BHT Undertaking K8.1: Revise Exhibit D2 on page 60 to include the storage fields that pass the initial price screen.

Response:

Revised Exhibit D 2
Relevant Geographic Market Concentration
MI, IL, IN, NY and PA
HHI

		Capacity		
0		Available	M 1 4 01	
State/Prov	Ultimate Owners	to 3rd Parties	Market Share	HHI
		(MMcf)		
NY, PA	Dominion Resources	208,049	26.39%	696.48
MI, NY	El Paso Corp.	205,127	26.02%	677.05
NY, PA	National Fuel Gas Co.	94,675	12.01%	144.23
Ontario	Duke Energy	67,000	8.50%	72.23
Michigan	DTE (Washington 10)	51,000	6.47%	41.85
IL	Kinder Morgan Inc.	29,600	3.75%	14.10
Michigan	PAA (Bluewater)	24,500	3.11%	9.66
MI, IL	Southern Union Co.	20,603	2.61%	6.83
NY, PA	NiSource, Inc.	16,342	2.07%	4.30
PA	Williams Transco	15,069	1.91%	3.65
PA	PPL Corp.	13,700	1.74%	3.02
New York	Central New York Oil an	12,000	1.52%	2.32
PA	Equitable Resources	8,843	1.12%	1.26
Michigan	Southeastern Gas	6,306	0.80%	0.64
New York	KeySpan Long Island Li	6,573	0.83%	0.70
New York	Arlington Storage Co.	3,100	0.39%	0.15
Michigan	WPS-ESI	3,000	0.38%	0.14
Illinois	Centerpoint Energy	2,200	0.28%	0.08
NY	Energy East	650	0.08%	0.01
	Total	788,337	100%	1,679

Source: Natural Gas Intelligence, "Natural Gas Storage and LNG Facilities in The United States and Canada," database.

Capacity Available

Source for Exhibit D2

Gas Storage in MI, IL, IN, NY, PA

	to 3rd Parties					
	(MMcf)	Ultimate Owners	Operator	Status	Gas Storage Field	State/Prov
	0	Ameren Corp.	Ameren CIPS	Operating	Ashmore	IL
	0	Ameren Corp.	Ameren CIPS	Operating	Sciota	IL
	0	Ameren Corp.	Ameren CIPS	Operating	Belle Gent	IL
	0	Ameren Corp.	Ameren CIPS	Operating	Johnson City	IL
	0	Ameren Corp.	Central Illinois Light Co.	Operating	Lincoln	IL
	0	Ameren Corp.	Central Illinois Light Co.	Operating	Glasford	IL
	0	Aquila	Michigan Gas Utilities	Operating	Partello Anderson	MI
	0	Aquila	Michigan Gas Utilities	Operating	Cortwright/Lee	MI
		Arlington Storage Co.(50%), ANR Storage Co. (50%) (El	Steuben Gas Storage Co.	Operating	Adrian (Steuben)	NY
Arlington Assmed %	3,100	Paso Corp.)				
		Arlington Storage Co.(50%), ANR Storage Co. (50%) (El	Steuben Gas Storage Co.	Potential	Thomas Corner	NY
	0	Paso Corp.)				
		Blue Dolphin Energy Co.	New Avoca Gas Storage LLC	Proposed	Avoca	NY
		(25%), WBI Pipeline & Storage	, and the second	•		
		Group Inc. (75%) (WBI is a				
		subsidiary of MDU Resources)				
	0	•				
		Centerpoint Energy	CenterPoint Energy-Mississippi River Transmission	Operating	St. Jacob	IL
	2,200					
	17,933	Dominion Resources	Dominion Transmission	Operating	Woodhull	NY
	22,517	Dominion Resources	Dominion Transmission	Operating	Greenlick	PA
	11,152	Dominion Resources	Dominion Transmission	Operating	North Summit	PA
	5,635	Dominion Resources	Dominion Transmission	Operating	South Bend	PA
	2,230	Dominion Resources	Dominion Transmission	Operating	Sharon	PA
	10,047	Dominion Resources	Dominion Transmission	Operating	Harrison	PA
	17,167	Dominion Resources	Dominion Transmission	Operating	Sabinsville	PA
	11,637	Dominion Resources	Dominion Transmission	Operating	Tioga	PA
	34,621	Dominion Resources (),	Dominion Transmission	Operating	Oakford	PA
Assumed %	45,206	Williams/Transco (25%)	Dominion Transmission	Operating	Leidy-Tamarack	PA
Assumed 50% to each	26,267	Dominion Resources, El Paso	Dominion Transmission and	Operating	Ellisburg	PA
	,	Corp.	National Fuel	578		
	269	Dominion Resources	People's Natural Gas Co.	Operating	Gamble-Hayden	PA
	367	Dominion Resources	People's Natural Gas Co.	Operating	Murraysville	PA
	2,232	Dominion Resources	People's Natural Gas Co.	Operating	Rager Mountain	PA
	514	Dominion Resources	People's Natural Gas Co.	Operating	Truittsburg	PA
	122	Dominion Resources	People's Natural Gas Co.	Operating	Colvin	PA
	132	Dominion Resources	People's Natural Gas Co.	Operating	Webster	PA

J	in MI, IL, IN, NY, PA				Capacity Available to 3rd Parties	
tate/Prov	Gas Storage Field	Status	Operator	Ultimate Owners	(MMcf)	
MI	Washington 10	Operating	DTE Energy	DTE Energy	51,000	
MI	Washington 28	Operating	DTE Energy	DTE Energy	NA	
MI	Six Lakes (formerly Taggert)	Operating	DTE Energy	DTE Energy	NA	
MI	Belle River Mills	Operating	DTE Energy	DTE Energy	NA	
MI	Columbus	Operating	DTE Energy	DTE Energy	NA	
MI	West Columbus	Operating	DTE Energy	DTE Energy	NA	
					51,000	
NY	Dundee	Operating	Columbia Gas Transmission	NiSource, Inc.	3,450	
NY	Greenwood	Operating	Columbia Gas Transmission	NiSource, Inc.	144	
NY	North Greenwood	Operating	Columbia Gas Transmission	NiSource, Inc.	479	
PA	Blackhawk	Operating	Columbia Gas of PA	NiSource, Inc.	0	
PA	Artemas A	Operating	Columbia Gas Transmission	NiSource, Inc.	7,476	
PA	Artemas B	Operating	Columbia Gas Transmission	NiSource, Inc.	1,054	
PA	Holbrook	Out of Service	Columbia Gas Transmission	NiSource, Inc.	0	
PA	Heard	Out of Service	Columbia Gas Transmission	NiSource, Inc.	0	
PA	Donegal	Operating	Columbia Gas Transmission	NiSource, Inc.	3,738	
					16,342	
MI	Lyon 34	Operating	Consumers Energy	CMS Energy Corp.	0	
MI	Four Corners	Operating	Consumers Energy	CMS Energy Corp.	0	
MI	Hessen	Operating	Consumers Energy	CMS Energy Corp.	0	
MI	Ira	Operating	Consumers Energy	CMS Energy Corp.	0	
MI	Puttygut	Operating	Consumers Energy	CMS Energy Corp.	0	
MI	Swan Creek	Operating	Consumers Energy	CMS Energy Corp.	0	
MI	Northville	Operating	Consumers Energy	CMS Energy Corp.	0	
IL	Ancona	Operating	Nicor Gas	Nicor Inc.	0	
IL	Troy Grove	Operating	Nicor Gas	Nicor Inc.	0	
IL	Pontiac Galesville/Upper	Operating	Nicor Gas	Nicor Inc.	0	
IL	Pontiac Mt. Simon/Lower	Operating	Nicor Gas	Nicor Inc.	0	
IL	Hudson	Operating	Nicor Gas	Nicor Inc.	0	
IL	Lake Bloomington	Operating	Nicor Gas	Nicor Inc.	0	
IL	Lexington	Operating	Nicor Gas	Nicor Inc.	0	
IL	Pecatonica	Operating	Nicor Gas	Nicor Inc.	0	

Capacity Available to 3rd Parties (MMcf)

