



EB-2011-0038

UNION GAS 2013 RATES


FRPO COMPENDIUM


UNION GAS WITNESS PANEL 3

CONTRACT DEMAND ENERGY (CDE) REPORT - Mainline										
As Of Date: 2012-Jul-03										
Service Type: FST, FT, FT-NR, FT-SN, LTWFS, STS										
Contract Number	Service Requester	Contract Start Date	Contract End Date	Service Type	Primary Receipt	Primary Delivery	Contract Demand (GJ/d)	Operational Demand (GJ/d)	Shifted Qty (GJ/d)	Temp Assigned Qty (GJ/d)
5107	Bunge Canada	1994-Nov-01	2013-Oct-31	FT	Welwyn	Centram MDA	1,332	1,332	0	0
37575	Centra Gas Manitoba Inc.	2009-Nov-01	2013-Oct-31	FT	Empress	Centram MDA	110,000	110,000	0	0
29802	Diageo Canada Inc.	2006-May-15	2013-Oct-31	FT	Empress	Centram MDA	400	0	0	400
29803	Diageo Canada Inc.	2006-May-15	2013-Oct-31	FT	Empress	Centram MDA	2,400	0	0	2,400
41189	Gerdau Ameristeel Corporation	2011-Jan-01	2013-Mar-31	FT	Empress	Centram MDA	1,000	1,000	0	0
43036	Husky Energy Marketing Inc.	2011-Nov-01	2012-Oct-31	FT	Empress	Centram MDA	5,000	5,000	0	0
43223	Koch Canada Energy Services, LP	2011-Nov-01	2012-Oct-31	FT	Welwyn	Centram MDA	3,750	3,750	0	0
43227	Koch Canada Energy Services, LP	2011-Nov-01	2012-Oct-31	FT	Empress	Centram MDA	44,000	44,000	0	0
5665	Maple Leaf Foods Inc.	1995-Nov-01	2013-Oct-31	FT	Empress	Centram MDA	706	0	0	706
26474	McCain Foods Limited	2005-Mar-01	2013-Oct-31	FT	Empress	Centram MDA	1,200	0	0	1,200
35633	McCain Foods Limited	2008-Nov-01	2013-Oct-31	FT	Empress	Centram MDA	1,700	1,700	0	0
						Centram MDA Total	171,488	166,782	0	4,706
3036	Centra Gas Manitoba Inc.	1993-Dec-01	2013-Oct-31	FT	Empress	Centram SSDA	1,200	1,200	0	0
42927	TransGas Limited	2011-Nov-01	2012-Oct-31	FT	Empress	Centram SSDA	1,507	1,507	0	0
						Centram SSDA Total	2,707	2,707	0	0
41825	Resolute FP Canada Inc.	2011-Feb-01	2013-Oct-31	FT	Empress	Centrat MDA	2,500	2,500	0	0
6309	Union Gas Limited	1996-Jul-01	2013-Dec-31	FT	Empress	Centrat MDA	4,522	0	0	4,522
						Centrat MDA Total	7,022	2,500	0	4,522
36758	Dynegy Gas Imports, LLC	2008-Dec-01	2015-Oct-31	FT	Kirkwall	Chippawa	41,491	41,491	0	0
36759	Dynegy Gas Imports, LLC	2008-Dec-01	2015-Oct-31	FT	St. Clair	Chippawa	124,142	124,142	0	0
35799	KeySpan Gas East Corporation	2008-Nov-01	2018-Oct-31	FT	Kirkwall	Chippawa	137,157	0	0	137,157
41226	National Fuel Gas Distribution Corporation	2006-Nov-01	2017-Oct-31	FT	Kirkwall	Chippawa	10,699	0	0	10,699
41227	National Fuel Gas Distribution Corporation	2007-Nov-01	2020-Oct-31	FT	Kirkwall	Chippawa	15,794	0	0	15,794
5020	New York State Electric & Gas Corporation	1994-Nov-01	2012-Oct-31	FT	Empress	Chippawa	10,593	0	0	10,593
2937	Rochester Gas and Electric Corporation	1993-Nov-01	2012-Oct-31	FT	St. Clair	Chippawa	37,262	0	0	37,262
2939	Rochester Gas and Electric Corporation	1993-Nov-01	2013-Oct-31	FT	St. Clair	Chippawa	107,541	0	0	107,541
33199	Shell Energy North America (Canada) Inc.	2007-Nov-01	2012-Oct-31	FT	Kirkwall	Chippawa	8,706	8,706	0	0
						Chippawa Total	493,385	174,339	0	319,046
13611	Alcoa Inc.	1999-Dec-01	2012-Oct-31	FT	Empress	Cornwall	1,294	0	0	1,294
32436	Alcoa Inc.	2007-Nov-01	2013-Jun-30	FT	Empress	Cornwall	6,000	0	0	6,000
18342	Canton Central School District	2002-Nov-01	2013-Oct-31	FT	Empress	Cornwall	63	0	0	63
27539	Canton Central School District	2005-Nov-01	2013-Oct-31	FT	Empress	Cornwall	3	0	0	3
13292	City of Ogdensburg	1999-Nov-01	2013-Oct-31	FT	Empress	Cornwall	19	0	0	19
18321	Clarkson University	2002-Nov-01	2013-Oct-31	FT	Empress	Cornwall	525	0	0	525
18320	Heuvelton Central School District	2002-Nov-01	2013-Oct-31	FT	Empress	Cornwall	34	0	0	34
18349	Hoosier Magnetics, Inc.	2002-Nov-01	2013-Oct-31	FT	Empress	Cornwall	330	0	0	330
18338	Lisbon Central School District	2002-Nov-01	2013-Oct-31	FT	Empress	Cornwall	19	0	0	19
27537	Lisbon Central School District	2005-Nov-01	2013-Oct-31	FT	Empress	Cornwall	2	0	0	2
18328	Madrid-Waddington Central School District	2002-Nov-01	2013-Oct-31	FT	Empress	Cornwall	26	0	0	26
18318	Massena Central School District	2002-Nov-01	2013-Oct-31	FT	Empress	Cornwall	135	0	0	135
27538	Massena Central School District	2005-Nov-01	2013-Oct-31	FT	Empress	Cornwall	4	0	0	4
18341	Norwood-Norfolk Central School District	2002-Nov-01	2013-Oct-31	FT	Empress	Cornwall	49	0	0	49
31593	Ogdensburg City School District	2006-Nov-01	2013-Oct-31	FT	Empress	Cornwall	19	0	0	19
31594	Ogdensburg City School District	2006-Nov-01	2013-Oct-31	FT	Empress	Cornwall	75	0	0	75
18340	Potsdam Central School District	2002-Nov-01	2013-Oct-31	FT	Empress	Cornwall	83	0	0	83
19233	St. Lawrence Gas Company, Inc.	2002-Nov-01	2013-Oct-31	STS	Union Parkway Belt	Cornwall	10,300	10,300	0	0
19331	St. Lawrence Gas Company, Inc.	2003-Nov-01	2013-Oct-31	FT	Empress	Cornwall	7,100	7,100	0	0
21988	St. Lawrence Gas Company, Inc.	2003-Nov-01	2013-Oct-31	FT	Empress	Cornwall	3,200	3,200	0	0
13375	St. Lawrence University	1999-Nov-01	2013-Oct-31	FT	Empress	Cornwall	362	0	0	362
33328	St. Lawrence University	2007-Nov-01	2013-Oct-31	FT	Empress	Cornwall	54	0	0	54
43348	St. Lawrence-Lewis BOCES	2011-Nov-01	2013-Oct-31	FT	Empress	Cornwall	25	0	0	25
18317	St. Regis Nursing Home and Health Related Facility, Inc.	2002-Nov-01	2013-Oct-31	FT	Empress	Cornwall	29	0	0	29
						Cornwall Total	29,750	20,600	0	9,150

