185	10/27/2008	3,000	3,000	1.00	898049	10/29/2008	13,752	14,180	0.97
Coffee Creek	11/27/2008	3,110	3,110	1.00	Bonnington	11/27/2008	17,460	17,864	0.98
	12/15/2008	6,202	6,202	1.00		12/4/2008	19,368	19,727	0.98
	1/3/2009	4,282	4,282	1.00		1/28/2009	20,376	20,807	0.98
	2/10/2009	3,504	3,504	1.00		2/24/2009	108	130	0.83
	3/11/2009	4,258	4,258	1.00		3/3/2009	360	362	1.00
	4/1/2009	3,139	3,139	1.00		4/1/2009	-	-	-
	5/14/2009	2,630	2,630	1.00		5/1/2009	-	-	-
	6/22/2009	2,016	2,016	1.00		6/1/2009	-	-	-
	7/31/2009	2,683	2,683	1.00		7/6/2009	1,332	1,349	0.99

Meter	Date	KW	KVA	PF
898051	10/28/2008	24,840	25,142	0.99
Rosemont	11/1/2008	-	-	-
	12/16/2008	25,344	25,640	0.99
	1/7/2009	23,868	24,122	0.99
	2/19/2009	25,524	25,690	0.99
	3/11/2009	29,124	29,432	0.99
	4/27/2009	24,768	25,100	0.99
	5/5/2009	18,972	19,143	0.99
	6/30/2009	7,704	7,928	0.97
	7/7/2009	16,380	16,471	0.99

5 The City of Nelson experienced a power factor lower than 0.95 at the Bonnington
6 substation in February, 2009 as a result of load shifting between points of delivery.