



Eastern Interconnection Planning Collaborative

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**Phase 2 Report:**

**Interregional Transmission Development and  
Analysis for Three Stakeholder Selected  
Scenarios  
And  
Gas-Electric System Interface Study**

**DOE Award Project  
DE-OE0000343**

**July 2, 2015**

**Volume 6  
Exhibits to Section 8**

**FINAL**

## **Acknowledgement**

This material is based upon work supported by the Department of Energy, National Energy Technology Laboratory, under Award Number DE-OE0000343.

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**Exhibit 1. Underground Storage Facilities in the Study Region**

July 2, 2015

Source: EIA-191: Field Level Storage Data, November 2013

Note: Storage facilities are listed by physical location, but can also provide service to customers located in other regions.

*Italicized text indicates changes to the EIA data that have been provided by stakeholders.***Table E1-1. Underground Storage Facilities in PJM**

<b>Field Name</b>	<b>Owner</b>	<b>County</b>	<b>State</b>	<b>Type</b>	<b>Working Gas Capacity (MMcf)</b>	<b>Max Withdrawal Capability (MMcf/d)</b>
Accident	Texas Eastern Transmission LP	Garrett	MD	Depleted Field	18,300	400
Ancona	Northern Illinois Gas Company	Livingston	IL	Aquifer	60,900	850
Artemas A	Columbia Gas Transmission LLC	Bedford	PA	Depleted Field	8,720	250
Artemas B	Columbia Gas Transmission LLC	Bedford	PA	Depleted Field	1,305	43
Augusta	Hampshire Gas Co	Hampshire	WV	Depleted Field	2,166	64
Belmouth	National Fuel Gas Supply Corp.	Elk	PA	Depleted Field	800	10
Benton	Columbia Gas Transmission LLC	Hocking	OH	Depleted Field	7,723	145
Blackhawk	Columbia Gas Of Pa Inc	Beaver	PA	Aquifer	942	10
Boone Mountain	National Fuel Gas Supply Corp.	Elk	PA	Depleted Field	930	15
Bridgeport	Dominion Transmission Inc	Harrison	WV	Depleted Field	4,182	82
Brinker	Columbia Gas Transmission LLC		OH	Depleted Field	3,070	42
Bunola	Equitrans LP	Allegheny	PA	Depleted Field	3,789	<i>150</i>
Chippewa	Dominion East Ohio	Wayne	OH	Depleted Field	2,800	546
Coco A	Columbia Gas Transmission LLC	Kanawha	WV	Depleted Field	22,321	413
Coco B	Columbia Gas Transmission LLC	Kanawha	WV	Depleted Field	3,200	154
Coco C	Columbia Gas Transmission LLC	Kanawha	WV	Depleted Field	8,510	139
Columbiana	Lake Shore Gas Storage Inc		OH	Depleted Field	2,320	3
Comet	Equitrans LP	Taylor	WV	Depleted Field	3,276	<i>40</i>
Corry	National Fuel Gas Supply Corp.	Erie	PA	Depleted Field	200	25
Crawford	Columbia Gas Transmission LLC	Hocking	OH	Depleted Field	31,103	295
Donegal	Columbia Gas Transmission LLC	Washington	PA	Depleted Field	4,930	220
East Branch	National Fuel Gas Supply Corporation	Warren	PA	Depleted Field	4,500	55
Ellisburg	National Fuel Gas Supply Corp.	Potter	PA	Depleted Field	12,216	230
Ellisburg	Dominion Transmission Inc.	Potter	PA	Depleted Field	43,314	816
Eric	NGO Development Corporation	Licking	OH	Depleted Field	350	0

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Finleyville	Equitrans LP	<i>Washington</i>	PA	Depleted Field	<i>456</i>	25
Gabor Wertz	Dominion East Ohio	Wayne	OH	Depleted Field	600	108
Galbraith	National Fuel Gas Supply Corp.	Jefferson	PA	Depleted Field	1,900	37
Gamble Hayden	<i>Allegheny Valley Connector<sup>1</sup></i>	Allegheny	PA	Depleted Field	1,122	20
Gladly	Columbia Gas Transmission LLC	Randolph	WV	Depleted Field	12,707	323
Greenlick	Dominion Transmission Inc.	Clinton	PA	Depleted Field	28,830	1,062
Guernsey	Columbia Gas Transmission LLC	Guernsey	OH	Depleted Field	2,645	35
Hardy	Hardy Storage Company LLC	Hardy	WV	Depleted Field	12,300	171
Harrison	Dominion Transmission Inc.	Potter	PA	Depleted Field	20,718	455
Hayes	Equitrans LP	Marion	WV	Depleted Field	<i>146</i>	<i>1</i>
Heard	Columbia Gas Transmission LLC	Greene	PA	Depleted Field	8,500	0
Hebron	Tennessee Gas Pipeline Company	Potter	PA	Depleted Field	17,300	485
Heizer A-1	Cranberry Pipeline Corporation	Kanawha	WV	Depleted Field	2,730	46
Henderson	National Fuel Gas Supply Corp.	Mercer	PA	Depleted Field	2,500	33
Herscher	Natural Gas Pipeline Co Of America	Kankakee	IL	Depleted Field	35,950	1,280
Herscher Northwest	Natural Gas Pipeline Co Of America	Kankakee	IL	Aquifer	2,207	65
Holbrook	Columbia Gas Transmission LLC	Greene	PA	Depleted Field	1,500	0
Holmes	Columbia Gas Transmission LLC	Holmes	OH	Depleted Field	10,800	68
Hughes	Peoples TWP LLC	Butler	PA	Depleted Field	24	5
Hunt	Columbia Gas Transmission LLC	Kanawha	WV	Depleted Field	1,100	12
Hunters Cave	Equitrans LP	Greene	PA	Depleted Field	<i>3,065</i>	<i>20</i>
Keelor	National Fuel Gas Supply Corp.	Mckean	PA	Depleted Field	2,400	82
Kennedy Lost Creek	Dominion Transmission Inc.	Lewis	WV	Depleted Field	87,539	1,100

<sup>1</sup> Operated by Equitrans LP.