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33321	Bay State Gas Company	2007-Nov-01	2018-Mar-31	FT	Union Dawn	East Hereford	16,881	0	0	16,881
33322	Northern Utilities, Inc.	2007-Nov-01	2018-Mar-31	FT	Union Dawn	East Hereford	35,872	0	0	35,872
						East Hereford Total	52,753	0	0	52,753
2771	Centra Gas Manitoba Inc.	1993-Apr-01	2013-Mar-31	STS	Centram MDA	Emerson 2	54,000	54,000	0	0
12359	City of Duluth	1999-Nov-01	2014-Oct-31	FT	Empress	Emerson 2	6,532	0	0	6,532
10587	United States Gypsum Company	1997-Nov-01	2012-Oct-31	FT	Empress	Emerson 2	14,550	0	0	14,550
						Emerson 2 Total	75,082	54,000	0	21,082
20394	Ag Energy Co-operative Ltd.	2003-Nov-01	2013-Oct-31	FT	Union Dawn	Enbridge CDA	4,700	4,700	0	0
20395	Canada Starch Operating Company Inc.	2003-Nov-01	2013-Dec-31	FT	Union Dawn	Enbridge CDA	4,398	4,398	0	0
1349	Enbridge Gas Distribution Inc.	1989-Nov-01	2013-Oct-31	FT	Empress	Enbridge CDA	40,093	33,064	0	7,029
2623	Enbridge Gas Distribution Inc.	1992-Nov-01	2013-Oct-31	STS	Union Parkway Belt	Enbridge CDA	153,700	153,700	0	0
15957	Enbridge Gas Distribution Inc.	2001-Nov-01	2013-Oct-31	STS	Union Parkway Belt	Enbridge CDA	92,822	92,822	0	0
18786	Enbridge Gas Distribution Inc.	2002-Nov-01	2013-Oct-31	STS	Union Parkway Belt	Enbridge CDA	37,370	37,370	0	0
20260	Enbridge Gas Distribution Inc.	2003-Nov-01	2013-Oct-31	FT	Union Dawn	Enbridge CDA	4,818	4,818	0	0
20266	Enbridge Gas Distribution Inc.	2003-Nov-01	2013-Oct-31	FT	Union Dawn	Enbridge CDA	145,000	100,467	0	44,533
29244	Enbridge Gas Distribution Inc.	2006-Apr-01	2013-Oct-31	FT	Empress	Enbridge CDA	15,000	15,000	0	0
35516	Enbridge Gas Distribution Inc.	2008-Nov-01	2013-Oct-31	FT	Union Parkway Belt	Enbridge CDA	572	572	0	0
38826	Enbridge Gas Distribution Inc.	2009-Nov-01	2013-Oct-31	FT	Empress	Enbridge CDA	8,375	8,375	0	0
20383	Greater Toronto Airports Authority	2003-Nov-01	2013-Oct-31	FT	Union Dawn	Enbridge CDA	1,100	0	0	1,100
28756	Greater Toronto Airports Authority	2006-Apr-01	2018-Oct-31	FT	Union Parkway Belt	Enbridge CDA	7,500	127	0	7,373
20224	Oxy Vinyls Canada Co.	2003-Apr-01	2013-Oct-31	FT	Union Dawn	Enbridge CDA	1,800	1,800	0	0
38224	Shell Energy North America (Canada) Inc.	2009-Oct-01	2013-Oct-31	FT	Union Dawn	Enbridge CDA	2,600	2,600	0	0
						Enbridge CDA Total	519,848	459,813	0	60,035
1140	Enbridge Gas Distribution Inc.	1989-Aug-08	2013-Oct-31	STS	Union Parkway Belt	Enbridge EDA	35,089	35,089	0	0
1338	Enbridge Gas Distribution Inc.	1989-Nov-01	2013-Oct-31	FT	Empress	Enbridge EDA	32,357	3,596	0	28,761
2172	Enbridge Gas Distribution Inc.	1991-Nov-01	2013-Oct-31	FT	Empress	Enbridge EDA	21,584	21,248	0	336
5019	Enbridge Gas Distribution Inc.	1994-Nov-01	2013-Oct-31	FT	Empress	Enbridge EDA	7,613	7,613	0	0
5445	Enbridge Gas Distribution Inc.	1995-Nov-01	2013-Oct-31	FT	Empress	Enbridge EDA	19,692	19,692	0	0
5834	Enbridge Gas Distribution Inc.	1995-Nov-01	2013-Oct-31	FT	Empress	Enbridge EDA	10,773	10,773	0	0
6646	Enbridge Gas Distribution Inc.	1996-Nov-01	2013-Oct-31	FT	Empress	Enbridge EDA	10,773	10,773	0	0
10862	Enbridge Gas Distribution Inc.	1997-Nov-01	2013-Oct-31	FT	Empress	Enbridge EDA	26,952	26,952	0	0
13307	Enbridge Gas Distribution Inc.	1999-Nov-01	2013-Oct-31	STS	Union Parkway Belt	Enbridge EDA	35,806	35,806	0	0
21854	Enbridge Gas Distribution Inc.	2003-Nov-01	2013-Oct-31	STS	Union Parkway Belt	Enbridge EDA	9,716	9,716	0	0
21987	Enbridge Gas Distribution Inc.	2003-Nov-01	2013-Oct-31	FT	Union Dawn	Enbridge EDA	114,000	101,800	0	12,200
34937	Enbridge Gas Distribution Inc.	2008-Nov-01	2013-Oct-31	FT	Empress	Enbridge EDA	25,000	0	0	25,000
36057	Enbridge Gas Distribution Inc.	2009-Nov-01	2013-Oct-31	FT	Empress	Enbridge EDA	42,226	0	0	42,226
43857	Enbridge Gas Distribution Inc.	2012-Feb-01	2013-Oct-31	FT	Empress	Enbridge EDA	451	451	0	0
						Enbridge EDA Total	392,032	283,509	0	108,523
44175	BP Canada Energy Group ULC	2012-Apr-01	2013-Oct-31	FT	Iroquois	GMIT EDA	8,267	8,267	0	0
44176	BP Canada Energy Group ULC	2012-Apr-01	2013-Oct-31	FT	Iroquois	GMIT EDA	18,685	18,685	0	0
39571	Direct Energy Marketing Limited	2010-Nov-01	2012-Oct-31	FT	Iroquois	GMIT EDA	25,000	25,000	0	0
20562	Domtar Inc.	2003-May-01	2013-Oct-31	FT	Empress	GMIT EDA	2,500	2,500	0	0
1141	Gaz Metro Limited Partnership	1985-Nov-01	2013-Apr-15	STS	Union Parkway Belt	GMIT EDA	25,629	25,629	0	0
1741	Gaz Metro Limited Partnership	1990-Oct-01	2013-Oct-31	FT	Empress	GMIT EDA	216,274	180,274	0	36,000
6245	Gaz Metro Limited Partnership	1996-Apr-16	2013-Apr-15	STS	Union Parkway Belt	GMIT EDA	125,545	125,545	0	0
16106	Gaz Metro Limited Partnership	2001-Nov-01	2013-Oct-31	STS	Union Parkway Belt	GMIT EDA	45,000	45,000	0	0
20268	Gaz Metro Limited Partnership	2003-Nov-01	2013-Oct-31	FT	Union Dawn	GMIT EDA	50,000	15,000	0	35,000
21989	Gaz Metro Limited Partnership	2005-Nov-01	2015-Oct-31	FT	Union Dawn	GMIT EDA	40,000	0	0	40,000
22306	Gaz Metro Limited Partnership	2005-Nov-01	2015-Oct-31	STS	Union Parkway Belt	GMIT EDA	20,000	20,000	0	0
22521	Gaz Metro Limited Partnership	2003-Nov-01	2013-Oct-31	FT	Union Dawn	GMIT EDA	20,000	0	0	20,000
33680	Gaz Metro Limited Partnership	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	GMIT EDA	65,000	15,000	0	50,000
37573	J.P. Morgan Commodities Canada Corporation	2009-Nov-01	2013-Oct-31	FT	Iroquois	GMIT EDA	10,000	10,000	0	0
39572	J.P. Morgan Commodities Canada Corporation	2010-Nov-01	2013-Oct-31	FT	Iroquois	GMIT EDA	3,048	3,048	0	0
35449	Kruger Inc.	2008-Jul-01	2012-Oct-31	FT	Empress	GMIT EDA	771	0	0	771
29557	TransCanada Energy Ltd.	2006-Dec-02	2018-Dec-31	FT	Union Dawn	GMIT EDA	100,000	9,449	0	90,551
						GMIT EDA Total	775,719	503,397	0	272,322