State/Prov	Gas Storage Field	Status	Operator	Ultimate Owners	(MMcf)	
 MI	North Hamilton	Out of Service	ANR Pipeline	El Paso Corp.	0	
MI	Eaton Rapids 36	Operating	Eaton Rapids Gas Storage	ANR Storage (50%);	6,306	ANR Assume 50% each of
1411	Laton Rapids 50	Operating	Laton Rapids Gas Storage	Southeastern Gas (50%)	0,500	12,611
NY	Adrian (Steuben)	Operating	Steuben Gas Storage Co.	Arlington Storage Co.(50%),	3,100	ANR Assumed %
11 1	Adrian (Steuben)	Operating	Steuben das Storage Co.		3,100	ANK Assumed /0
				ANR Storage Co. (50%) (El		
	0.11			Paso Corp.)		
MI	Coldwater	Out of Service	ANR Pipeline	El Paso Corp.	0	
MI	Muttonville	Operating	ANR Pipeline	El Paso Corp.	6,577	
MI	Austin	Operating	ANR Pipeline	El Paso Corp.	5,614	
MI	Winfield	Operating	ANR Pipeline	El Paso Corp.	4,652	
MI	Croton	Out of Service	ANR Pipeline	El Paso Corp.	0	
MI	Goodwell	Operating	ANR Pipeline	El Paso Corp.	15,480	
MI	Norwich	Out of Service	ANR Pipeline	El Paso Corp.	0	
MI	Loreed	Operating	ANR Pipeline	El Paso Corp.	17,645	
MI	Orient	Out of Service	ANR Pipeline	El Paso Corp.	0	
MI	Reed City	Operating	ANR Pipeline	El Paso Corp.	9,785	
MI	Central Charlton	Operating	ANR Pipeline	El Paso Corp.	9,946	
MI	South Chester	Operating	ANR Pipeline	El Paso Corp.	10,266	
MI	Capac	Operating	ANR Pipeline	El Paso Corp.	10,908	
MI	Cold Springs 12	Operating	ANR Storage	El Paso Corp.	25,257	
MI	Cold Springs 31	Operating	ANR Storage	El Paso Corp.	4,555	
MI	Excelsior 6	Operating	ANR Storage	El Paso Corp.	10,810	
MI	Rapid River 35	Operating	ANR Storage	El Paso Corp.	15,051	
NY	Colden	Operating	National Fuel Gas	National Fuel Gas Co. (50%),	3,775	TGP Assumed % share
		1 0		Tenness Gas Pipeline (El Paso		
				Corp.) (50%)		
MI	Blue Lake 18A	Operating	Blue Lake Gas Storage	El Paso Corp.	45,400	
1111	Diac Dance 10.1	operating	Brue Bane Gas Storage	za razo corp.	205,127	
NY	Stagecoach	Operating	CNYOG	e corp	12,000	
111	Stagecoach	Operating	Civiod	Ссогр	12,000	
NY	Seneca Lake	Operating	New York State Electric & Gas	Energy East	650	
NY	Seneca Lake Cavern 2	Proposed	Seneca Lake Storage	Energy East	0	
					650	
PA	Tepe	Operating	Equitrans	Equitable Resources	562	
PA	Bunola		Equitrans	•	2,538	
		Operating	1	Equitable Resources		
PA	Hunter's Cave	Operating	Equitrans	Equitable Resources	1,805	
PA	Swarts	Operating	Equitrans	Equitable Resources	510	
PA	Swarts West	Operating	Equitrans	Equitable Resources	569	
PA	Pratt	Operating	Equitrans	Equitable Resources	2,559	
PA	Finleyville	Operating	Equitrans	Equitable Resources	300	
					8,843	
NY	Wyckoff	Proposed	Wyckoff Gas Storage Co. LLC	Grey Hawk Gas Storage Co.	0	
	yekon	Toposea	yellon olus bioluge co. EEC	LLC (Falcon Gas Storage,	•	
				Emera Inc.)		
NY	Honeoye	Operating	Honeoye Storage Corp.	KeySpan, Long Island Lighting	6,573	
NI	Tioncoye	Operating	Honeoye Storage Corp.	Co.	0,575	

IL	Cook Mills	Operating	Natural Gas Pipeline Co.	Kinder Morgan Inc.	4,600	
IL	Loudon	Operating	Natural Gas Pipeline Co.	Kinder Morgan Inc.	0	
IL	Herscher Galesville	Operating	Natural Gas Pipeline Co.	Kinder Morgan Inc.	10,700	
IL	Herscher Mt. Simon	Operating	Natural Gas Pipeline Co.	Kinder Morgan Inc.	12,300	
IL	Herscher Northwest	Operating	Natural Gas Pipeline Co.	Kinder Morgan Inc.	2,000	
			-	-	29,600	

					Capacity Available to 3rd Parties	
tate/Prov	Gas Storage Field	Status	Operator	Ultimate Owners	(MMcf)	
NY	Independence/Beech Hill	Operating	National Fuel Gas	National Fuel Gas Co.	19,400	
NY	Laurel Fields	Potential	National Fuel Gas	National Fuel Gas Co.	19,400	
NY	Limestone	Operating	National Fuel Gas	National Fuel Gas Co.	2,000	
NY	Nashville	Operating	National Fuel Gas	National Fuel Gas Co.	3,930	
NY	Perrysburg	Operating	National Fuel Gas	National Fuel Gas Co.	1,850	
NY	Sheridan	Operating	National Fuel Gas	National Fuel Gas Co.	1,100	
		Operating				
NY	Bennington	1 0	National Fuel Gas	National Fuel Gas Co.	1,800	
NY	Collins	Operating	National Fuel Gas	National Fuel Gas Co.	2,850	
NY	Derby	Operating	National Fuel Gas	National Fuel Gas Co.	250	
NY	Holland	Operating	National Fuel Gas	National Fuel Gas Co.	1,100	
NY	Lawtons	Operating	National Fuel Gas	National Fuel Gas Co.	970	
NY	Zoar	Operating	National Fuel Gas	National Fuel Gas Co.	600	
NY	Tuscarora	Operating	National Fuel Gas	National Fuel Gas Co.	3,800	
PA	Belmouth	Operating	National Fuel Gas	National Fuel Gas Co.	800	
PA	Owl's Nest	Operating	National Fuel Gas	National Fuel Gas Co.	650	
PA	St. Mary's	Operating	National Fuel Gas	National Fuel Gas Co.	220	
	•		National Fuel Gas		930	
PA	Boone Mountain	Operating		National Fuel Gas Co.		
PA	Corry	Operating	National Fuel Gas	National Fuel Gas Co.	200	
PA	Summit	Operating	National Fuel Gas	National Fuel Gas Co.	1,600	
PA	Duhring	Out of Service	National Fuel Gas	National Fuel Gas Co.	0	
PA	Queen	Operating	National Fuel Gas	National Fuel Gas Co.	300	
PA	Galbraith	Operating	National Fuel Gas	National Fuel Gas Co.	1,900	
PA	Laurel Fields-Callen	Potential	National Fuel Gas	National Fuel Gas Co.	0	
PA	Markle	Operating	National Fuel Gas	National Fuel Gas Co.	155	
PA	Keelor	Operating	National Fuel Gas	National Fuel Gas Co.	2,400	
PA	Wellendorf	Operating	National Fuel Gas	National Fuel Gas Co.	450	
PA	Swede Hill	Operating	National Fuel Gas	National Fuel Gas Co.	300	
PA	East Branch	Operating	National Fuel Gas	National Fuel Gas Co.	4,500	
PA	Henderson	Operating	National Fuel Gas	National Fuel Gas Co.	2,500	
PA	Deerlick	Out of Service	National Fuel Gas	National Fuel Gas Co.	0	
PA	Hebron	Operating	Tennessee Gas Pipeline	National Fuel Gas Co.	18,345	
NY	Colden	Operating	National Fuel Gas	National Fuel Gas Co. (50%), Tenness Gas Pipeline (El Paso	3,775	NFG Assumed %
	***			Corp.) (50%)	44000	
PA	Wharton	Operating	National Fuel Gas	National Fuel, Transco (Williams), North Penn	16,000	
				(,,	94,675	
MI	Blue Water	Operating	Blue Water Gas Storage LLC	PAA/Vulcan Gas srorage	24,500	
IL	Manlove	Operating	People's Energy	People's Energy	0	
PA	Meaker	Operating	North Penn Gas Co.	PPL Corp.	3,700	
PA	Palmer	Operating	North Penn Gas Co.	PPL Corp.	10,000	
					13,700	
IL	Elbridge	Proposed	Progas Storage and Marketing	Progas Storage and Marketing	0	
IL	Nevins	Proposed	SE Progas Storage and Marketing	SE Progas Storage and Marketing	0	
IL	Mills	Operating	SE Egyptian Gas Storage Co.	SE Robinson Engineering	0	
M	I	0	(Robinson Engineering)	SEMCO E	_	
MI	Lacey	Operating	SEMCO Energy Gas Co.	SEMCO Energy Inc.	0	
MI	Lee 11	Operating	SEMCO Energy Gas Co.	SEMCO Energy Inc.	0	
MI	Lee 2	Operating	SEMCO Energy Gas Co.	SEMCO Energy Inc.	0	
	Collin	Operating	SEMCO Energy Gas Co.	SEMCO Energy Inc.	0	
MI	3.6	Operating	SEMCO Energy Gas Co.	SEMCO Energy Inc.	0	
MI MI	Morton #16			SEMCO Energy Inc.	0	
	Morton #16 Morton #17-21A	Operating	SEMCO Energy Gas Co.	63		
MI		Operating Operating	Eaton Rapids Gas Storage	ANR Storage (50%); Southeastern Gas (50%)	6,306	
MI MI MI	Morton #17-21A Eaton Rapids 36	Operating	Eaton Rapids Gas Storage	ANR Storage (50%); Southeastern Gas (50%)		
MI MI	Morton #17-21A			ANR Storage (50%);	6,306 4,139 16,464	SE Gas Assume 50% ea