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Kinter	Peoples TWP LLC	Indiana	PA	Depleted Field	400	9
Lanham	Columbia Gas Transmission LLC	Kanawha	WV	Depleted Field	1,500	48
Laurel	Columbia Gas Transmission LLC	Hocking	OH	Depleted Field	8,300	169
Leidy Tamarack	Dominion Transmission Inc.	Clinton	PA	Depleted Field	61,201	1,224
Little Capon	Hampshire Gas Co	Hampshire	WV	Depleted Field	2,370	73
Logansport	Equitrans LP	Marion	WV	Depleted Field	2,221	50
Lorain	Columbia Gas Transmission LLC	Lorain	OH	Depleted Field	3,330	62
Love	NGO Development Corporation	Perry	OH	Depleted Field	126	3
Lucas	Columbia Gas Transmission LLC	Ashland	OH	Depleted Field	25,107	409
Majorsville Dp	Columbia Gas Transmission LLC	Mingo	WV	Depleted Field	23,000	0
Majorsville Sh	Columbia Gas Transmission LLC	Mingo	WV	Depleted Field	3,300	0
Maple Lake	Equitrans LP	Taylor	WV	Depleted Field	980	10
Markle	National Fuel Gas Supply Corp.	Jefferson	PA	Depleted Field	155	11
Mcarthur	Columbia Gas Transmission LLC	Vinton	OH	Depleted Field	5,278	76
Medina	Columbia Gas Transmission LLC	Medina	OH	Depleted Field	4,370	71
Meeker	UGI Storage Company	Tioga	PA	Depleted Field	3,700	60
Mobley	Equitrans LP	Wetzel	WV	Depleted Field	4,653	75
Murrysville (Dice)	Peoples Natural Gas Company	Allegheny	PA	Depleted Field	1,530	40
Muskie	NGO Transmission Inc.	Muskingum	OH	Depleted Field	350	4
North Summit	Dominion Transmission Inc.	Fayette	PA	Depleted Field	11,500	3,000
Oakford	Dominion Transmission Inc.	Westmoreland	PA	Depleted Field	81,400	1,405
Pavonia	Columbia Gas Transmission LLC	Ashland	OH	Depleted Field	24,301	285
Perry	NGO Transmission Inc.	Perry	OH	Depleted Field	1,081	18
Pontiac	Northern Illinois Gas Company	Livingston	IL	Aquifer	3,720	100
Pontiac	Northern Illinois Gas Company	Livingston	IL	Aquifer	8,500	200

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Portman	Peoples TWP LLC	Butler	PA	Depleted Field	94	11
Pratt	Equitrans LP	Greene	PA	Depleted Field	3,988	37
Queen	National Fuel Gas Supply Corp.	Forest	PA	Depleted Field	300	5
Rachet-Newberne	Dominion Transmission Inc.	Ritchie	WV	Depleted Field	4,446	50
Rager Mountain	<i>Allegheny Valley Connector<sup>2</sup></i>	Cambria	PA	Depleted Field	11,300	180
Raleigh City	Cranberry Pipeline Corporation	Raleigh	WV	Depleted Field	660	17
Rhodes	Equitrans LP	Lewis	WV	Depleted Field	4,566	46
Ripley	Columbia Gas Transmission LLC	Jackson	WV	Depleted Field	10,503	83
Rockport	Columbia Gas Transmission LLC	Wirt	WV	Depleted Field	3,761	114
Sabinsville	Dominion Transmission Inc.	Tioga	PA	Depleted Field	17,697	518
Sharon	Dominion Transmission Inc.	Potter	PA	Depleted Field	2,405	25
Shirley	Equitrans LP	<i>Tyler</i>	WV	Depleted Field	1,898	17
Skin Creek	Equitrans LP	Lewis	WV	Depleted Field	1,128	20
South Bend	Dominion Transmission Inc.	Armstrong	PA	Depleted Field	5,810	200
St Marys	National Fuel Gas Supply Corp.	Elk	PA	Depleted Field	220	4
Stark-Summit	Dominion East Ohio	Stark	OH	Depleted Field	59,400	2,134
Stechman Ridge	Stechman Ridge LP	Bedford	PA	Depleted Field	12,000	300
Summit	National Fuel Gas Supply Corp.	Erie	PA	Depleted Field	1,600	60
Swarts	Equitrans LP	Greene	PA	Depleted Field	1,345	24
Swede Hill	National Fuel Gas Supply Corp.	Mckean	PA	Depleted Field	300	8
Tepe	Equitrans LP	Allegheny	PA	Depleted Field	638	30
Terra Alta	Columbia Gas Transmission LLC	Preston	WV	Depleted Field	11,500	210

<sup>2</sup> 9,300 MMcf of working gas capacity and 135 MMcf/d of max withdrawal capability operated by Equitrans LP; 2,000 MMcf of working gas capacity and 45 MMcf/d of max withdrawal capability operated by Rager Mountain Storage Company LLC.