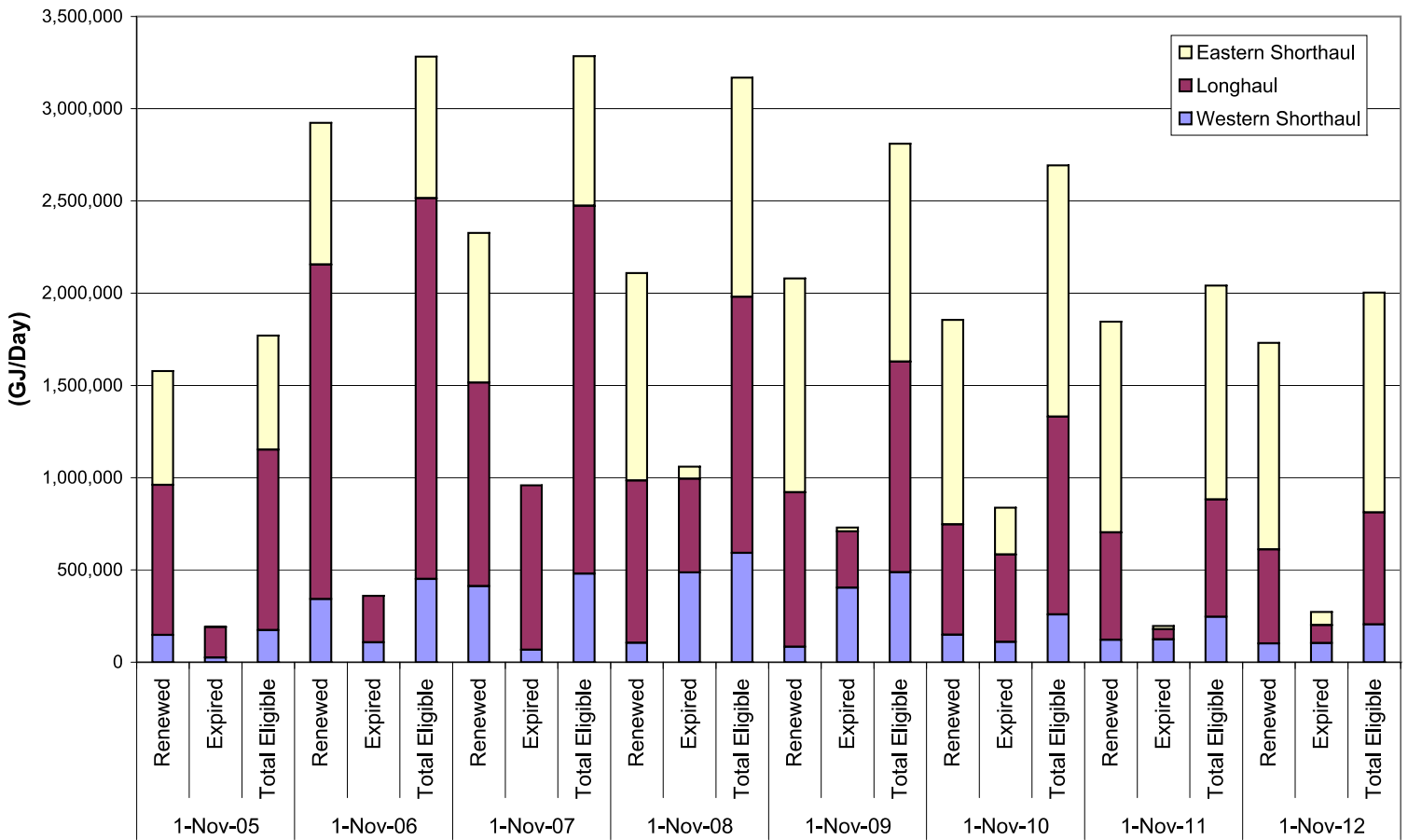
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1085	Gaz Metro Limited Partnership	1988-Nov-01	2013-Oct-31	FT	Empress	GMIT NDA	12,397	12,397	0	0	
21659	Gaz Metro Limited Partnership	2003-Nov-01	2013-Oct-31	FT	Empress	GMIT NDA	2,930	2,930	0	0	
						GMIT NDA Total	15,327	15,327	0	0	
36992	Goreway Station Partnership	2009-Jan-01	2028-Oct-31	FT-SN	Union Parkway Belt	Goreway CDA	20,000	20,000	0	0	
36993	Goreway Station Partnership	2009-Jan-01	2013-Oct-31	FT-SN	Union Parkway Belt	Goreway CDA	120,000	120,000	0	0	
						Goreway CDA Total	140,000	140,000	0	0	
41234	Bay State Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	27,498	0	0	27,498	
41218	Boston Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	2,134	0	0	2,134	
41229	Boston Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	9,180	0	0	9,180	
5507	Brooklyn Navy Yard Cogeneration Partners, L.P.	1996-Oct-01	2016-Oct-31	FT	Empress	Iroquois	26,956	0	0	26,956	
41233	Central Hudson Gas & Electric Corporation	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	10,674	10,674	0	0	
42389	Central Hudson Gas & Electric Corporation	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	5,399	5,399	0	0	
41219	Colonial Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	6,404	0	0	6,404	
41224	Connecticut Natural Gas Corporation	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	264	264	0	0	
41225	Connecticut Natural Gas Corporation	2008-Nov-01	2019-Oct-31	FT	Union Parkway Belt	Iroquois	6,436	6,436	0	0	
41238	Connecticut Natural Gas Corporation	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	17,879	7,328	0	10,551	
41239	Connecticut Natural Gas Corporation	2007-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Iroquois	8,807	8,807	0	0	
42382	Connecticut Natural Gas Corporation	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	6,330	6,330	0	0	
42379	Consolidated Edison Company of New York, Inc.	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	11,859	0	0	11,859	
42380	Consolidated Edison Company of New York, Inc.	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	9,695	0	0	9,695	
40085	Enbridge Gas Distribution Inc.	2010-Sep-01	2013-Mar-31	FT	Union Dawn	Iroquois	40,000	40,000	0	0	
41232	EnergyNorth Natural Gas, Inc.	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	4,270	0	0	4,270	
21962	Husky Energy Marketing Inc.	2003-Oct-01	2013-Mar-31	FT	Empress	Iroquois	13,557	13,557	0	0	
42820	J. Aron & Company	2011-Nov-01	2012-Oct-31	FT	Empress	Iroquois	6,406	6,406	0	0	
27212	J.P. Morgan Commodities Canada Corporation	2005-Jul-21	2013-Oct-31	FT	Empress	Iroquois	15,103	15,103	0	0	
41220	KeySpan Gas East Corporation	2007-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Iroquois	22,522	0	0	22,522	
41228	KeySpan Gas East Corporation	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	16,972	0	0	16,972	
42383	KeySpan Gas East Corporation	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	7,599	0	0	7,599	
42388	KeySpan Gas East Corporation	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	35,694	0	0	35,694	
34834	New York State Electric & Gas Corporation	2008-Feb-01	2012-Oct-31	FT	Empress	Iroquois	7,205	0	0	7,205	
42809	New York State Electric & Gas Corporation	2011-Nov-01	2012-Oct-31	FT	Empress	Iroquois	10,941	0	0	10,941	
42385	Niagara Mohawk Power Corporation	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	54,437	0	0	54,437	
41235	Northern Utilities, Inc.	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	6,264	0	0	6,264	
14109	Paramount Resources Ltd.	2000-May-01	2014-Oct-31	FT	Empress	Iroquois	811	0	0	811	
5048	Selkirk Cogen Partners, L.P.	1994-Nov-01	2014-Oct-31	FT	Empress	Iroquois	58,485	58,485	0	0	
27213	Shell Energy North America (Canada) Inc.	2005-Nov-01	2012-Oct-31	FT	Empress	Iroquois	5,293	5,293	0	0	
41215	The Brooklyn Union Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	12,810	0	0	12,810	
41217	The Brooklyn Union Gas Company	2007-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Iroquois	29,886	0	0	29,886	
42384	The Brooklyn Union Gas Company	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	7,778	0	0	7,778	
42387	The Brooklyn Union Gas Company	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	35,694	0	0	35,694	
42386	The Narragansett Electric Company	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	1,068	0	0	1,068	
41221	The Southern Connecticut Gas Company	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	475	475	0	0	
41222	The Southern Connecticut Gas Company	2008-Nov-01	2019-Oct-31	FT	Union Parkway Belt	Iroquois	9,656	9,656	0	0	
41230	The Southern Connecticut Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	34,567	34,567	0	0	
41231	The Southern Connecticut Gas Company	2007-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Iroquois	13,342	2,685	0	10,657	
41223	Yankee Gas Services Company	2008-Nov-01	2019-Oct-31	FT	Union Parkway Belt	Iroquois	5,336	0	0	5,336	
41236	Yankee Gas Services Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	42,642	0	0	42,642	
41237	Yankee Gas Services Company	2007-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Iroquois	20,334	0	0	20,334	
						Iroquois Total	668,662	231,465	0	437,197	
1066	1425445 Ontario Limited	1989-Jan-01	2013-Dec-31	FT	Empress	KPUC EDA	6,500	6,500	0	0	
1138	1425445 Ontario Limited	1975-Apr-01	2013-Oct-31	STS	Union Parkway Belt	KPUC EDA	13,167	13,167	0	0	
						KPUC EDA Total	19,667	19,667	0	0	