Gas Storage i	n Wii, IL, IN, NY, PA				Capacity Available to 3rd Parties	
State/Prov	Gas Storage Field	Status	Operator	Ultimate Owners	(MMcf)	
PA	Smith-Park	Operating	T.W. Phillips Gas & Oil Co.	T.W. Phillips Gas and Oil Co.	0	
PA	Fair	Out of Service	T.W. Phillips Gas & Oil Co.	T.W. Phillips Gas and Oil Co.	0	
PA	Hughes	Operating	T.W. Phillips Gas & Oil Co.	T.W. Phillips Gas and Oil Co.	0	
PA	Portman	Operating	T.W. Phillips Gas & Oil Co.	T.W. Phillips Gas and Oil Co.	0	
PA	Vardy	Operating	T.W. Phillips Gas & Oil Co.	T.W. Phillips Gas and Oil Co.	0	
PA	Gourley Miller	Out of Service	T.W. Phillips Gas & Oil Co.	T.W. Phillips Gas and Oil Co.	0	
PA	Alabran	Operating	T.W. Phillips Gas & Oil Co.	T.W. Phillips Gas and Oil Co.	0	
PA	Clark	Operating	T.W. Phillips Gas & Oil Co.	T.W. Phillips Gas and Oil Co.	0	
PA	Kinter	Operating	T.W. Phillips Gas & Oil Co.	T.W. Phillips Gas and Oil Co.	0	
PA	Sprankle	Operating	T.W. Phillips Gas & Oil Co.	T.W. Phillips Gas and Oil Co.	0	
PA	Seanor	Operating	T.W. Phillips Gas & Oil Co.	T.W. Phillips Gas and Oil Co.	0	
Ohio	Zane/Muskie	Operating	National Gas and Oil Corp.	The Energy Cooperative	0	
Ohio	Perry	Operating	National Gas and Oil Corp.	The Energy Cooperative	0	
PA	Columbus	Potential	U.S. Energy Development Co.	U.S. Energy Development Co.	0	
MI	Kimball 27 Gas Storage	Operating	WPS Energy Services	WPS Resources Corp.	3,000	
PA	Leidy-Tamarack	Operating	Dominion Transmission	Dominion Resources (75%), Williams/Transco (25%)	15,069	Williams Transco Assumed %

APPENDIX – TABLE 2 SOURCES UNION GAS



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STORAGE AND TRANSPORTATION RATES

(A) Applicability

The charges under this schedule shall be applicable to a Shipper who enters into a Storage or Transportation Service Contract with Union.

(B) Services

Storage service under this rate schedule is for storage in Union's storage facilities and must be combined with transportation service to transport the gas out of Union's franchise area.

Transportation Service under this rate schedule is transportation on Union's Dawn - Oakville facilities.

(C) Rates

The identified rates (excluding gas supply charges, if applicable) represent maximum prices for service. These rates may change periodically. Multi-year prices may also be negotiated, which may be higher or lower than the identified rates.

	Monthly Demand Charge Rate/GJ			ippers Provid eir Own Fuel	ing
Storage	per month for daily contract demand	Commodity Charge <u>Rate/GJ</u>	Fuel Ratio Apr-Oct	Nov-Mar	Commodity Charge <u>Rate/GJ</u>
Space - Union Providing Deliverability Inventory (1), (5) - Shipper Providing Deliverability Inventory (1), (5)	\$0.026 — \$0.010	capacity			
Deliverability Firm (5)	. \$4.024				
- Interruptible:	\$1.024				
Maximum	\$3.575		1.0		
Injection		\$0.056	0.63%	0.63%	40.004
Withdrawal		\$0.056	0.63%	0.63%	\$0.004 \$0.004
Denydration (2)		\$0.001	0.00,0	0.0076	\$0.004
Firm Transportation (3)					
Without compression at Union's Dawn Compression Station ("Dawn") - Easterly Flow					
Dawn to Kirkwall	\$1,713	Monthly commodity	rates and fuel	ratine chall	\$0,000
Dawn to Oakville/Parkway	\$2.079	be in accordance w	th Schedule	'C", page 1.	\$0.000
With Dawn Compression - Easterly Flow				2	20
Dawn to Kirkwali	\$1.968	Monthly commodity	rates and fuel	ļ.	\$0.000
Dawn to Oakville/Parkway	\$2.334	ratios shall be in ac	cordance with		\$0.000
- Westerly Flow	n/a	Schedule "C", page	1.		\$0.000
Dawn Compression	\$0.255				
Parkway to Parkway		8			0.35%
Dehydration (2)					
- Tecumseh	\$0.045	\$0.001			\$0.001



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(C) Rates (cont'd)

	Monthly Demand Charge Rate/GJ			hippers Provid	ling
	per month for	Commodity		and bear	Commodity
	daily contract	Charge	Fuel R	100 A	Charge
Limited Firm/Interruptible	<u>demand</u>	Rate/GJ	Apr-Oct	Nov-Mar	Rate/GJ
Transportation with Dawn Compression	on (3)				
- Easterly Flow		Monthly commodi	ty rates and fo	ratine chall	
Maximum	\$5.602	be in accordance	with Schedule	"C", page 1.	\$0.000
Firm Transportation Demand From Day and Dawn to Oakville/Parkway Without - Easterly Flow - Kirkwail		Monthly commodi	h, rates and fu	vol ratios shall	
Maximum - Easterly Flow - Parkway	\$5.602	be in accordance Monthly commodi	with Schedule	"C", page 1.	\$0.000
Maximum	\$5.602	be in accordance			\$0.000

Authorized Overrun

Authorized overrun rates will be payable on all quantities in excess of Union's obligation on any day. The overrun charges payable will be calculated at the following rates. Overrun will be authorized at Union's sole discretion.

n e i	Union Providing		hippers Prov	
	<u>Fuel</u>	<u>T</u>	heir Own Fue	el .
	Commodity	9 		Commodity
	Charge	Fuel R	atio	Charge
	Rate/GJ	Apr-Oct	Nov-Mar	
Firm or Limited Firm/Interruptible	<u>Italeico</u>	ADI-OCE	MOA-MIST	Rate/GJ
or without LCU protection				
Storage Commodity:				
Injection	4492			
	\$ 0.124	1.05%	1.05%	\$ 0.038
Withdrawai	\$ 0.124	1.05%	1.05%	\$ 0.038
Dehydration - Tecumseh	\$ 0.003			\$ 0.003
Others	\$ 0 .00 1			\$ 0.001
Dawn Compression	\$ 0.008	0		\$ 0.008
Firm or interruptible				
Transportation Commodity: (4)				•
Without Dawn Compression - Easterly				
Dawn to Kirkwall	1000 (100) (1000 (1000 (1000 (100) (1000 (1000 (1000 (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (1000 (100) (100) (100) (1000 (100) (100) (1000 (100) (100) (1000 (100) (100) (100) (100) (100) (100) (1000 (100) (10 2020 or 600 000 000		
		ates and fuel ratios shall	be in	\$ 0.056
Dawn to Oakville/Parkway	accordance with Scho	edule "C", page 2.		\$ 0.068
With Dawn Compression - Easterly				
Dawn to Kirkwali	Monthly commodity ra	ates and fuel ratios shall	be in	\$ 0.085
Dawn to Oakville/Parkway	accordance with Sche			\$ 0.077
Westerly		,,,-19		\$ 0.077
				\$ 0.01 1
Parkway Overrun	8.			0.92%





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(C) Rates (cont'd)

Unauthorized Overrun (4)

Authorized Overrun rates payable on all quantities up to 2% in excess of Union's contractual obligation.

The Unauthorized Overrun rate during the November 1 to April 15 period will be \$50/GJ for all usage on any day in excess of 102% of Union's contractual obligation. The Unauthorized Overrun rate during the April 16 to October 31 period will be \$9.373/GJ for all usage on any day in excess of 102% of Union's contractual obligation.

Overrun of Maximum Storage Balance (the Excess Storage Balance)

The rate payable shall be \$0.937/GJ on the Excess Storage Balance during the period of August 1 through to and including December 15. The rate payable shall be \$0.094/GJ on the Excess Storage Balance during the period of December 16 through to and including July 31.

For any Extension Period, the rate payable shall be \$0.056/GJ times the quantity in the Excess Storage Balance as of the date of such extension.

Union, during any Extension Period, may upon forty-eight (48) hours verbal notice to Shipper (to be followed in writing) take possession of Shipper's gas in storage (which shall be immediately forfeited to Union without further recourse).

These rates will be charged in addition to the normal injection and withdrawal charges.

Drafted Storage Balance

The rate payable shall be \$0.937/GJ on the Drafted Storage Balance during the period of February 1 through to and including April 30.

The rate payable shall be \$0.094/GJ on the Drafted Storage Balance during the period of May 1 through to and including January 31.

For any Extension Period, the rate payable shall be \$0.056/GJ times the quantity in the Drafted Storage Balance as of the date of such extension.

Union, during any Extension Period, may upon forty-eight (48) hours verbal notice to Shipper (to be followed in writing), replace the outstanding gas at Shipper's expense (which will include all costs related to replacing such gas, plus a charge equal to 25% of the incremental cost of the gas purchased for each unit so replaced).

These rates will be charged in addition to the normal injection and withdrawal charges.

Nomination Variances

Where Union and the Shipper have entered into a Limited Balancing Agreement ("LBA"), the rate for unauthorized parking or drafting which results from nomination variances shall equal the "Balancing Fee" rate as described under Article XXII of TransCanada PipeLines Transportation Tariff.

Notes for Section (C) Rates:

- (1) Deliverability inventory being defined as 20% of storage space.
- (2) Dehydration commodity charges are applicable to all quantities withdrawn from storage on any day that the dehydrator unit is in operation.
- (3) The annual transportation commodity charge is calculated by application of the YCRR Formula as per Section (D).

The annual transportation fuel required is calculated by application of the YCR Formula, as per Section (D).