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Terra Alta South	Columbia Gas Transmission LLC	Preston	WV	Depleted Field	3,700	67
Tioga	Dominion Transmission Inc.	Tioga	PA	Depleted Field	24,000	504
Truittsburg	<i>Allegheny Valley Connector<sup>3</sup></i>	Clarion	PA	Depleted Field	2,142	45
Vardy	Peoples TWP LLC	Butler	PA	Depleted Field	73	11
Victory A	Columbia Gas Transmission LLC	Wetzel	WV	Depleted Field	2,309	68
Victory B	Columbia Gas Transmission LLC	Wetzel	WV	Depleted Field	10,994	167
Wayne	Columbia Gas Transmission LLC	Ashland	OH	Depleted Field	8,200	109
Weaver	Columbia Gas Transmission LLC	Ashland	OH	Depleted Field	19,022	177
Webster	<i>Allegheny Valley Connector<sup>3</sup></i>	Westmoreland	PA	Depleted Field	551	15
Wellendorf	National Fuel Gas Supply Corp.	Mckean	PA	Depleted Field	450	6
Wellington	Columbia Gas Transmission LLC	Lorain	OH	Depleted Field	8,835	154
Wharton	National Fuel Gas Supply Corp.	Potter	PA	Depleted Field	16,000	300
Zane	NGO Transmission Inc.	Muskingum	OH	Depleted Field	1,155	12

<sup>3</sup> Operated by Equitrans LP.



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**Table E1-2. Underground Storage Facilities in MISO**

<b>Field Name</b>	<b>Owner</b>	<b>County</b>	<b>State</b>	<b>Type</b>	<b>Working Gas Capacity (MMcf)</b>	<b>Max Withdrawal Capability (MMcf/d)</b>
Alford	Texas Gas Transmission Corp.	Pike	IN	Depleted Field	919	41
Arcadia	Arcadia Gas Storage LLC		LA	Salt Dome	7,850	650
Ashmore	AmerenCIPS Illinois Company	Coles	IL	Depleted Field	1,129	20
Austin	ANR Pipeline Company	Mecosta	MI	Depleted Field	7,000	864
Baker	Williston Basin Interstate Pipeline	Fallon	MT	Depleted Field	164,427	150
Barnsley	Atmos Energy Corporation	Hopkins	KY	Depleted Field	1,279	30
Bear Creek	Bear Creek Storage Company	Bienville	LA	Depleted Field	58,000	900
Belle River	Michigan Consolidated Gas Co.	St. Clair	MI	Depleted Field	59,176	2,175
Bistineau	Gulf South Pipeline	Bienville	LA	Depleted Field	85,746	1,200
Blue Lake 18a	ANR Pipeline Company	Kalkaska	MI	Depleted Field	47,086	700
Bluewater	Bluewater Gas Storage LLC	St. Clair	MI	Depleted Field	23,300	700
Bluewater	Bluewater Gas Storage LLC	St. Clair	MI	Depleted Field	2,700	100
Boardwalk	Boardwalk Louisiana Midstream LLC	Iberville	LA	Salt Dome	7,600	450
Bon Harbor	Atmos Energy Corporation	Daviess	KY	Depleted Field	779	24
Bond	Mississippi Hub LLC	Simpson	MS	Salt Dome	14,885	900
Cairo	Natural Gas Pipeline Co. of America	Louisa	IA	Aquifer	28,415	378
Cecilia	City Of Elizabethtown Natural Gas	Hardin	KY	Aquifer	2,010	10
Central Charlton	ANR Pipeline Company	Otsego	MI	Depleted Field	12,900	220
Centralia	AmerenCIPS Illinois Company	Marion	IL	Depleted Field	143	14
Cold Springs 1	ANR Pipeline Company	Kalkaska	MI	Depleted Field	15,330	200
Cold Springs 12	ANR Pipeline Company	Kalkaska	MI	Depleted Field	25,257	300
Cold Springs 31	ANR Pipeline Company	Kalkaska	MI	Depleted Field	4,555	200
Collins Field	Semco Energy Gas Company	St. Clair	MI	Depleted Field	1,457	21
Columbus	Michigan Consolidated Gas Co.	St. Clair	MI	Depleted Field	16,171	450
Columbus City	Natural Gas Pipeline Co. of America	Louisa	IA	Aquifer	16,685	175
Cooks Mills	Natural Gas Pipeline Co. of America	Douglas	IL	Depleted Field	4,600	150