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2980	New York State Electric & Gas Corporation	1993-Nov-01	2013-Oct-31	FT	Empress	Napierville	4,775	0	0	4,775
2981	New York State Electric & Gas Corporation	1993-Nov-01	2013-Oct-31	FT	Empress	Napierville	3,805	0	0	3,805
						Napierville Total	8,580	0	0	8,580
42381	Consolidated Edison Company of New York, Inc.	2011-Nov-01	2016-Oct-31	FT	Kirkwall	Niagara Falls	31,651	31,651	0	0
35096	Yankee Gas Services Company	2008-Apr-01	2018-Mar-31	FT	Union Dawn	Niagara Falls	10,265	0	0	10,265
						Niagara Falls Total	41,916	31,651	0	10,265
33045	Vermont Gas Systems, Inc.	2007-Nov-01	2017-Oct-31	FT	Empress	Philipsburg	12,000	0	0	12,000
33556	Vermont Gas Systems, Inc.	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Philipsburg	10,000	10,000	0	0
34490	Vermont Gas Systems, Inc.	2008-Apr-01	2013-Nov-30	FT	Empress	Philipsburg	6,500	6,500	0	0
34728	Vermont Gas Systems, Inc.	2008-Apr-01	2020-Mar-31	STS	Union Parkway Belt	Philipsburg	20,279	20,279	0	0
36188	Vermont Gas Systems, Inc.	2008-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Philipsburg	10,000	1,855	0	8,145
36190	Vermont Gas Systems, Inc.	2008-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Philipsburg	2,000	2,000	0	0
						Philipsburg Total	60,779	40,634	0	20,145
5044	Atlantic Power Limited Partnership	1994-Nov-01	2014-Oct-31	FT	Empress	TCPL NDA	7,536	0	0	7,536
						TCPL NDA Total	7,536	0	0	7,536
38101	Thorold CoGen L.P.	2009-Sep-01	2019-Aug-31	FT-SN	Kirkwall	Thorold CDA	49,500	49,500	0	0
						Thorold CDA Total	49,500	49,500	0	0
42925	TransGas Limited	2011-Nov-01	2012-Oct-31	FT	Empress	Transgas SSDA	10,000	10,000	0	0
						Transgas SSDA Total	10,000	10,000	0	0
20397	Canada Starch Operating Company Inc.	2003-Nov-01	2012-Dec-31	FT	Union Dawn	Union CDA	699	699	0	0
44088	J.P. Morgan Commodities Canada Corporation	2012-Apr-01	2015-Dec-31	FT	Empress	Union CDA	8,145	8,145	0	0
20270	Shell Energy North America (Canada) Inc.	2003-Nov-01	2013-Mar-31	FT	Union Dawn	Union CDA	79,129	79,129	0	0
19332	The Corporation of the City of Kitchener	2003-Sep-01	2013-Oct-31	FT	Union Dawn	Union CDA	8,000	0	0	8,000
32907	The Corporation of the City of Kitchener	2007-Nov-01	2012-Oct-31	FT	Empress	Union CDA	500	500	0	0
32908	The Corporation of the City of Kitchener	2007-Nov-01	2012-Oct-31	FT	Empress	Union CDA	500	0	0	500
32909	The Corporation of the City of Kitchener	2007-Nov-01	2012-Oct-31	FT	Empress	Union CDA	500	200	0	300
1142	Union Gas Limited	1992-Apr-01	2013-Dec-31	STS	Union WDA	Union CDA	3,150	3,150	0	0
1142	Union Gas Limited	1992-Apr-01	2013-Dec-31	STS	Union NDA	Union CDA	49,100	49,100	0	0
2776	Union Gas Limited	1993-Apr-01	2013-Jan-31	FT	Empress	Union CDA	3,699	199	0	3,500
6673	Union Gas Limited	1996-Nov-01	2013-Dec-31	FT	Empress	Union CDA	1,979	79	0	1,900
12430	Union Gas Limited	1999-Nov-01	2013-Oct-31	FT	Empress	Union CDA	13,149	314	0	12,835
20259	Union Gas Limited	2003-Nov-01	2013-Oct-31	FT	Union Dawn	Union CDA	60,000	60,000	0	0
22754	Union Gas Limited	2003-Nov-01	2013-Oct-31	FT	Empress	Union CDA	40,000	0	0	40,000
39928	Union Gas Limited	2010-Nov-01	2015-Dec-31	FT	Empress	Union CDA	12,500	0	0	12,500
42581	Union Gas Limited	2011-Nov-01	2013-Oct-31	FT	Union Parkway Belt	Union CDA	16,000	16,000	0	0
42582	Union Gas Limited	2011-Nov-01	2012-Oct-31	FT-NR	Union Parkway Belt	Union CDA	64,000	64,000	0	0
						Union CDA Total	361,050	281,515	0	79,535
20396	Canada Starch Operating Company Inc.	2003-Nov-01	2013-Dec-31	FT	Union Dawn	Union EDA	1,020	1,020	0	0
20398	Canada Starch Operating Company Inc.	2004-Jan-01	2013-Dec-31	FT	Union Dawn	Union EDA	490	490	0	0
29482	Dyno Nobel Canada Inc.	2006-Mar-30	2013-Oct-31	FT	Empress	Union EDA	950	950	0	0
35657	GreenField Ethanol Inc.	2008-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Union EDA	2,000	2,000	0	0
5106	Husky Energy Marketing Inc.	1994-Jul-01	2014-Oct-31	FT	Empress	Union EDA	33,563	23,563	0	10,000
6570	Kingston CoGen Limited Partnership	1996-Oct-01	2016-Oct-31	FT	Empress	Union EDA	21,045	21,045	0	0
12870	Ontario Power Generation Inc.	1999-Nov-01	2013-Oct-31	FT	Empress	Union EDA	4,000	0	0	4,000
1048	Union Gas Limited	1989-Jan-01	2013-Dec-31	FT	Empress	Union EDA	50,426	10,156	0	40,270
1142	Union Gas Limited	1992-Apr-01	2013-Dec-31	STS	Union Parkway Belt	Union EDA	68,520	68,520	0	0
2744	Union Gas Limited	1993-Nov-01	2013-Oct-31	FT	Empress	Union EDA	8,675	8,675	0	0
29591	Union Gas Limited	2006-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Union EDA	30,000	30,000	0	0
33559	Union Gas Limited	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Union EDA	5,000	5,000	0	0
						Union EDA Total	225,689	171,419	0	54,270