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Transportation commodity charges or fuel quantity do not apply to TCPL for quantities delivered directly by TCPL to Union, or to Union on behalf of Union's storage and transportation Shippers. Quantities delivered directly are defined as those quantities transported through TCPL's Northern Ontario pipeline systems.

- (4) For purposes of applying the YCRR Formula or YCR Formula (Section (D)) to transportation overrun quantities, the transportation commodity revenue will be deemed to be equal to the commodity charge of the applicable service as detailed in Section (B).
- (5) Service unavailable after March 31, 2004.

(D) Transportation Commodity

The annual fuel charge in kind or in dollars for transportation service in any contract year shall be equal to the sum of the application of the following equation applied monthly for the 12 months April through March (The "YCRR" or "YCR" Formula). An appropriate adjustment in the fuel charges will be made in May for the previous 12 months ending March 31st to obtain the annual fuel charges as calculated using the applicable "YCRR" or "YCR" Formula. The YCCR and YCR adjustments must be paid/remitted to/from Shippers at Dawn within one billing cycle after invoicing.

YCR =
$$\sum_{1}^{5} [(0.003505 \times (QT1 + QT2 + QT3)) + (DSFx(QT1 + QT3)) + F_{sr}]$$
 For May 1 to Sept. 30 plus
$$\sum_{1}^{12} [(0.003505 \times (QT1 + QT2 + Q3)) + (DWFxQT1) + F_{wr}]$$
 For Oct. 1 to Apr. 30
$$YCRR = \sum_{1}^{5} [(0.003505 \times (QT1 + QT2 + QT3)) + (DSFx(QT1 + QT3)) + F_{sr}]xR$$
 For May 1 to Sept. 30 plus
$$\sum_{1}^{12} [(0.003505 \times (QT1 + QT2 + Q3)) + (DWFxQT1) + F_{wr}]xR$$
 For Oct. 1 to Apr.30 where: DSF = 0.00000 for Dawn fuel requirements

in which:

YCR Yearly Commodity Required

The sum of 12 separate monthly calculations of Commodity Quantities required for the period from April through March.

YCRR Yearly Commodity Revenue Required

DWF = 0.0020 for Dawn fuel requirements

The sum of 12 separate monthly calculations of Commodity Revenue required for the period April through March.

- Monthly quantities in GJ transported easterly hereunder received at Dawn at not less than 4 850 kPa but less than 5 860 kPa (compression required at Dawn).
- QT2 Monthly quantities in GJ transported easterly hereunder which may be required to be delivered to Dawn at not less than 5 860 kPa (no compression required at Dawn).
- QT3 Monthly quantities in GJ transported westerly hereunder received at the Parkway (Oakville) Delivery Point.



Effective 2004-01-01 Rate M12 Page 5 of 6

(D) Transportation Commodity (cont'd)

F_{wr} The individual Shipper's monthly share of compressor fuel used in GJ which was required at Union's Lobo, Bright, Trafalgar and Parkway Compressor Stations ("Lobo", "Bright", "Trafalgar" and "Parkway") to transport the same Shipper's QT1 and QT2 monthly quantities easterly.

Lobo, Bright, Trafalgar and Parkway compressor fuel required by each Shipper will be calculated each month.

The monthly Lobo and Bright compressor fuel will be allocated to each Shipper in the same proportion as the Shipper's monthly quantities transported is to the monthly transported quantity for all users including Union.

The monthly Parkway and Trafalgar compressor fuel used will be allocated to each Shipper in the same proportion as the monthly quantity transported to Parkway (TCPL) for each user is to the total monthly quantity transported for all users including Union.

F_{st} The individual Shipper's monthly share of compressor fuel used in GJ which was required at Union's Lobo, Bright, Trafalgar and Parkway compressor stations to transport the same Shipper's quantity on the Trafalgar system.

Lobo, Bright, Trafalgar and Parkway compressor fuel required by each Shipper will be calculated each month.

R Union's weighted average cost of gas in \$/GJ.

Notes

In the case of Easterly flow, direct deliveries by TCPL at Parkway to Union or on behalf of Union to Union's Storage and Transportation Shippers will be allocated to supply Union's markets on the Dawn-Oakville/Parkway facilities starting at Parkway and proceeding westerly to successive laterals until exhausted.

(E) Provision for Compressor Fuel

For a Shipper that has elected to provide its own compressor fuel.

Transportation Fuel

On a daily basis, the Shipper will provide Union at the delivery point and delivery pressure as specified in the contract, a quantity (the "Transportation Fuel Quantity") representing the Shipper's share of compressor fuel and unaccounted for gas for transportation service on Union's system.

The Transportation Fuel Quantity will be determined on a daily basis, as follows:

Transportation Fuel Quantity = Transportation Quantity x Transportation Fuel Ratio.

In the event that the actual quantity of fuel supplied by the Shipper was different from the actual fuel quantity as calculated using the YCR formula, an adjustment will be made in May for the previous 12 months ending March 31st.

Storage Fuel

On a monthly basis, the Shipper will provide Union at Dawn with the Storage Fuel Quantity representing the Shipper's share of compressor fuel and unaccounted for gas on Union's system for storage service.





Effective 2004-01-01 Rate M12 Page 6 of 6

(E) Provision for Compressor Fuel (cont'd)

The Storage Fuel Quantity will be determined on a monthly basis, as follows:

Storage Fuel Quantity = (Injection + Withdrawal Quantities) x Storage Fuel Ratio.

Nominations

The Shipper will be required to nominate its Transportation Fuel Quantity and its Storage Fuel Quantity in addition to its normal nominations for storage and transportation services. Nominations shall be in accordance with the attached Schedule "B".

(F) Terms of Service

The General Terms & Conditions applicable to this rate schedule shall be in accordance with the attached Schedule "A".

(G) Nominations

Nominations under this rate schedule shall be in accordance with the attached Schedule "B",

Effective

January 1, 2004

O.E.B. ORDER # RP-2003-0063

Chatham, Ontario

Supersedes EB-2004-0210 Rate Schedule effective April 1, 2004.



Page 2 of 2 Handbook 38

REPLACING BATE BYTECTIVE:

October 1, 2005

EB-2005-0524

Jnnuary 1, 2006

MPLENERTATION DATE: January 1, 2006 CENBRIDGE

RATE NUMBER 315

GAS STORAGE SERVICE

To any Applicant who isas enlered into a Companion Service Contract with the Company for service under Rate 125, Rele 2010 or Rate 2025. The Applicant for service internation must enter into a Service Contract with the Company for a maximum darly volume of ratural gas which the Company must enter incaive from strategy to inarisportation to a single Terminal Location specified in the Companion Service Contract. The Service Contract shall also specify a minimum annual capacity of storage space of sixty (60) times the Storage Demand.

CHARACTER OF SERVICE:

Service shall be continuous (film) except for events as specified in the Service Contract including force majeure. The intramum daily volume of natural gas that the Company must receive for injection to stonege shall be sixty percent (60%) of the Storage Operand.

The following rates and charges shall apply in respect to all gas received by the Coimpany from and delivered by the Company to storage on behalf of the Applicant.

donthly Demand and Commodity Charges:

Demand Charge
Por cubic metre of Storage Demand
Per cubic metre of Space Demand

Commodity Chargo
Per cubic make of gas delivered
to i received from storage

FUEL RATIO REQUIREMENT:

0.4514 cim

The Fuel Ratio per unit of gas injected and withdrawn is 0.45%.

MINIMUM BILL:

See Terms and Conditions of Service,

TERMS AND CONDITIONS OF SERVICE:

- The provisions of PABTS III and IV of the Company standbook of RATES AND DISTRIBUTION SERVICES
 apply, as contemplated therein, to service under this Rate Schedulo.
- A Nominated Volume will not be accepted for withdrawal if greater them:
- (i) the Storage Demand (ii) the balance of gas in storage on the day of a withdrawal nomination.
- A Nommated Volume will not be accepted for triection if greater than:
- sixty percont (60%) of the Storage Demand The difference between the Space Demand and the balance of gas in storage on the day of an injection EĒ

CLOCKLANK CAND.	HPLEWERTATION DATE	MAHO ORDER	REPLACE BATE BPENCENE:	
January 1, 2006	January 1, 2005	EB-2005-0524	October 1, 2005	Han



PATE NUMBER 315

- The adual volumes of pas received from and delivered to storage on a day shall be determined pursuent to the Terms and Conditions of Service of the Companion Hare Schodule applicable to the Companion Service Contract
 - The Company shall keep a record of the net volume of gas owing to the Applicant.
- If the Service Contract is renewed the Applicant may elect to carry any balance of gas in storage at the end of the current Service Contract, provided that such carry forward quantly shall not exceed the Space Demand under the reflewal Service Contract.
 - The Applicant shall give notice in writing at least ninely (30); days in advance of the end of the contract year that if will not be reserving the Service Connect and nisuch notice shall anywe the Company of its plans to dispose of any belience of gas in storage as of the date of giving such notice. Any balance not withdrawn by the end of the contract year shall be forfeited to, and be the property of, the Company.

EFFECTIVE DATE:

To apply to bills rendered for gas service provided bn and alter Januiary 1, 2005. This rate schedule is effective January 1, 2006 and replaces the identically numbered rate schedule that specifies, as the Effective Date. October 1, 2005 and that indicates, as the Board Order. ES-2005-0461.