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Cranberry Lake	Consumers Energy Company	Clare	MI	Depleted Field	10,023	100
Dayton North	KinderMorgan Texas Pipeline LP	Liberty	TX	Salt Dome	11,000	850
Dixie	Texas Gas Transmission Corporation	Henderson	KY	Depleted Field	3,005	101
Dixon	Citizens Energy Group	Greene	IN	Aquifer	869	39
Doe Run	Louisville Gas and Electric Company	Meade	KY	Aquifer	3,990	55
East Diamond	Atmos Energy Corporation	Daviess	KY	Depleted Field	2,160	40
East Slaughters	Alcan Aluminum Corporation	Hopkins	KY	Aquifer	629	3
East Unionville	Mississippi River Transmission Corp.	Lincoln	LA	Depleted Field	27,568	390
Eaton Rapids	ANR Pipeline Company	Ingham	MI	Depleted Field	12,984	160
Eden	AmerenCIPS Illinois Company	Coles	IL	Depleted Field	390	8
Egan	Texas Eastern Transmission LP	Acadia	LA	Salt Dome	28,980	2,300
Eminence	Transcontinental Gas Pipeline Co.	Covington	MS	<i>Salt Dome</i>	<i>10,048</i>	<i>1,198</i>
Epps	Trunkline Gas Company	East Carroll	LA	Depleted Field	13,000	150
Excelsior 6	ANR Pipeline Company	Kalkaska	MI	Depleted Field	10,810	200
Florissant	Laclede Gas Company	St. Louis	MO	Aquifer	6,000	380
Four Corners	Consumers Energy Company	St. Clair	MI	Depleted Field	2,348	50
Freeburg	AmerenCIPS Illinois Company	St. Clair	IL	Depleted Field	1,900	35
Glasford	AmerenCIPS Illinois Company	Coles	IL	Aquifer	4,014	120
Goodwell	ANR Pipeline Company	Newaygo	MI	Depleted Field	19,300	400
Grand Bayou	Pontchartrain Natural Gas System	Assumption	LA	Salt Dome	1,678	240
Grandview	Atmos Energy Corporation	Daviess	KY	Depleted Field	305	5
Grass Creek	Northern Indiana Public Svc Co.	Fulton	IN	Aquifer	1,989	43
Hanson	Texas Gas Transmission Corporation	Hopkins	KY	Depleted Field	5,587	156
Hattiesburg	Hattiesburg Gas Storage	Forrest	MS	Salt Dome	2,059	200
Hawesville NW	Atmos Energy Corporation	Hancock	KY	Depleted Field	51	2
Hessen	Consumers Energy Company	St. Clair	MI	Depleted Field	12,283	300

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Hester	Transcontinental Gas Pipeline Co.	St. James	LA	Depleted Field	0 <sup>4</sup>	0 <sup>4</sup>
Hickory	Atmos Energy Corporation	Daviess	KY	Depleted Field	452	24
Hillsboro	AmerenCIPS Illinois Company	St. Clair	IL	Aquifer	7,600	125
Hindustan	Indiana Gas Company dba Vectren	Monroe	IN	Depleted Field	800	8
Hookdale	AmerenCIPS Illinois Company	Coles	IL	Depleted Field	715	30
Howell	Southwest Gas Storage Company	Livingston	MI	Depleted Field	17,686	410
Howesville	Citizens Energy Group	Greene	IN	Aquifer	1,050	40
Hudson	Northern Illinois Gas Company	Mclean	IL	Aquifer	10,250	175
Ira	Consumers Energy Company	St. Clair	MI	Depleted Field	1,965	400
Jefferson Island	Jefferson Island Storage And Hub LLC	Iberia	LA	Salt Dome	6,966	720
Johnston City	Amerencips Illinois Company	Williamson	IL	Depleted Field	746	10
Keota	Natural Gas Pipeline Co Of America	Washington	IA	Aquifer	2,814	65
Kirkwood	Atmos Energy Corporation	Hopkins	KY	Depleted Field	250	12
Lacey	SEMCO Energy Gas Company	Barry	MI	Salt Dome	176	25
Lake Bloomington	Northern Illinois Gas Company	Mclean	IL	Aquifer	8,400	150
Lee 11	SEMCO Energy Gas Company	Calhoun	MI	Depleted Field	622	16
Lee 2	SEMCO Energy Gas Company	Calhoun	MI	Depleted Field	661	18
Lee 8	Lee 8 Storage Partnership	Calhoun	MI	Depleted Field	3,078	50
Leesville	Texas Gas Transmission Corporation	Lawrence	IN	Aquifer	1,793	41
Lenox	Consumers Energy Company	Macomb	MI	Depleted Field	884	230
Lexington	Northern Illinois Gas Company	Mclean	IL	Aquifer	8,250	150
Lincoln	AmerenCIPS Illinois Company	Logan	IL	Aquifer	4,159	70
Lincoln-Freeman	ANR Pipeline Company	Clare	MI	Depleted Field	17,000	400
Loogootee	Southern Indiana Gas Electric	Daviess	IN	Depleted Field	221	-

<sup>4</sup> This field was abandoned and is no longer operational.