CONTRACT DEMAND ENERGY (CDE) REPORT - Mainline										
As Of Date: 2012-Jul-03										
Service Type: FST, FT, FT-NR, FT-SN, LTWFS, STS										
Contract Number	Service Requester	Contract Start Date	Contract End Date	Service Type	Primary Receipt	Primary Delivery	Contract Demand (GJ/d)	Operational Demand (GJ/d)	Shifted Qty (GJ/d)	Temp Assigned Qty (GJ/d)
1049	Union Gas Limited	1989-Jan-01	2013-Dec-31	FT	Empress	Union NCDA	9,211	0	0	9,211
1052	Union Gas Limited	1989-Apr-01	2013-Oct-31	FT	Empress	Union NCDA	1,545	0	0	1,545
						Union NCDA Total	10,756	0	0	10,756
43625	Agrium	2012-Jan-01	2012-Dec-31	FT	Empress	Union NDA	1,700	1,700	0	0
13757	Atlantic Power Limited Partnership	2000-Feb-01	2016-Oct-31	FT	Empress	Union NDA	8,182	0	0	8,182
13758	Atlantic Power Limited Partnership	2000-Feb-01	2016-Oct-31	FT	Empress	Union NDA	8,182	0	0	8,182
6498	Iroquois Falls Power Corp.	1996-Sep-01	2016-Aug-31	FT	Empress	Union NDA	20,874	20,874	0	0
20547	Toromont Industries Ltd.	2003-May-01	2013-Apr-30	FT	Empress	Union NDA	374	374	0	0
1045	Union Gas Limited	1989-Jan-01	2013-Dec-31	FT	Empress	Union NDA	65,745	577	0	65,168
40444	Vale Canada Limited	2010-Nov-01	2012-Oct-31	FT	Empress	Union NDA	3,500	0	0	3,500
						Union NDA Total	108,557	23,525	0	85,032
43608	Active Energy Corp.	2012-Jan-01	2014-Dec-31	FT	SS. Marie	Union SSMDA	6,143	6,143	0	0
43607	Flakeboard Company Limited	2012-Jan-01	2013-Dec-31	FT	Empress	Union SSMDA	300	300	0	0
39703	Lake Superior Power Limited Partnership	2011-Jan-01	2013-Dec-31	FT	SS. Marie	Union SSMDA	10,100	10,100	0	0
1047	Union Gas Limited	1989-Jan-01	2013-Dec-31	FT	Empress	Union SSMDA	2,700	0	0	2,700
42229	Union Gas Limited	2011-Nov-01	2014-Oct-31	FT	SS. Marie	Union SSMDA	6,143	6,143	0	0
						Union SSMDA Total	25,386	22,686	0	2,700
44317	BP Canada Energy Group ULC	2012-Apr-01	2013-Mar-31	FT	St. Clair	Union SWDA	40,000	40,000	0	0
37099	Cargill Limited	2009-Jan-22	2013-Jan-31	FT	St. Clair	Union SWDA	10,125	10,125	0	0
42766	ConocoPhillips Canada Marketing & Trading ULC	2011-Aug-20	2012-Aug-20	FT	St. Clair	Union SWDA	31,652	31,652	0	0
44316	Direct Energy Marketing Limited	2012-Apr-01	2013-Mar-31	FT	Empress	Union SWDA	40,000	40,000	0	0
33196	Tenaska Marketing Canada, a division of TMV Corp.	2007-Nov-01	2014-Mar-31	FT	St. Clair	Union SWDA	30,000	30,000	0	0
43367	Tenaska Marketing Canada, a division of TMV Corp.	2011-Dec-01	2013-Mar-31	FT	St. Clair	Union SWDA	100,000	100,000	0	0
						Union SWDA Total	251,777	251,777	0	0
1046	Union Gas Limited	1989-Jan-01	2013-Dec-31	FT	Empress	Union WDA	39,880	3,150	0	36,730
						Union WDA Total	39,880	3,150	0	36,730
37017	Enbridge Gas Distribution Inc.	2009-Jan-12	2018-Oct-31	FT-SN	Union Parkway Belt	Victoria Square #2 CDA	85,000	85,000	0	0
37098	Portlands Energy Centre L.P.	2009-Jan-22	2013-Nov-30	FT-SN	Union Parkway Belt	Victoria Square #2 CDA	100,000	100,000	0	0
						Victoria Square #2 CDA Total	185,000	185,000	0	0
42926	TransGas Limited	2011-Nov-01	2012-Oct-31	FT	Empress	Welwyn	5,127	5,127	0	0
						Welwyn Total	5,127	5,127	0	0
						Grand Total	4,754,975	3,150,090	0	1,604,885
- CONTRACT DEMAND is equal to the current version contract demand plus the CD TEMP SHIFTED QTY in effect. - OPERATIONAL DEMAND is equal to CONTRACT DEMAND minus CD TEMP SHIFTED QTY and CD TEMP ASSIGNED QUANTITY. - CD TEMP SHIFTED QTY is equal to the Shifts in effect off of the originating FT contract. - CD TEMP ASSIGNED QUANTITY is equal to the Temporary Assignments in effect off of the originating FT contract. - 'Permanent Assignments' in effect are shown on the report as new FT contracts for the assignee. - LTWFS (Long Term Winter Firm Service) quantity applies to the winter period only (Nov 1 to Mar 31). - STS (Storage Transportation Service) quantities and all demand paths are stated for these contracts. - Only current contract information is included in this report. I.e., no future dated contracts (or amendments) are posted.										

for Discussion Purposes Only
 Nov. 1st quantities as reported
 April of each year

TransCanada Mainline Historic Expiry & Renewal Profile



1 MS. CAMERON: Yes.

2 MR. QUINN: Okay. Thank you.

3 And then if I may ask you to turn up page 5 of your
4 reply evidence that was submitted fairly recently -- I
5 don't have the date on it -- but reply evidence to our
6 intervenor evidence?