325 TRANSMISSION, COMPRESSION AND POOL STORAGE SERVICE

APPLICABILITY AND CHARACTER OF SERVICE:

Service under this rare schedule shall anoy to the Transmission and Continuession Service Agreement with Union Gas Limited dated April 1, 1999, and the Transmission, Compression and Pool Stotage Service Agreement with Centra Gaud Ontario finc, dated May 30, 1999. Service shall be provided subject to the terms and conditions specified in the Service Agreement.

14 70.

The Customer shall pay for service rendered in each month in a contract year, the sum of the following applicable charges:

		18
		(6)
i		
,		
}		

Transmission & Pool Compression Storage \$109m² \$109m²	0.7560 0.2121 Volume 16.0572 19.4444	2.3240
Demand Charce for:	Annual Turnover Volume Maximum Dally Withdrawal V	Sammodity Charge

FUEL RATIO REQUIREMENT:

Fuel Ratio applicable to per unit of gas tripated and withdrawn is 0.35%.

WINIMUM BILL:

The minimum monthly bit shall be the sum of the applicable Demand Charges as stated in Rate Section above.

EXCESS VOLUME AND OVERRUN RATES:

In addition to the charges provided for in the Rate Section, abovo, the Customer shall pay, for services rundered, the sum of the following applicable charges as they are incurred:

TERMS AND CONDITIONS OF SERVICE:

Excess Volumes will be billed at the total of the Excess Volume Charges as stated above.

Transmission and Compressibe, and Pool Storage Overrun Service will be billed according to the following:

(a) At no end of each month, in a confract year, the Company will make a determination, for each day in the

- (i) The offishence between the volume of gas actually delivered, exclusive of the fuel volume, for Customer's excurs into the Company System, at the Point of Delivery and the Customer's Maximum Daily injection Volume, and
- (ii) the difference between the volume of gas actually delivered, exclusive of the fuel volume, for Customer's excount from the Company System, at the Point of Defivery, and the Customer's Maximum Calify Withdrawal Volume.

lamina			Y 2000 Y
CALIDARY 1. CUCO CARIDARY 1. COUG	EB-2005-0524	Ctober 1, 2005	Handhook 40

HAVE NUMBER 325

Excess Volume

(b) For each day of the month, where any such differences exceed 2.0 percent of the Customer's relevant Maximum Daily Injection Volume and/or Maximum Daily Withdrawal Volume, the Customer shall pay a charge equal to the relevant Overrun tales, as stated above, for such differences.

BILLING ADJUSTMENT:

- 1. Injection delicitiony if at the beginning of any Withdrawal Period the Customer's Storage Balance is less than the Customer's Annual Turnover Voltune, due soldily to the Company's inability to inject gas for any season other flam the faut of the Customer, then the applicable Demand Clarge for Annual Turnover Voltune for the contract year beginning the prior April 1 as stated in Retto Section as applicables, shall be arquisted by multiplying each by a facility, the numerator of which that the beginners as applicables, shall be arquisted by multiplying each by a facility, the numerator of which that the the beginners storage Gas Balance as of the baginning of such Withdrawal Pariod and the defortination shall be the Customer's Annual Turnover Volume as it may have begon established for the fren current year.
- 2. Withdrawsi befolency If in any month in a contract year for any reason other than the fault of the Customer, the Company fails or is unable to deliver during any one or more days, the amount of gas which the Customer has nominiated, by to the materium definers which the Contract belly Withdrawal Volume in the contract year clustomer, then the Demand Change for maximum Contract Deliv Withdrawal Volume in the contract year charves payable for the month in which such failure occurs, as statied in falls Section shows. The Demand Change for maximum for the contract year contract year for the incent will be divided by any of deficiency to be calculated as follows: The Demand Change for maximum for factors and the deficience between the nominated of maximum for such day and the delivered volume for such ode, and the denominator being the Customer's maximum Contract Deal Withdrawal Volume for such contract year (to be delivered be also for the contract paid withdrawal Volume for such contract year.)

TERMS AND EXPRESSIONS:

In the application of this Rate Schedule to each of the Agrismients, terms and expressions used in this Rare Schedule have the meanings ascribed thereto in such Agreement.

TIVE DATE

To apply to bills rendered for gas delivered on and atter January 1, 2026. This rate schodule is effective January 1, 2006 and replaces the identically numbered rate schodule that specifies, as the Effective Data. Delaber 1, 2005 and that indicates, as the Board Order, ES-2005-0461.

Handbook 41	October 1, 2005	EB-2005-0524	January 1, 2006	January 1, 2006
Page 2 of 2	NEW ALINE HATE EI-ECTIVE	490000		

ENBRIDGE

N -

TRANSMISSION AND COMPHESSION AND POOL STORAGE 330

APPLICABILITY:

To any Applicant who enters into a Storage Contract with the Company for defivery by the Applicant to the Company and 16-defivery by the Company to the Applicant of a volume of neutral gas owned by the Applicant.

CHARACTER OF SERVICES

Service under this rare is for Full Cycle or Shori Cycle storage service; with tirm or interruptible bijection and withstrewal service, all as may be available from time to time.

The following rates and charges shall apply in respect of all gas received by the Company from and re-dailvared by the Company to the Applicant. RATE:

Monthly Demand Charge per unit of	Firm \$110°m²	rull Cyclo Interruptible SYBAns	Short Cycle
Анлия тыпочег уршпе: Мілітыля Махітуля	0.3881	0.3861	• (•
Monthly Demand Charge per unit of Contracted Daily Withdrawal: Minimum Maximum	35.5016 177.5080	28.4013 142.0064	8 5
Commodity Charge per unit of gas delivered to received from storage: Minimum	3.2670	3.2870	1.3723
Metromum	16.4350	16.4350	46.5644

FUEL RATTO REQUIREMENT:

The Fuel Ratio per unit of gas injected and withdrawn is 0,35%.

TRANSACTING IN ENERGY:

The conversion factor is 37.74M-lind, which corresponds to Union Gais System Wide Average Hoating Value, as per Its Board's RP-1899-0017 Decision with Reasons.

MINIMUM BILL:

The minimum monthly bill shall be the sum of the applicable Demand Charges.

ENBRIDGE PERVICING TATE BIFECTING: October 1, 2005

January 1, 2006

January 1, 2006

OVERRUN RATES:

The units rates stated below will apply to overcun volumes. The provision of Authorized Overcun service will be at the Company's sole discretion.

	3	Full Cycle	Short Cycle
	Firm \$'10 ⁴ m ³	Interruptible \$10hm³	S/10/m²
Authorized Overrun Annual Tumpover Volume Negotleble, not to exceed:	46.5644	46.5644	45.5544
Authorized Overrun Daily Injection/Withdrawai Negotlable, not to exceed:	45.5644	46.5644	46.5644
Unauthorized Overrun Anautal Turnover Volume Excess Storage Balance			
September 1 - November 30	465,6439	465.6439	465,6439
December 1 - October 31	46,5544	46.5644	46.5644

TERMS AND CONDITIONS OF SERVICE:

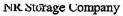
- 1. All Services are available at the Company's sole discretion.
- Delivory and Ro-delivery of the volume of natural gas shall be fromto the facilities of Union Gas Limited and f or TransConada Pipellines Limited in Dawn Township andfor Nagura Gas Transmession Lindled in Mooce Township.
 - The Customers daily injections or withdrawals will be adjusted to provide for the fuel raito stated in the Fuel Raito Section. In the event that a Short Cycle service does not require fuel for injection and/or withdrawal, the fuel finite commodity charge may be warved.

EFFECTIVE DATE:

To apply to bills randered for gas delivered on and after January 1, 2006. This rate schedule is offective January 1, 2006 and follocetive bate. October 1, 2005 and that indicates, as the Effective Date. October 1, 2005 and that indicates, as the Board Order, EB-2005-0461.

REPLACED BATE BEALTIME October 1, 2005 EB-2005-0524 UNESENTATEMBETE January 1, 2006 January 1, 2006

ENBRIDGE





ANR Storage Company FERC Gas Tariff Original Volume 1

Ninth Revised Sheet No. 5: Effective Supercedes Eighth Revised Sheet No. 5

STATEMENT OF RATES FOR STORAGE OF NATURAL GAS

RATE	SCHEDULE FS		Maximum	Minimum
		Ra	te per Dth	Rate per Dth
1.	Reservation Rate	0120	3.	Jack
	a. Deliverability - Monthly	\$	2.39997 ₩ №	\$ 0
	b. Capacity - Monthly	\$	0.02449 Ca	bacity \$ 0
游	C. Deliverability - Daily (3) (4) \$	0.07890	/ \$ 0
	D. Capacity - Daily (3)(4)	Ş	0.00081	\$ 0
2.	Injection/Withdrawal			î
	Commodity Rate	Ċ	n noena ilie	1 in C 0 00001
(4)		Y	0.0000± 1W).	111-11-1
3.	Overrun Service Rate (1)	\$	0.08345	Tion \$ 0.00804
				4
			es established	
	SCHEDULE IS		1axim um	·
		Rat	e per Dth	WARRACTER STREET, STORY OF STATES OF
1	Commodity Rate		0 00245	4 0 00004
() () () () () () () () () ()	Commodity Rate	P	0.08345	\$ 0.00804
SURCH	ARGE APPLICABLE TO			
	D IS SERVICE (2)	Ма	ximum	Minimum
		Rate	per Dth	
	a -			
1.	ACA	\$	0.0018	\$ 0.0018
Date	Schedules FS and IS	63		
nace	ponedates to and To			
Selle	r's Injection Use		1 2 0	
Selle	r's Withdrawal Use		1.3 % 0.2 %	
JULIE.	* p utchoramat obe		0.2 6	

⁽¹⁾ See Section 4.2 of Rate Schedule FS for definition.