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Loreed	ANR Pipeline Company	Osceola	MI	Depleted Field	22,000	860
Loudon	Natural Gas Pipeline Co Of America	Fayette	IL	Depleted Field	40,000	510
Lyon 29	Consumers Energy Company	Oakland	MI	Depleted Field	1,209	200
Manlove Field (0	Peoples Gas Light And Coke Company	Champaign	IL	Aquifer	38,756	800
Marysville Storage	SEMCO Energy Gas Company	St. Clair	MI	Salt Dome	1,983	60
Midway	Southern Indiana Gas Electric	Spencer	IN	Depleted Field	1,200	36
Mills	Egyptian Gas Storage Corporation	Gallatin	IL	Depleted Field	925	5
Mineral City	Citizens Energy Group	Greene	IN	Aquifer	400	12
Monroe City	Southern Indiana Gas Electric	Knox	IN	Depleted Field	4,434	28
Moss Bluff	Texas Eastern Transmission LP	Liberty	TX	Salt Dome	22,690	1,000
Muldraugh	Louisville Gas And Electric Company	Meade	KY	Depleted Field	3,150	220
Muttonville	ANR Pipeline Company	Macomb	MI	Depleted Field	8,200	400
Napoleonville	Bridgeline Holdings LP	Ascension	LA	Salt Dome	6,615	400
New Home Dome	Leaf River Energy Center LLC	Jasper	MS	Salt Dome	12,400	2,500
Northville	Consumers Energy Company	Washtenaw	MI	Depleted Field	1,179	250
Oaktown	Texas Gas Transmission Corporation	Knox	IN	Depleted Field	302	9
Oliver	Southern Indiana Gas Electric	Posey	IN	Depleted Field	1,400	46
Overisel	Consumers Energy Company	Allegan	MI	Depleted Field	22,600	250
Partello	Michigan Gas Utilities Corporation	Calhoun	MI	Depleted Field	3,094	40
Pecatonica	Northern Illinois Gas Company	Mclean	IL	Aquifer	1,720	75
Petal	Petal Gas Storage LLC	Forrest	MS	Salt Dome	16,099	1,386
Pine Prairie	Pine Prairie Energy Center LLC	Evangeline	LA	Salt Dome	48,000	3,200
Port Barre	Bobcat Gas Storage	St. Landry	LA	Salt Dome	13,940	600
Puttygut	Consumers Energy Company	St. Clair	MI	Depleted Field	9,335	350
Rapid River 35	ANR Pipeline Company	Kalkaska	MI	Depleted Field	15,051	250
Ray	Consumers Energy Company	Macomb	MI	Depleted Field	42,350	1,555

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Redfield	Northern Natural Gas Company	Dallas	IA	Aquifer	42,399	600
Reed City	ANR Pipeline Company	Osceola	MI	Depleted Field	13,200	312
Riverside	Consumers Energy Company	Missaukee	MI	Depleted Field	1,474	20
Royal Center	Northern Indiana Public Svc Co.	Cass	IN	Aquifer	5,035	100
Ruston	Centerpoint Energy Gas Transmission	Lincoln	LA	Depleted Field	4,000	70
Salem	Consumers Energy Company	Allegan	MI	Depleted Field	9,826	120
Sciota	AmerenCIPS Illinois Company	Mcdonough	IL	Aquifer	500	8
Sellersburg	Indiana Gas Company DbA Vectren	Clark	IN	Aquifer	144	7
Shanghai	AmerenCIPS Illinois Company	Logan	IL	Aquifer	2,100	80
Simpson Chapel	Citizens Energy Group	Greene	IN	Aquifer	400	9
Sorrento	Bridgeline Holdings LP	Ascension	LA	Salt Dome	4,074	240
South Chester 15	ANR Pipeline Company	Otsego	MI	Depleted Field	13,400	212
South Huntingburg	Huntingburg City Of Municipal Utility	Dubois	IN	Depleted Field	264	3
Southern Pines	SG Resources Mississippi LLC	Greene	MS	Salt Dome	40,000	2,400
Spindletop	PB Energy Storage Services Inc	Jefferson	TX	Salt Dome	7,200	480
Spindletop	Centana Interstate Pipeline LLC	Jefferson	TX	Salt Dome	8,300	500
Spindletop	Golden Triangle Storage Inc.	Jefferson	TX	Salt Dome	13,399	600
St Charles	Atmos Energy Corporation	Hopkins	KY	Depleted Field	2,685	45
St. Jacob	Mississippi River Transmission Corp.	Madison	IL	Aquifer	2,039	26
Swan Creek	Consumers Energy Company	St. Clair	MI	Depleted Field	413	13
Switz City	Citizens Energy Group	Greene	IN	Aquifer	857	39
Taggart	Michigan Consolidated Gas Company	Mecosta	MI	Depleted Field	39,781	700
Tilden	AmerenCIPS Illinois Company	St. Clair	IL	Depleted Field	870	50
Troy Grove	Northern Illinois Gas Company	La Salle	IL	Aquifer	48,000	1,100
Unionville	Indiana Gas Company DbA Vectren	Monroe	IN	Depleted Field	3,537	80
Washington	Transcontinental Gas Pipeline Company	St. Landry	LA	<i>Depleted Field</i>	75,000	790

**Exhibit 1. Underground Storage Facilities in the Study Region**

July 2, 2015

Source: EIA-191: Field Level Storage Data, November 2013

Note: Storage facilities are listed by physical location, but can also provide service to customers located in other regions.

**Table E1-2. Underground Storage Facilities in MISO**

<b>Field Name</b>	<b>Owner</b>	<b>County</b>	<b>State</b>	<b>Type</b>	<b>Working Gas Capacity (MMcf)</b>	<b>Max Withdrawal Capability (MMcf/d)</b>
Washington 10	Michigan Consolidated Gas Company	Macomb	MI	Depleted Field	89,317	1,520
Waterville	Centerpoint Energy	Waseca	MN	Aquifer	2,000	50
Waverly	Southwest Gas Storage Company	Morgan	IL	Aquifer	4,480	70
West Columbus	Michigan Consolidated Gas Company	St. Clair	MI	Depleted Field	22,377	1,300
West Unionville	Mississippi River Transmission Corp.	Lincoln	LA	Depleted Field	11,466	190
White River	Sigcorp Energy Services	Hancock	IN	Depleted Field	732	10
Wilfred	Texas Gas Transmission Corporation	Sullivan	IN	Aquifer	1,982	40
Winfield	ANR Pipeline Company	Mecosta	MI	Depleted Field	6,800	100
Winterfield	Consumers Energy Company	Clare	MI	Depleted Field	24,860	2,400
Wolcott	Indiana Gas Company Db a Vectren	White	IN	Aquifer	1,181	49
Worthington	Citizens Energy Group	Greene	IN	Aquifer	3,516	68

**Exhibit 1. Underground Storage Facilities in the Study Region**

July 2, 2015

Source: EIA-191: Field Level Storage Data, November 2013

Note: Storage facilities are listed by physical location, but can also provide service to customers located in other regions.