7 MS. CAMERON: I have it.

8 MS. SEBALJ: For the record, it's been marked as K1.9.

9 MR. QUINN: Oh, thank you.

10 MS. CAMERON: I have it.

11 MR. QUINN: So at the bottom of that page, it says:

12 "If optimization space is to be included in this
13 allocation, there must be the associated
14 optimization revenues, costs and risks."

15 Stopping there, what are the risks of this
16 optimization that you are referring to?

17 MR. ISHERWOOD: It is similar to what I just
18 described.

19 To the extent you are encroaching on someone else's
20 space, if that customer shows up, they are obviously
21 entitled to that space. So to the extent you've sold space
22 that somebody else is entitled to, it's not like me showing
23 up at the Air Canada gate when the other ticket shows up at
24 the gate, and Air Canada has to solve that problem. They
25 have to pay somebody to wait to a different time.

26 So it's very similar example. So the risk would be
27 that you have sold space twice, and both customers need the
28 space on the same day. So you have to do something to

1 manage that risk.

2 MR. QUINN: So they both arrive to Union and they
3 nominate into storage, and Union doesn't have enough
4 storage that day?

5 MR. ISHERWOOD: That's right.

6 MR. QUINN: Does Union act immediately in that day to
7 sell whatever quantity of space that is necessary to
8 accommodate these customers?

9 MR. ISHERWOOD: Yeah. We wouldn't look at it so much,
10 Mr. Quinn, on a day-to-day basis. We are looking at it
11 more from a trend point of view.

12 MR. QUINN: But to the extent that they have a demand
13 right, so they nominate to their storage, and again, using
14 your example, they both arrive at the gate at the same with
15 the same ticket for the same seat, what does Union do to
16 allow both to enter the plane?

17 MR. ISHERWOOD: The critical day for us is October
18 31st, so if they are both showing up on October 31st, then
19 we need to do something to move -- and I use that date as a
20 kind of a line in the sand. Obviously, if we saw the trend
21 happening a week or two before that, we would act sooner,
22 but if they are both trying to be full on October 31st,
23 then we would have to move gas off the system.

24 MR. QUINN: Immediately?

25 MR. ISHERWOOD: Pardon me?

26 MR. QUINN: Immediately? Like, how long does it take
27 to go get a price?

28 MR. ISHERWOOD: We would, again, look at the trends,

1 and the sooner we saw the trend emerging, and the sooner we
2 acted, the better it would be.

3 MR. QUINN: But to define risk in this case, you are
4 not anticipating that they would need the space; that's why
5 you have sold it twice. They both arrive, they both
6 nominated for the day. How do you allow for --

7 MR. ISHERWOOD: Nominating for the day in September is
8 not the issue. The issue would be if they kept nominating
9 in September and October, and were aiming at the same time
10 to be full on October 31st.

11 MR. QUINN: But as a risk, you are surprised by the
12 fact they both have asked for it. I am not saying
13 September; I am saying the last week of October. It's not
14 October 31st. You haven't done that assessment.

15 How do both get access to the space?

16 MR. ISHERWOOD: They both would have access to the
17 space. What would be happening behind the scenes is if
18 Union thought there would be a risk of us being full before
19 October 31st -- i.e., they both came in October 29th or
20 something -- we would be moving gas off the system in
21 advance of that. We would not wait until the last day to
22 take action, in other words.

23 MR. QUINN: But again, I am creating a scenario
24 whereby you are surprised by the fact, because in the first
25 place you didn't anticipate they were going to use it. I
26 am trying to understand how that demand rate is
27 accommodated on that day.

28 MR. ISHERWOOD: I am not sure there is much more I can

1 provide. We would look at the trend in advance, and we
2 would -- seeing if it's going to -- if they are heading
3 towards being full at the same time we would take action a
4 week or two or a month in advance. We watch inventory very
5 closely from -- well, always, but especially in the last
6 few weeks of October.

7 MR. QUINN: In any forecasting there is a range of
8 error that occurs, and when you have made that error and
9 maybe have not moved the gas to create the space, what
10 happens?

11 MR. ISHERWOOD: You have to move the gas to move the
12 space, to create the space.

13 MR. QUINN: How --

14 MR. ISHERWOOD: We have a firm obligation to both
15 customers, so we need to make sure we can abide to that
16 obligation.

17 MR. QUINN: I guess what my concern would be is, can
18 you demonstrate that you are not using the contingency
19 space to allow both to have access that day and then make
20 mitigating deals after the fact?

21 MR. ISHERWOOD: I am not sure whether the mitigating
22 deal would be after the fact. So in order to create space,
23 you need to do it before the issue happens. So we would
24 have to act in advance of October 31st.

25 MR. QUINN: So you have never been 100 percent full in
26 your long-term storage account?

27 MR. ISHERWOOD: Not to my knowledge.

28 MR. QUINN: Do you have records for the last three

1 years since you have been managing this, what the balances
2 were through the month of October?

3 MR. ISHERWOOD: I can certainly get you last year's
4 number. I know it was a fairly large number. We are just
5 not sure, the number I have in the back of my mind, what it
6 all includes, so what we need to include is ex-franchise
7 empty, not empty.

8 MR. QUINN: Okay. Well, I would like, if you would,
9 to undertake the last three years. One year is a snapshot.
10 You've been doing this for three years. I understand you
11 are tracking -- you have people, as you said, monitoring it
12 very closely through the month of October, so to provide
13 the balances, and if I may say, from October to November,
14 for the long-term storage account.

15 MR. ISHERWOOD: The number that would be most helpful,
16 I think, would be how empty we are, or full we are, on
17 October 31st. That's really the indicator.

18 MR. QUINN: And we would ask that you go beyond that,
19 so that we understand what the daily balance is and how
20 that daily demand rate is managed on behalf of customers
21 who have that demand right.

22 MR. ISHERWOOD: And you want in total?

23 MR. QUINN: In total, relative to the space that was
24 allocated. So you can do it on a percentage basis, if
25 there were 60 PJs of space allocated to the non-utility,
26 provide that number, then provide either percentage or the
27 actual quantity full, that would be helpful.

28 MR. SMITH: I am sorry, I am not sure that I

1 understand the significance of the request relative to
2 allocation, if the question is from a cost allocation
3 perspective. I thought what we were talking about was how
4 much space there was physically available on October 31st,
5 not how much was in the cost allocation study. I just want
6 to make sure that if we are being given an undertaking,
7 that we're not -- if it's clear both why the information is
8 being sought and what is being sought.

9 MR. QUESNELLE: Mr. Quinn?

10 MR. QUINN: Yes, our concern, sir, is that it is an
11 integrated storage pool. There are transactions happening
12 on a daily basis. We have evolved in how we look at
13 storage in Ontario, and during that time there has been
14 this distinction, utility and non-utility. I am just, for
15 the record, ensuring that we have a separation that does
16 not rely on space, like contingency space, that is referred
17 to, that is paid for by utility customers, backstopping
18 deals for the non-utility.

19 MR. QUESNELLE: Okay. Understood.

20 MS. SEBALJ: So we will mark it as J2.1. I don't
21 know, Mr. Quinn, if you can just for the record make clear
22 what -- I sense we probably have three or four pages of
23 transcript describing this undertaking, and I -- if we can
24 do it in a concise way, that would be helpful.

25 MR. QUINN: I will try to be concise, thank you.

26 For the gas years of three years, 2008, -9, and -10,
27 provide the allocated non-utility storage space for that
28 year, and then the balance of non-utility storage for each

1 day, October through November, of those respective years.