⁽²⁾ See Section 5 of Rate Schedules FS and IS for applicability.
(3) Rates applicable for Volumetric Rate Capacity Release
(4) See Section 1.27 of the General Terms and Conditions

nttp://www.gasnom.com/ip/anr/viewtaritfpage.cfm

TAIN SIGNARE COMPANY

Issued by: Byron S. Wright, Vice President

Issue date: 08/31/05

Effective date: 10/01/05

M.P.S.C. No. 2 - Gas Washington 10 Storage Corporation

Original Sheet No. 31

SECTION 31 WASHINGTON 10 STORAGE CORPORATION STATEMENT OF CURRENTLY EFFECTIVE RATES

	Maximum Rate Per Dth	Minimum Rate Per Dth
Firm Storage Service S-1 ¹ Deliverability Rate per Month Capacity Rate per Month Injection Rate Withdrawal Rate	\$2.4788 de 14era bilii \$0.0238 \$0.0000 } \$0.0000	\$0.0000 \$0.0000 \$0.0000 \$0.0000
Firm Storage Service S-2 Price Caps ¹ Deliverability Capacity Injection Withdrawal	\$5.0000 \$0.0833 \$0.0000 \$0.0000	\$0.0000 \$0.0000 \$0.0000 \$0.0000
Interruptible Storage Service I-1 ¹ Usage Rate	\$0.1123	\$0.0000
Interruptible Storage Service I-2 Price Caps ¹ Usage Rate	\$1.6000	\$0.0000
Authorized Overrun Service ¹ Usage Rate	\$0.1123	\$0.0000
Parking and Loaning Service PALS-1 ¹ Usage Rate	\$0.1123	\$0.0000
Parking and Loaning Service PALS-2 Price Caps ¹ Usage Rate	\$1.6000	\$0.0000
Transportation Service T-1	\$0.0250	\$0.0000
Wheeling Service Usage Rate	\$0.0250	\$0.0000
Title Transfer Service Transaction Fee	\$0.0000	\$0.0000
Unauthorized Overrun Charge	\$25.0000	\$25.0000

Michigan Public Service
Commission

December 21, 2004

¹ The T-1 Transportation Service Rate is a component of this Service's cost-based rate.

monai Fuel Gas Company



Building on 100 Years...Delivering Energy



Firm Storage Service (FSS)

National Fuel

- Unbundled, open access storage is available to all qualified shippers on a firm basis.
- This service requires <u>FST</u>, <u>IT</u>, <u>FT</u>, or <u>EFT</u> transportation.
- Customized injection and withdrawal cycles is available.

apacity may be released to qualified bidders on a prearranged basis or by sting for bidding.

Rates

urface operating allowance is charged on injection and withdrawal. It is service is eligible for transfers of storage balance service.

Firm Storage Services (FSS)

Agreement	Min	ě	Max
Demand	\$0.0000		\$2.1556
Capacity	\$0.0000		\$0.0432
njection	\$0.0000		\$0.0139
Vithdrawal	\$0.0000		\$0.0139

doliverability

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nttp://www.nationalituelgas.com/supply/market/ServicesAndRates

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Interruptible Storage Service (155)

National Fuel SUPPLY CORPORATION

 This unbundled open access storage service is performed on an interruptible basis when and where capacity is available. It requires <u>EFT_FT</u> or <u>IT</u> transportation.

 This is ideal for market hedging during periods in which excess storage is available (inject lower priced gas, withdraw as prices increase).

FGSC may require withdrawal of gas with 30 days notice.

iel retention on transportation and surface operating allowance is charged on a figure of the first of the first of the first operation and withdrawal.

bjection charge, surface operating allowance and fuel retention on transportation discounted on a case by case basis.

his service is eligible for transfers of storage balance service.

Interruptible Storage Service (ISS)

Rates

ISS

Min

Max

Injection

\$0.0000

\$1.0635

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APPENDIX A

[Revised October 15, 2004]