**Table E1-3. Underground Storage Facilities in NYISO**

Field Name	Owner	County	State	Type	Working Gas Capacity (MMcf)	Max Withdrawal Capability (MMcf/d)
Adrian	Steuben Gas Storage Company	Steuben	NY	Depleted Field	6,200	59
Beech Hill	National Fuel Gas Supply Corp.	Kings	NY	Depleted Field	9,900	66
Bennington	National Fuel Gas Supply Corp.	Erie	NY	Depleted Field	1,800	75
Colden	National Fuel Gas Supply Corp.	Erie	NY	Depleted Field	7,550	120
Collins	National Fuel Gas Supply Corp.	Erie	NY	Depleted Field	2,850	50
Derby	National Fuel Gas Supply Corp.	Erie	NY	Depleted Field	250	5
Dundee	Columbia Gas Transmission LLC	Putnam	NY	Depleted Field	3,870	62
East Independence	National Fuel Gas Supply Corp.	Allegany	NY	Depleted Field	2,200	38
Greenwood	Columbia Gas Transmission LLC	Steuben	NY	Depleted Field	130	-
Holland	National Fuel Gas Supply Corp.	Erie	NY	Depleted Field	1,100	35
Honeoye	Honeoye Storage Corp.	Ontario	NY	Depleted Field	6,574	70
Lawtons	National Fuel Gas Supply Corp.	Erie	NY	Depleted Field	970	33
Limestone	National Fuel Gas Supply Corp.	Cattaraugus	NY	Depleted Field	2,000	37
Nashville	National Fuel Gas Supply Corp.	Cattaraugus	NY	Depleted Field	3,930	110
North Greenwood	Columbia Gas Transmission LLC	Steuben	NY	Depleted Field	1,100	5
Onondaga	Wyckoff Gas Storage	Steuben	NY	Depleted Field	6,117	400
Perrysburg	National Fuel Gas Supply Corp.	Cattaraugus	NY	Depleted Field	1,850	60
Quinlan <sup>5</sup>	Dominion Transmission Inc.	Cattaraugus	NY	Depleted Field	4,000	300
Seneca Lake	Arlington Gas Storage Co. LLC	Putnam	NY	Depleted Field	1,450	145
Sheridan	National Fuel Gas Supply Corp.	Chautauqua	NY	Depleted Field	1,100	25
Stagecoach Field	Central New York Oil And Gas Co.	Tioga	NY	Depleted Field	24,788	500
Thomas Corners	Arlington Gas Storage Co. LLC	Steuben	NY	Depleted Field	7,000	140
Tuscarora	National Fuel Gas Supply Corp.	Steuben	NY	Depleted Field	3,800	58
West Independence	National Fuel Gas Supply Corp.	Allegany	NY	Depleted Field	7,300	53
Woodhull <sup>5</sup>	Dominion Transmission Inc.	Steuben	NY	Depleted Field	20,597	357

<sup>5</sup> Dominion Transmission, Inc. notes that it operates storage as integrated pools, not on a regional basis.

**Exhibit 1. Underground Storage Facilities in the Study Region**

July 2, 2015

Source: EIA-191: Field Level Storage Data, November 2013

Note: Storage facilities are listed by physical location, but can also provide service to customers located in other regions.

**Table E1-3. Underground Storage Facilities in NYISO**

<b>Field Name</b>	<b>Owner</b>	<b>County</b>	<b>State</b>	<b>Type</b>	<b>Working Gas Capacity (MMcf)</b>	<b>Max Withdrawal Capability (MMcf/d)</b>
Zoar	National Fuel Gas Supply Corp.	Erie	NY	Depleted Field	600	51



**Exhibit 1. Underground Storage Facilities in the Study Region**

July 2, 2015

Source: EIA-191: Field Level Storage Data, November 2013

Note: Storage facilities are listed by physical location, but can also provide service to customers located in other regions.

**Table E1-4. Underground Storage Facilities in TVA**

<b>Field Name</b>	<b>Owner</b>	<b>County</b>	<b>State</b>	<b>Type</b>	<b>Working Gas Capacity (MMcf)</b>	<b>Max Withdrawal Capability (MMcf/d)</b>
Amory	Atmos Energy Corporation	Monroe	MS	Depleted Field	1,000	30
Carter	Caledonia Energy Partners LLC	Lowndes	MS	Depleted Field	19,900	550
Center	Louisville Gas And Electric Company	Metcalf	KY	Depleted Field	2,380	40
Crofton East	Atmos Energy Corporation	Christian	KY	Depleted Field	50	1
Early Grove	Saltville Gas Storage Company LLC	Washington	VA	Depleted Field	1,400	20
Four Mile Creek	Monroe Gas Storage Company LLC	Monroe	MS	Depleted Field	9,919	269
Goodwin	Atmos Energy Corporation	Monroe	MS	Depleted Field	1,214	18
Graham Lake	Texas Gas Transmission Corporation	Muhlenberg	KY	Depleted Field	1,300	23
Jackson	Gulf South Pipeline	Rankin	MS	Depleted Field	5,126	250
Midland	Texas Gas Transmission Corporation	Muhlenberg	KY	Depleted Field	65,183	1,030
Muldon	Southern Natural Gas Company	Monroe	MS	Depleted Field	31,000	750
Saltville	Saltville Gas Storage Company LLC	Washington	VA	Salt Dome	4,000	325
West Greenville	Texas Gas Transmission Corporation	Muhlenberg	KY	Depleted Field	4,184	94