2 **UNDERTAKING NO. J2.1: TO PROVIDE THE ALLOCATED NON-**
3 **UTILITY STORAGE SPACE FOR 2008, 2009, AND 2010, AND**
4 **ALSO THE BALANCE OF NON-UTILITY STORAGE FOR EACH DAY**
5 **OF OCTOBER AND NOVEMBER OF THOSE YEARS**

6 MR. QUESNELLE: Having heard the undertaking, Mr.
7 Smith...

8 MR. SMITH: Well, I am not sure why we would provide
9 the information on each day between October and November.
10 I mean, as I understand the cross-examination, the
11 fundamental premise of my friend's question is not
12 accepted. The cross-examination proceeded upon the basis
13 that there would come a point in time on October 31st when
14 Union would, to its surprise, find itself without space,
15 and as I understand Mr. Isherwood's responses in cross-
16 examination, that doesn't happen.

17 And so I am not sure why we are being asked to provide
18 the information on a daily basis for October, every day in
19 October, and every day in November, when we know from an
20 operational perspective, if there is a key date it's
21 October 31st.

22 MR. QUESNELLE: But what I heard from Mr. Isherwood,
23 that things would happen in advance of the 31st, and it
24 wouldn't necessarily be on that day. I think what Mr.
25 Quinn is looking for is -- wants to follow that trend and
26 see what are the activities, what were the activities, that
27 were taken in advance of October 31st to Mr. Isherwood's
28 point that they wouldn't wait until that day.

1 Now, I am missing the significance of what happens
2 post, in November, as we are leading up to this, and it
3 seems to me that may not have the same illustrative merit
4 in looking at November, but maybe you could explain further
5 what your concern would be with the following of October
6 31st, Mr. Quinn.

7 MR. QUINN: October 31st is traditionally the day that
8 we move from the summer schedule to the winter schedule or
9 injection versus withdrawal, but the peak and storage
10 doesn't necessarily always happen on October 31st. It can
11 happen in the middle of November. And in fact, there are
12 Union contracts that have interruptibility of rights for
13 ex-franchise customers that lead into November, so that
14 they have the option to, if the space isn't full October
15 31st, that they still wanted to have the space full going
16 into the winter, they will undertake to do that up until
17 the deemed point that the weather is taking over and now
18 you are into a withdrawal season.

19 MR. QUESNELLE: Just on the feasibility of pulling
20 this together, Mr. Smith, is this...?

21 MR. SMITH: I am not in a position to say off the top
22 of my head. I think Mr. Isherwood will just have to
23 comment on whether or not he can do it in the time -- and
24 how quickly, and I'd ask him to do so.

25 MR. ISHERWOOD: The data should be available.

26 MR. QUESNELLE: Thank you.

27 I think we have it clear on the record then, Ms.
28 Sebalj.

UNION GAS LIMITED

Undertaking of Union Gas
To Mr. D. Quinn (FRPO)

Please provide the allocated non-utility storage space for 2008, 2009, and 2010, and also the balance of non-utility storage for each day of October and November of those years.

The attachment outlines the total non-utility storage balances as a percentage of the total non-utility storage space available.

Union targets to be at the total non-utility storage space by October 31 of each year (Union's peak storage day). Contrary to the plan, for the period of October and November 2009, the non-utility balances did exceed the non-utility storage space available.

For the periods of October and November 2008 and 2010, the non-utility balance was within the total non-utility storage space available. Union does not plan to exceed the total non-utility storage space available.

Non-Utility Balances as a Percent of the Non-Utility Storage Space Available
Union Gas Limited

October				November			
Day	2008	2009	2010	Day	2008	2009	2010
1	97%	104%	86%	1	97%	105%	99%
2	97%	104%	87%	2	97%	105%	98%
3	97%	104%	88%	3	98%	105%	98%
4	97%	104%	88%	4	98%	105%	98%
5	98%	104%	88%	5	98%	105%	98%
6	98%	103%	89%	6	98%	105%	98%
7	98%	103%	89%	7	98%	105%	98%
8	98%	103%	90%	8	99%	105%	98%
9	98%	103%	91%	9	99%	106%	98%
10	98%	103%	92%	10	99%	106%	97%
11	99%	103%	93%	11	100%	106%	97%
12	99%	103%	93%	12	99%	106%	98%
13	99%	103%	93%	13	100%	105%	99%
14	99%	102%	93%	14	100%	105%	99%
15	99%	102%	94%	15	100%	105%	100%
16	99%	102%	94%	16	100%	105%	100%
17	99%	102%	95%	17	100%	105%	100%
18	99%	102%	95%	18	100%	105%	99%
19	99%	101%	95%	19	98%	105%	99%
20	99%	102%	96%	20	97%	104%	99%
21	99%	102%	96%	21	96%	104%	99%
22	99%	102%	96%	22	94%	104%	99%
23	98%	102%	97%	23	93%	104%	99%
24	98%	102%	97%	24	93%	104%	99%
25	98%	103%	97%	25	91%	104%	98%
26	98%	103%	98%	26	90%	104%	98%
27	98%	103%	98%	27	89%	104%	98%
28	98%	104%	98%	28	88%	104%	97%
29	97%	104%	99%	29	87%	104%	97%
30	96%	104%	99%	30	86%	104%	97%
31	97%	104%	99%				

UNION GAS LIMITED

Answer to Interrogatory from
Board Staff

Ref: Exhibit C1, Tab 7 and Exhibit H1, Tab 4, Appendix C

Union noted that following the NGEIR Decision (EB-2005-0551) Union's practice has been to sell its non-utility storage space on a long-term basis and to sell the excess utility space on a short-term basis. Despite this practice, Union is authorized by the Board to sell non-utility storage space under short-term contracts and retain 100% of the revenues.

Union proposed that when it sells short-term peak storage services using non-utility storage space, the total margins received from the sale of all peak short-term storage be allocated to ratepayers and shareholders based on the utility and non-utility share of the total quantity of peak short-term storage (less than 2 years) sold each calendar year.

Union noted that it is able to give effect to its proposal due to its ability to track what storage assets are being used for each type of storage transaction. At p. 5 of the Board's Decision on Rate Order in EB-2011-0038, the Board indicated that:

"... the Board's findings are informed by Union's ability to track what storage assets are being used for each type of storage transaction and state that the entire amount of utility storage above in-franchise requirements is available for sale as short-term storage services (and all costs of this space is to be paid for by in-franchise customers)."

Union noted that the proposed change does not impact ratepayers. Going forward, Union will continue to sell all excess annual utility storage as short-term peak storage, and likewise 90% of all margins from C1 Off-Peak Storage, Gas Loans, Enbridge LBA, Supplemental Balancing Services, and C1 Firm Short-Term Deliverability will accrue to ratepayers. Union proposed to modify the Short-term Storage and Other Balancing Services accounting order to specify that the revenues are associated with the excess utility space. (Para 1)

Union's proposed revised description for the Short-term Storage and Other Balancing Services Deferral Account is as follows:

To record, as a debit (credit) in Deferral Account No. 179-70 the difference between actual net revenues for Short term Storage and Other Balancing Services including; Peak Short-Term Storage underpinned by excess utility storage assets, Off-Peak Short-Term Storage, Gas Loans and Supplemental Balancing Services and the net revenue forecast for these services as approved by the Board for ratemaking purposes. (Para 2)