Gas Storage Tariff Rates

NGOTRANSMISSION \$1.6373 \$0.0320 \$0.0726 \$0.36 1.5 5.1 OH Depleted Reservoir NORTHERN NATURAL GAS CO \$1.5874 \$0.3854 \$0.0225 \$0.75 55.3 206.0 TX Depleted Reservoir and Aquifice PANHANDLE \$2.9700 \$0.4246 \$0.0385 \$0.71 74.0 TX QUESTAR \$2.8533 \$0.0238 \$0.0105 \$0.63 53.0 139.5 UT Aquifier SOUTHWEST GAS STORAGE \$2.8496 \$0.3419 \$0.0015 \$0.91 57.1 165.5 TX Depleted Reservoir and Aquifier		•							4334 K	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
BLUE LAKE CASSTORAGE \$1.8027 \$0.0258 \$0.0990 \$0.588 42.0 49.0 MI Depleted Reservoir COLTIMBIA GAS TRANSMISSION) \$1.5080 \$0.0290 \$0.0153 \$0.69 243.1 669.6 WV Depleted Reservoir DOMINION \$1.7984 \$0.0145 \$0.0154 \$0.566 382.2 755.8 WV Depleted Reservoir MICHIGAN GAS STORAGE \$0.8357 \$0.0136 \$0.0190 \$0.21 34.0 109.5 MI Depleted Reservoir MICHIGAN GAS STORAGE \$4.5272 \$0.0463 \$0.0056 \$0.96 0.9 4.5 IL Aquifier NATIONAL FUEL \$2.1556 \$0.0432 \$0.0139 \$0.47 149.3 317.9 NY Depleted Reservoir NATURAL GAS PIPELINE O \$1.2900 \$0.2881 \$0.0197 \$0.59 205.3 603.3 TX Depleted Reservoir and Aquific NGO TRANSMISSION \$1.6373 \$0.0320 \$0.0726 \$0.36 1.5 5.1 OH Depleted Reservoir NORTHERN NATURAL GAS CO \$1.5874 \$0.3854 \$0.0225 \$0.75 55.3 206.0 TX Depleted Reservoir and Aquific PANHANDLE \$2.9700 \$0.4246 \$0.0385 \$0.71 74.0 TX QUESTAR \$2.8533 \$0.0238 \$0.0105 \$0.63 53.0 139.5 UT Aquifier SOUTHWEST GAS STORAGE \$2.8496 \$0.3419 \$0.0015 \$0.63 53.0 139.5 UT Aquifier SOUTHWEST GAS STORAGE \$2.8496 \$0.3419 \$0.0015 \$0.68 86.2 176.2 KY Depleted Reservoir and Aquific TRANSCO \$2.7208 \$0.0152 \$0.0322 \$0.78 182.7 312.9 TX Depleted Reservoir and Aquific TRANSCO \$2.7208 \$0.0152 \$0.0322 \$0.78 182.7 312.9 TX Depleted Reservoir and Salt Cavern TRUINKLINE GAS COMPANY \$3.5985 \$0.5767 \$0.0005 \$0.77 12.9 42.8 TX Depleted Reservoir	Pipeline Company			Seasonal	Withdrawal Commodity	100% Load Factor	Capacity (Bcf)	Capacity		Facility Type
COLIMBIA GAS TRANSMISSION \$1.5080 \$0.0290 \$0.0153 \$0.69 243.1 669.6 WV Depleted Reservoir	ANR	\$	2.3999	\$0.2449	\$0.0084	\$0.74	181.3	333.5	TX	Depleted Reservoir
DOMINION \$1.7984	BLUE LAKE CASSTORAGE	\$	1.8027	\$0.0258	\$0.0990	\$0.58	42.0	49.0	MI	Depleted Reservoir
MICHIGAN GAS STORAGE \$0.8357 \$0.0136 \$0.0190 \$0.21 34.0 109.5 MI Depleted Reservoir MIDWEST GAS STORAGE \$4.5272 \$0.0463 \$0.0056 \$0.96 0.9 4.5 IL Aquifier NATIONAL FUEL \$2.1556 \$0.0432 \$0.0139 \$0.47 149.3 317.9 NY Depleted Reservoir NATURAL GAS PIPELINE O \$1.2900 \$0.2881 \$0.0197 \$0.59 205.3 603.3 TX Depleted Reservoir and Aquific NGO TRANSMISSION \$1.6373 \$0.0320 \$0.0726 \$0.36 1.5 5.1 OH Depleted Reservoir NORTHERN NATURAL GAS CO \$1.5874 \$0.3854 \$0.0225 \$0.75 55.3 206.0 TX Depleted Reservoir and Aquific PANHANDLE \$2.9700 \$0.4246 \$0.0385 \$0.71 74.0 TX QUIESTAR \$2.8533 \$0.0238 \$0.0105 \$0.63 53.0 139.5 UT Aquifier SOUTHWEST GAS STORAGE \$2.8496 \$0.3419 \$0.0015 \$0.91 57.1 165.5 TX Depleted Reservoir and Aquific TEXAS GAS TRANSMISSION \$1.4318 \$0.0304 \$0.0166 \$0.68 86.2 176.2 KY Depleted Reservoir and Aquific TRANSCO \$2.7208 \$0.0152 \$0.0322 \$0.78 182.7 312.9 TX Depleted Reservoir and Aquific Salt Cavern TRUNKLINE GAS COMPANY \$3.5985 \$0.5767 \$0.0005 \$0.77 12.9 42.8 TX Depleted Reservoir		ISSION) \$	1.5080	\$0.0290	\$0.0153	\$0.69	243.1	669.6	WV	Depleted Reservoir
MIDWEST GAS STORAGE			1.7984	\$0.0145	\$0.0154	\$0.56	382.2	755.8	WV	Depleted Reservoir
NATIONAL FUEL \$2.1556 \$0.0432 \$0.0139 \$0.47 149.3 317.9 NY Depleted Reservoir NATURAL GAS PIPELINE \$1.2900 \$0.2881 \$0.0197 \$0.59 205.3 603.3 TX Depleted Reservoir and Aquific NGO TRANSMISSION \$1.6373 \$0.0320 \$0.0726 \$0.36 1.5 5.1 OH Depleted Reservoir NORTHERN NATURAL GAS CO \$1.5874 \$0.3854 \$0.0225 \$0.75 55.3 206.0 TX Depleted Reservoir and Aquific PANHANDLE \$2.9700 \$0.4246 \$0.0385 \$0.71 74.0 TX QUIESTAR \$2.8533 \$0.0238 \$0.0105 \$0.63 53.0 139.5 UIT Aquifier SOUTHWEST GAS STORAGE \$2.8496 \$0.3419 \$0.0015 \$0.91 57.1 165.5 TX Depleted Reservoir and Aquifier TEXAS GAS TRANSMISSION \$1.4318 \$0.0304 \$0.0166 \$0.68 86.2 176.2 KY Depleted Reservoir and Salt Cavern TRUINKLINE GAS COMP		<u> </u>	0.8357	\$0.0136	\$0.0190	\$0.21	34.0	109.5	MI	Depleted Reservoir
NATURAL GAS PIPELINE O \$1.2900 \$0.2881 \$0.0197 \$0.59 205.3 603.3 TX Depleted Reservoir and Aquificents NGO TRANSMISSION \$1.6373 \$0.0320 \$0.0726 \$0.36 1.5 5.1 OH Depleted Reservoir NORTHERN NATURAL GAS CO \$1.5874 \$0.3854 \$0.0225 \$0.75 55.3 206.0 TX Depleted Reservoir and Aquificents PANHANDLE \$2.9700 \$0.4246 \$0.0385 \$0.71 74.0 TX QUESTAR \$2.8533 \$0.0238 \$0.0105 \$0.63 53.0 139.5 UT Aquifier SOUTHWEST GAS STORAGE \$2.8496 \$0.3419 \$0.0015 \$0.91 57.1 165.5 TX Depleted Reservoir and Aquifier TEXAS GAS TRANSMISSION \$1.4318 \$0.0304 \$0.0166 \$0.68 86.2 176.2 KY Depleted Reservoir and Aquifier TRANSCO \$2.7208 \$0.0152 \$0.0322 \$0.78 182.7 312.9 TX Depleted Reservoir and Salt Cavern TRUN		> \$	4.5272	\$0.0463	\$0. 0056	\$0.96	0.9	4.5	L	Aquifier
NGOTRANSMISSION \$1.6373 \$0.0320 \$0.0726 \$0.36 1.5 5.1 OH Depleted Reservoir NORTHERN NATURAL GAS CO \$1.5874 \$0.3854 \$0.0225 \$0.75 55.3 206.0 TX Depleted Reservoir and Aquifice PANHANDLE \$2.9700 \$0.4246 \$0.0385 \$0.71 74.0 TX QUESTAR \$2.8533 \$0.0238 \$0.0105 \$0.63 53.0 139.5 UT Aquifier SOUTHWEST GAS STORAGE \$2.8496 \$0.3419 \$0.0015 \$0.91 57.1 165.5 TX Depleted Reservoir and Aquifier TEXAS GAS TRANSMISSION \$1.4318 \$0.0304 \$0.0166 \$0.68 86.2 176.2 KY Depleted Reservoir and Aquifier TRANSCO \$2.7208 \$0.0152 \$0.0322 \$0.78 182.7 312.9 TX Depleted Reservoir and Salt Cavern TRUNKLINE GAS COMPANY \$3.5985 \$0.5767 \$0.0005 \$0.77 12.9 42.8 TX Depleted Reservoir			2.1556	\$0.0432	\$0.0139	\$0.47	149.3	317.9	NY	Depleted Reservoir
NORTHERN NATURAL GAS CO \$1.5874 \$0.3854 \$0.0225 \$0.75 55.3 206.0 TX Depleted Reservoir and Aquifice PANHANDLE \$2.9700 \$0.4246 \$0.0385 \$0.71 74.0 TX QUESTAR \$2.8533 \$0.0238 \$0.0105 \$0.63 53.0 139.5 UT Aquifier SOUTHWEST GAS STORAGE \$2.8496 \$0.3419 \$0.0015 \$0.91 57.1 165.5 TX Depleted Reservoir and Aquifier TEXAS GAS TRANSMISSION \$1.4318 \$0.0304 \$0.0166 \$0.68 86.2 176.2 KY Depleted Reservoir and Aquifier TRANSCO \$2.7208 \$0.0152 \$0.0322 \$0.78 182.7 312.9 TX Depleted Reservoir and Salt Cavern TRUNKLINE GAS COMPANY \$3.5985 \$0.5767 \$0.0005 \$0.77 12.9 42.8 TX Depleted Reservoir		O \$	1.2900	\$0.2881	\$0.0197	\$0.59	205.3	603.3	TX	Depleted Reservoir and Aquifier
PANHANDLE \$2.9700 \$0.4246 \$0.0385 \$0.71 74.0 TX QUESTAR \$2.8533 \$0.0238 \$0.0105 \$0.63 53.0 139.5 UT Aquifier SOUTHWEST GAS STORAGE \$2.8496 \$0.3419 \$0.0015 \$0.91 57.1 165.5 TX Depleted Reservoir and Aquifier TEXAS GAS TRANSMISSION \$1.4318 \$0.0304 \$0.0166 \$0.68 86.2 176.2 KY Depleted Reservoir and Aquifier TRANSCO \$2.7208 \$0.0152 \$0.0322 \$0.78 182.7 312.9 TX Depleted Reservoir and Salt Cavern TRUNKLINE GAS COMPANY \$3.5985 \$0.5767 \$0.0005 \$0.77 12.9 42.8 TX Depleted Reservoir	NGOTRANSMISSION	\$	1.6373	\$0.0320	\$0.0726	\$0.36	1.5	5.1	OH	Depleted Reservoir
QUESTAR \$2.8533 \$0.0238 \$0.0105 \$0.63 53.0 139.5 UT Aquifier SOUTHWEST GAS STORAGE \$2.8496 \$0.3419 \$0.0015 \$0.91 57.1 165.5 TX Depleted Reservoir and Aquifier TEXAS GAS TRANSMISSION \$1.4318 \$0.0304 \$0.0166 \$0.68 86.2 176.2 KY Depleted Reservoir and Aquifier TRANSCO \$2.7208 \$0.0152 \$0.0322 \$0.78 182.7 312.9 TX Depleted Reservoir and Salt Cavern TRUNKLINE GAS COMPANY \$3.5985 \$0.5767 \$0.0005 \$0.77 12.9 42.8 TX Depleted Reservoir	NORTHERN NATURAL GA	SCO \$	1.5874	\$0.3854	\$0.0225	\$0.75	55.3	206.0	TX	Depleted Reservoir and Aquifier
SOUTHWEST GAS STORAGE \$2.8496 \$0.3419 \$0.0015 \$0.91 57.1 165.5 TX Depleted Reservoir and Aquifice TEXAS GAS TRANSMISSION \$1.4318 \$0.0304 \$0.0166 \$0.68 86.2 176.2 KY Depleted Reservoir and Aquifice TRANSCO \$2.7208 \$0.0152 \$0.0322 \$0.78 182.7 312.9 TX Depleted Reservoir and Salt Cavern TRUNKLINE GAS COMPANY \$3.5985 \$0.5767 \$0.0005 \$0.77 12.9 42.8 TX Depleted Reservoir		\$:	2.9700	\$0.4246	\$0.0385	\$0.71	74.0	10900 - 19000.e	TX	
TEXAS GAS TRANSMISSION \$1.4318 \$0.0304 \$0.0166 \$0.68 86.2 176.2 KY Depleted Reservoir and Aquified TRANSCO \$2.7208 \$0.0152 \$0.0322 \$0.78 182.7 312.9 TX Depleted Reservoir and Salt Cavern TRUNKLINE GAS COMPANY \$3.5985 \$0.5767 \$0.0005 \$0.77 12.9 42.8 TX Depleted Reservoir	- 		2.8533	\$0.0238	\$0.0105	\$0.63	53.0	139.5	UT	Aquifier
TRANSCO \$2.7208 \$0.0152 \$0.0322 \$0.78 182.7 312.9 TX Depleted Reservoir and Salt Cavern TRUNKLINE GAS COMPANY \$3.5985 \$0.5767 \$0.0005 \$0.77 12.9 42.8 TX Depleted Reservoir			2.8496	\$0.3419	\$0.0015	\$0.91	57.1	165.5	TX	Depleted Reservoir and Aquifier
Salt Cavern TRUNKLINE GAS COMPANY \$3.5985 \$0.5767 \$0.0005 \$0.77 12.9 42.8 TX Depleted Reservoir	TEXAS GAS TRANSMISSIO	N) \$	1.4318	\$0.0304	\$0.0166	\$0.68	86.2	176.2	KY	Depleted Reservoir and Aquifier
TRUNKLINE GAS COMPANY \$3.5985 \$0.5767 \$0.0005 \$0.77 12.9 42.8 TX Depleted Reservoir	TRANSCO	\$.	2.7208	\$0.0152	\$0.0322	\$0.78	182.7	312.9	TX	Depleted Reservoir and
212 242000214002			100000000000000000000000000000000000000							Salt Cavern
YOUNG GAS STORAGE \$1.5620 \$0.0590 \$0.0200 \$0.41 5.3 9.9 GO Depleted Reservoir	TRUNKLINE GAS COMPAN	IY \$3	3.5985	\$0.5767	\$0. 0005	\$0.77	12.9	42.8	TX	Depleted Reservoir
	YOUNGGASSTORAGE	\$7	1.5620	\$0.0590	\$0.0200	\$0.41	5.3	9.9	CO	Depleted Reservoir
	t	75- 777 NOTES 170 Not 870 N				910140				