**Exhibit 2. Pipeline and Storage Company Rate Schedules**

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
Algonquin	AFT-E	No-Notice Firm Transportation Service	Firm			X	
Algonquin	AFT-1S	Small Customer Firm Transportation Service	Firm				
Algonquin	AFT-ES	Small Customer No-Notice Firm Transportation Service	Firm			X	
Algonquin	T-1	Transportation Service - New York and New Jersey	Firm				
Algonquin	AFT-4	Firm Transportation Service	Firm				1
Algonquin	AFT-CL	Firm Transportation Service	Firm	X			2
Algonquin	AIT-1	Interruptible Transportation Service	Interruptible				
Algonquin	AIT-2	Interruptible Transportation Service	Interruptible				2
Algonquin	PAL	Park and Loan Service	Interruptible				
Algonquin	AFT-1	Firm Transportation Service	Firm				
Alliance	IT-1	Interruptible Transportation Service	Interruptible	X			
Alliance	IW	Interruptible Wheeling Service	Interruptible	X			3
Alliance	FT-1	Firm Transportation Service	Firm	X			4
Alliance	PAL	Park and Loan Service	Interruptible	X			5
AM AlaTenn	LMS	Load Management Service	Firm				
AM AlaTenn	IT	Interruptible Transportation Service	Interruptible				
AM AlaTenn	FT-SG	Firm Transportation Small General Service	Firm				
AM AlaTenn	FT	Firm Transportation Service	Firm				
AM MidLa	NNS	No-Notice Service	Firm			X	
AM MidLa	FTS	Firm Transportation Service	Firm				
AM MidLa	ITS	Interruptible Transportation Service	Interruptible				
AM MidLa	FTS-OSF	Firm Transportation Service – Offshore Facilities	Firm				
AM MidLa	ITS-OSF	Interruptible Transportation Service – Offshore Facilities	Interruptible				
ANR	FSS	Firm Storage Service	Firm				6
ANR	DDS	Deferred Delivery Service	Interruptible				7
ANR	PTS-3	Pooling Transportation Service - Interruptible	Interruptible				
ANR	PTS-2	Pooling Transportation Service - Firm	Firm				
ANR	PTS-1	Pooling Transportation Service - Derivative	Firm or Interruptible				8
ANR	NNS	No-Notice Service	Firm	X		X	9
ANR	MBS	Market Balancing Service	Interruptible	X		X	10
ANR	IWS	Interruptible Wheeling Service	Interruptible				11
ANR	IPLS	Interruptible Park and Lend Service	Interruptible				12

**Exhibit 2. Pipeline and Storage Company Rate Schedules**

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

<b>Pipeline/Storage Operator</b>	<b>Rate Schedule</b>	<b>Rate Schedule Name</b>	<b>Character of Service</b>	<b>Hourly Flexibility (Contractual)</b>	<b>Bundled Service</b>	<b>No-Notice Service</b>	<b>Notes</b>
ANR	ITS	Interruptible Transportation Service	Interruptible				
ANR	FTS-4L	Firm Transportation Service	Firm				
ANR	FTS-4	Firm Transportation Service (with Minimum Flow Condition)	Firm				13
ANR	FTS-3	Firm Transportation Service	Firm	X			14
ANR	FTS-2	Firm Transportation Service	Quasi-firm				15
ANR	FTS-1	Firm Transportation Service	Firm	X			
ANR	STS	Small Transportation Service	Firm	X		X	
ANR	ETS	Enhanced Transportation Service	Firm	X			16
ANR	ITS-3	Interruptible Transportation Service	Interruptible	X			14
ANR Storage	IS	Interruptible Storage Service	Interruptible				
ANR Storage	MS	Merchant Sales	Firm				
ANR Storage	FS	Firm Storage Service	Firm				
Arlington Storage	FSS-A	Firm Storage Service-Adrian	Firm				17
Arlington Storage	NNSS	No-Notice Storage Service	Firm	X		X	
Arlington Storage	FP	Firm Parking Service	Firm				
Arlington Storage	FL	Firm Loan Service	Firm				
Arlington Storage	ISS	Interruptible Storage Service	Interruptible				
Arlington Storage	IHBS	Interruptible Hourly Balancing Service	Interruptible	X			
Arlington Storage	IP	Interruptible Parking Service	Interruptible				
Arlington Storage	IW	Interruptible Wheeling Service	Interruptible				18
Arlington Storage	IL	Interruptible Loan Service	Interruptible				
Arlington Storage	EIPS	Enhanced Interruptible Parking Service	Interruptible				19
Arlington Storage	EILS	Enhanced Interruptible Loan Service	Interruptible				19
Arlington Storage	EIWS	Enhanced Interruptible Wheeling Service	Interruptible				19
Arlington Storage	FSS	Firm Storage Service	Firm				
Big Sandy	ITS	Interruptible Transportation Service	Interruptible				
Big Sandy	FTS	Firm Transportation Service	Firm				
Bison	FT-1	Firm Transportation Service	Firm				
Bison	IT-1	Interruptible Transportation Service	Interruptible				
Bison	PAL	Park and Loan Service	Interruptible				
Blue Lake Storage	FS	Firm Storage Service	Firm				
Blue Lake Storage	IS	Interruptible Storage Service	Interruptible				
Blue Lake Storage	MS	Merchant Sales	Firm				
Bluewater Storage	IHBS	Interruptible Hourly Balancing Service	Interruptible	X			
Bluewater Storage	IB	Interruptible Balancing Service	Interruptible				