- a) Please discuss whether Union is planning on selling non-utility storage space as short-term peak storage services in the future. Please highlight whether this is a change from Union's past practices.
- b) Please explain why Union can not track only the short-term storage transactions which rely on excess utility storage space and include the entirety of those transactions in the Short Term Storage Deferral Account for margin sharing with ratepayers. Please explain why Union is proposing to use a proportional approach for allocating margins to shareholders and ratepayers.
- c) Please explain if and how Union's proportional approach operates to record amounts for sharing in the Short Term Storage Deferral Account. Please provide an example using the 10PJ / 13PJ scenario provided in Union's evidence at Exhibit C1, Tab 7.
- d) Please explain the differences in language between stating that 90% of all margins from C1 Off-Peak Storage, Gas Loans, Enbridge LBA, Supplemental Balancing Services, and C1 Firm Short-Term Deliverability will be accrue to ratepayers (Paragraph 1 cited in the preamble) and what is stated in Paragraph 2 (also cited in the preamble).
- e) Does Union agree that the following description for the Accounting Order is more transparent:

To record, as a debit (credit) in Deferral Account No. 179-70 the difference between actual net revenues for Short term Storage and Other Balancing Services including; Peak Short-Term Storage underpinned by the excess utility storage assets (above utility requirements and below the 100 PJ fixed utility asset), Off-Peak Short-Term Storage, Gas Loans and Supplemental Balancing Services and the net revenue forecast for these services as approved by the Board for ratemaking purposes.

Response:

- a) Subject to the Board's approval of Union's proposed approach to sharing revenue from the sale of short-term peak storage services and the appropriate market conditions, Union will sell short-term peak storage service using non-utility space. This is a change from Union's past practices.
- b) Union is able to trace the individual short-term peak storage transactions and could assign the individual storage transactions as utility transactions or non-utility transactions. Rather than assigning individual transactions as utility or non-utility, Union has proposed to proportion total short-term peak storage revenue based on the utility/non-utility share of the total quantity of short-term peak storage sold to avoid any opportunity for Union or ratepayers to be advantaged relative to the other due to timing of the transactions.

- c) Union's proportional approach will allocate the net revenues, related to short-term peak storage services between utility and non-utility sales. The portion allocated as utility sales will be the amount recorded in the deferral account.

Each year the excess utility storage will be compared to the total sales of short term peak storage. That ratio will then be applied to the total net revenues from short-term peak storage and that amount will be included for deferral in account 179-70. The remainder of the net revenue from short-term peak storage would accrue to the shareholder as it was generated using non-utility storage assets.

Please see Attachment 1 for a numerical example.

- d) 90% of all margins from C1 Off-Peak Storage, Gas Loans, Enbridge LBA, Supplemental Balancing Services, and C1 Firm Short-Term Deliverability arising from the sale of excess utility space will accrue to the ratepayer. Excess utility space is the difference between 100 PJ and the in-franchise storage requirement (EB-2005-0551 Decision, pp. 101-103).

Non-utility space is all space in excess of the 100 PJ and all revenues, whether short-term or long-term, accrue to the Company (EB-2005-0551 NGEIR Decision, pp. 103-104).

- e) Union confirms the description provided for the Accounting Order is more transparent.

1 MR. QUINN: That will shorten things up considerably.

2 MR. MILLAR: JT1.11.

3 Mr. Quinn, you had asked a question before. Did you
4 want that...

5 MR. QUINN: Yes, included, if they look at Washington
6 10 as a receipt point on their Chicago-to-Dawn Vector
7 contract.

8 MR. MILLAR: That's JT1.11.

9 **UNDERTAKING NO. JT1.11: TO ADVISE WHETHER WASHINGTON**
10 **10 A RECEIPT POINT ON THE CHICAGO-TO-DAWN VECTOR**
11 **CONTRACT; WHETHER THERE IS A DOCUMENTED PROCEDURE FOR**
12 **CAPACITY RELEASE**

13 MR. QUINN: Thank you. I had missed the fact that D16
14 is under panel 4, but I thought it would be on this panel.

15 So you can defer the answer to this, but I am going to
16 refer you to D-16-10-2, because it's more capacity
17 management than cost allocation, and I am just trying to
18 understand, again, the principles Union uses with the
19 system integrity space.

20 MS. CAMERON: Can you repeat the IR number again,
21 please?

22 MR. QUINN: Sorry, J.D-16-10-2.

23 MS. CAMERON: I have it.

24 MR. QUINN: What we were asking was you have three-
25 and-a-half PJs that's left empty for fall contingency, but
26 then you have a further six PJs that you fill for winter
27 need.

28 I guess our question was: Why don't you use the

1 three-and-a-half PJs that you have empty in the fall, and
2 use that space as part of your six PJs that you have to
3 fill for the winter, and fill that space in December? What
4 reason would Union have not to do it that way?

5 [Witness panel confers]

6 MR. SMITH: Mr. Quinn, is there a portion of the (b)
7 response to that that is not responsive to the question you
8 asked?

9 MR. QUINN: Yes. I am not saying to fill the space in
10 addition to the six PJs; I'm saying use the three-and-a-
11 half as part of the six, so you are not having to keep two
12 separate sets of system integrity space, one empty and one
13 full.

14 The empty space can, a couple of months later, become
15 the full space, and that's what I would call asset
16 optimization.

17 MR. ISHERWOOD: I will try and supplement the actual
18 answer here, but to the extent that space stayed empty in
19 the fall because it wasn't needed in the fall, your premise
20 is, then, to fill it in December, which would be an
21 expensive month to fill it.

22 And to the extent the cold weather didn't come around
23 and you needed to empty it, you would then be carrying
24 expensive gas into the summer, and you would empty it to be
25 ready for the next fall. So you would be filling it
26 unnecessarily with expensive gas, and forced to empty it in
27 the following spring, summer, to make room again for the
28 following fall.

1 MR. QUINN: Your assumption is December gas is going
2 to be expensive gas; is that correct?

3 MR. ISHERWOOD: Typically it is, yes.

4 MR. QUINN: Typically it is? Okay. So what is the
5 value of the storage space?

6 MR. ISHERWOOD: The summer/winter differential.

7 MR. QUINN: The summer/winter differential? So can
8 you, by way of undertaking, show us a numeric example for
9 the last three years that demonstrates that keeping the
10 space empty has saved ratepayers money?

11 MR. SMITH: No.

12 MR. QUINN: Why not? That's -- this is getting
13 clarity on a technical question. The witness has told us
14 that it's more expensive, and I would like to see that
15 demonstrated.

16 MR. SMITH: We will do it.

17 MR. QUINN: Okay. Thank you.

18 MR. MILLAR: JT1.12.

19 **UNDERTAKING NO. JT1.12: TO PROVIDE A NUMERIC EXAMPLE**
20 **FOR THE LAST THREE YEARS THAT DEMONSTRATES THAT**
21 **KEEPING THE SPACE EMPTY HAS SAVED RATEPAYERS MONEY**

22 MR. QUINN: Lastly, then, I did have one more question
23 that I think is this panel, but it's in D14.

24 Again, it shows panel 2, but it's a capacity-related
25 question, so we can answer it here or answer it tomorrow,
26 but under -- these are the list of questions that we
27 submitted -- D14, and the reference is D3, tab 2, schedule
28 5, page 2. We have asked the question --

UNION GAS LIMITED

Undertaking of Mr. Quinn
To Mr. Isherwood

Please provide a numeric example for the last three years that demonstrates that keeping the space empty has saved ratepayers money.

The table below captures the revenue from selling gas molecules in the summer months, and the cost of purchasing gas molecules in the winter months for the last three years.

	Sell Gas	<u>Table 1</u> Buy Gas	Net Cost
	<u>(July)</u>	<u>(Jan)</u>	<u>(\$ per GJ)</u>
2010/11	4.59	5.64	(1.05)
2011/12	4.96	5.45	(0.49)
2012/13	2.58	3.52	(0.94)