Sources: Capacity data from Platts GASdat; tariff information from company filings with FERC.





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STORAGE AND CROSS FRANCHISE TRANSPORTATION RATES

(A) Applicability

To a Shipper who enters into a Contract with Union for delivery by Shipper of gas to Union at one of Union's points listed below for redelivery by Union to Shipper at one of Union's points or to storage.

Applicable Points	(1)	(2)
¥6	Ojibway	ŴĎA
	St. Clair	NDA
	Dawn*	SSMDA
64	Parkway	SWDA
	Kirkwali	CDA
	Bluewater	FDΔ

* includes Dawn (TCPL), Dawn Facilities, Dawn (Tecumseh) and Dawn (Vector)

Commodity Charge

(B) Services

Storage Service under this rate schedule is:

- i) a combined space and deliverability service for storage, OR
- ii) firm deliverability, OR
- iii) a component of a balancing service offered by Union.

Transportation Service under this rate schedule is transportation on Union's pipeline facilities between any two Points as specified in Section (A), column 1.

(C) Rates (Note I)

The identified rates (excluding gas supply charges, if applicable) represent maximum prices for service. These rates may change periodically. Multi-year prices may also be negotiated, which may be higher or lower than the identified rates.

Storage Service:

	for both gas injected and withdrawn from storage
	Rate/GJ (Note II
t-Term (less than 2 years) and Off Peak	
Combined Storage Space and Interruptible Deliverability Maximum	\$ 3.000
Firm Deliverability Maximum	\$ 3.000
a-Term (2 years or more)	
Combined Storage Space and Interruptible Deliverability Maximum	\$ 3.000
Firm Deliverability Maximum	\$ 3.000
	Maximum Firm Deliverability Maximum a-Term (2 years or more) Combined Storage Space and Interruptible Deliverability Maximum Firm Deliverability

Notes:

I. In negotiating the rate to be charged for storage services, the matters that are to be considered include:





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(C) Rates (Cont'd)

- 1. The minimum amount of storage service to which a Shipper is willing to commit,
- 2. Whether the Shipper is contracting for firm or interruptible service during Union's peak or non-peak periods,
- 3. Utilization of facilities,
- 4. Competition, and
- 5. Term.
- I. This rate may be applied in any combination of monthly demand charge, injection and/or withdrawal charge, take-or-pay charge and fuel in kind. The resulting revenue divided by the space quantity under contract must yield an average rate that falls within the range.

Transportation Service:

6	Monthly Demand Charge applied to daily contract demand <u>Rate/GJ</u>	Commodity Charge Union Providing Fuel <u>Rate/GJ</u>	Commodity Charge Customer Providing Fuel Fuel Ratio (Note II)
a) Firm Transportation Demand: Between:			
St. Clair & Dawn	\$ 1.049	\$ 0.036	0.431%
Ojibway & Dawn	\$ 1.049	\$ 0.095	1.151%
Bluewater & Dawn	\$ 1.049	\$ 0.036	0.431%
From:	V 110.10	0.000	0.401/0
Parkway to Kirkwall	\$ 0.569	\$ 0.033	0.395%
Parkway to Dawn	\$ 0.569	\$ 0.033	0.395%
Dawn to Kirkwall with Dawn Compression	\$ 1.968	\$ 0.081	0.983%
Dawn to Parkway with Dawn Compression	\$ 2.334	\$ 0.081	0.983%
b) Firm Transportation Demand From Dawn to Kirkwall and Dawn to Parkway Without LCU Protection Easterly Flow - Kirkwall			
Maximum	\$ 5.602		
- Easterly Flow - Parkway			
Maximum	\$ 5.602		
c) Interruptible and Short-Term (1 year or less) Firm Transpo Maximum Dawn (Tecumseh) and Dawn (Facilities or TCPL	70 1 /2 0 7 029020 590	\$ 9.373 \$ 0.007	





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(C) Rates (Cont'd)

Notes:

- I. In negotiating the rate to be charged for the transportation of gas, the matters that are to be considered include:
 - (1) The minimum transportation quantities to which a Shipper is willing to commit,
 - (2) Utilization of facilities,
 - (3) The direction of flow and time of year,
 - (4) Competition, and
 - (5) Term.
- II. The rate may be applied in any combination of monthly demand charge, commodity charge, take-or-pay charge and fuel in kind. The resulting revenue divided by the quantity under contract must yield an average rate that falls within the range.

Overrun:

Authorized Overrun

The following Overrun rates are applied to any quantities stored or transported in excess of the Contract parameters. Overrun will be authorized by Union at its sole discretion.

	Commodity Charge		For Customers Providing Their Own Fuel	
	Union Provides Fuel <u>Rate/GJ</u>	Interruptible Service <u>Rate/GJ</u>	Commodity Charge <u>Rate/GJ</u>	Fuel <u>Ratio</u>
a) Storage				
Space				
September to November	\$0.937			
December to August	\$0.094			
Injection				
Maximum	\$3.000			
Withdrawal				
Maximum	\$3.000			
b) Transportation				
Firm				
Between:				
St. Clair & Dawn	\$0.070		\$0.034	0.431%
Ojibway & Dawn	\$0.129		\$0.034	1.151%
Bluewater & Dawn	\$0.070		\$0.034	0.431%
From:				
Parkway to Kirkwall	\$0.051		\$0.018	0.395%
Parkway to Dawn	\$0.051		\$0.018	0.395%
Dawn to Kirkwall	\$0.146		\$0.065	0.983%
Dawn to Parkway	\$0.158		\$0.077	0.983%
Interruptible and Short-Term (1 year or less)				
Maximum		\$9.373		
Dawn (Tecumseh), Dawn (Facilities or TCPL) and Dawn (Vector) \$0.007				

Authorized overrun for short-term firm transportation and firm transportation without LCU protection is available at negotiated rates.

Unauthorized Overrun:

For all quantities on any day in excess of Shipper's contractual rights, for which authorization has not been received, Shipper will be charged \$50 per GJ during the November 1 to April 15 period. For all quantities on any day in excess of Shipper's contractual rights, for which authorization has not been received, Shipper will be charged \$9.373 per GJ during the April 16 to October 31 period.

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(C) Rates (Cont'd)

Overrun of Maximum Storage Balance

The rate payable shall be \$0.937/GJ on the Excess Storage Balance during the period of August 1 through to and including December 15. The rate payable shall be \$0.094/GJ on the Excess Storage Balance during the period of December 16 through to and including July 31.

For any Extension Period, the rate payable shall be \$0.056/GJ times the quantity in the Excess Storage Balance as of the date of such extension.

Union, during any Extension Period, may upon forty-eight (48) hours verbal notice to Shipper (to be followed in writing) take possession of Shipper's gas in storage (which shall be immediately forfeited to Union without further recourse).

These rates will be charged in addition to the normal injection and withdrawal charges.

Drafted Storage Balance

The rate payable shall be \$0.937/GJ on the Drafted Storage Balance during the period of February 1 through to and including April 30.

The rate payable shall be \$0.094/GJ on the Drafted Storage Balance during the period of May 1 through to and including January 31.

For any Extension Period, the rate payable shall be \$0.056/GJ times the quantity in the Drafted Storage Balance as of the date of such extension.

Union, during any Extension Period, may upon forty-eight (48) hours verbal notice to Shipper (to be followed in writing), replace the outstanding gas at Shipper's expense (which will include all costs related to replacing such gas, plus a charge equal to 25% of the incremental cost of the gas purchased for each unit so replaced).

These rates will be charged in addition to the normal injection and withdrawal charges.

(D) Terms of Service

General Terms & Conditions applicable to this rate schedule shall be in accordance with the attached Schedule A".

Nominations shall be in accordance with the attached Schedule "B".

Effective

January 1, 2004

O.E.B. ORDER # RP-2003-0063

Chatham, Ontario

Supersedes EB-2004-0210 Rate Schedule effective April 1, 2004.