**Exhibit 2. Pipeline and Storage Company Rate Schedules**

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

<b>Pipeline/Storage Operator</b>	<b>Rate Schedule</b>	<b>Rate Schedule Name</b>	<b>Character of Service</b>	<b>Hourly Flexibility (Contractual)</b>	<b>Bundled Service</b>	<b>No-Notice Service</b>	<b>Notes</b>
Bluewater Storage	IL	Interruptible Loan Service	Interruptible				
Bluewater Storage	IP	Interruptible Parking Service	Interruptible				
Bluewater Storage	FSS	Firm Storage Service	Firm				
Bluewater Storage	FL	Firm Loan Service	Firm				
Bluewater Storage	FP	Firm Parking Service	Firm				
Bluewater Storage	NNSS	No-Notice Storage Service	Firm	X		X	
Bluewater Storage	ISS	Interruptible Storage Service	Interruptible				
Bluewater Storage	IW	Interruptible Wheeling Service	Interruptible				20
Boardwalk Storage	FSS	Firm Storage Service	Firm				
Boardwalk Storage	ISS	Interruptible Storage Service	Interruptible				
Boardwalk Storage	IPS	Interruptible Parking Service	Interruptible				
Boardwalk Storage	ILS	Interruptible Loan Service	Interruptible				
Boardwalk Storage	IWS	Interruptible Wheeling Service	Interruptible				
Boardwalk Storage	IBTS	Interruptible Imbalance Trading Service	Interruptible				
Boardwalk Storage	IBS	Interruptible Balancing Service	Interruptible				
Bobcat Storage	FSS	Firm Storage Service	Firm				
Bobcat Storage	NNSS	No-Notice Storage Service	Firm			X	
Bobcat Storage	ISS	Interruptible Storage Service	Interruptible				
Bobcat Storage	EPS	Enhanced Park Service	Interruptible				
Bobcat Storage	ELS	Enhanced Loan Service	Interruptible				
Bobcat Storage	IPS	Interruptible Park Service	Interruptible				
Bobcat Storage	IWS	Interruptible Wheeling Service	Interruptible				
Bobcat Storage	ILS	Interruptible Loan Service	Interruptible				
Cadeville Storage	FSS	Firm Storage Service	Firm				
Cadeville Storage	ISS	Interruptible Storage Service	Interruptible				
Cadeville Storage	IPS	Interruptible Parking Service	Interruptible				
Cadeville Storage	ILS	Interruptible Loan Service	Interruptible				
Cadeville Storage	IWS	Interruptible Wheeling Service	Interruptible				
Cadeville Storage	IBTS	Interruptible Imbalance Trading Service	Interruptible				
Cadeville Storage	IBS	Interruptible Balancing Service	Interruptible				
Caledonia Energy Partners	AISS	Advanced Interruptible Storage Service	Interruptible				21
Caledonia Energy Partners	ILS	Interruptible Loan Service	Interruptible				
Caledonia Energy Partners	AILS	Advanced Interruptible Loan Service	Interruptible				21
Caledonia Energy Partners	ISS	Interruptible Storage Service	Interruptible				
Caledonia Energy Partners	FSS	Firm Storage Service	Firm				

**Exhibit 2. Pipeline and Storage Company Rate Schedules**

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

<b>Pipeline/Storage Operator</b>	<b>Rate Schedule</b>	<b>Rate Schedule Name</b>	<b>Character of Service</b>	<b>Hourly Flexibility (Contractual)</b>	<b>Bundled Service</b>	<b>No-Notice Service</b>	<b>Notes</b>
Caledonia Energy Partners	IPS	Interruptible Parking Service	Interruptible				
CNYOG	IWS	Interruptible Wheeling Service	Interruptible				
CNYOG	FTS	Firm Transportation Service	Firm				22
CNYOG	FWS	Firm Wheeling Service	Firm				23
CNYOG	ISS	Interruptible Storage Service	Interruptible				
CNYOG	FSS	Firm Storage Service	Firm				
CNYOG	ITS	Interruptible Transportation Service	Interruptible				
Cobra Pipeline		Firm Transportation Service	Firm				
Cobra Pipeline		Interruptible Transportation Service	Interruptible				
Columbia Gas	ISS	Interruptible Storage Service	Interruptible				
Columbia Gas	FSS-M	Firm Storage with Market-Based Rates	Firm				
Columbia Gas	MS	Merchant Sales Service	Firm or Interruptible				
Columbia Gas	IPP	Interruptible Paper Pools	Interruptible				24
Columbia Gas	ISS-M	Interruptible Storage Service with Market-Based Rates	Interruptible				
Columbia Gas	PAL	Parking and Lending Service	Interruptible				
Columbia Gas	FBS	Firm Balancing Service	Firm				
Columbia Gas	SIT	Storage in Transit Service	Interruptible				25
Columbia Gas	NTS	No Notice Transportation Service	Firm	X		X	
Columbia Gas	SST	Storage Service Transportation	Firm	X		X	26
Columbia Gas	TPS	Third Party Storage Transportation	Firm	X			
Columbia Gas	OPT	Off-Peak Firm Transportation Service	Quasi-firm				27
Columbia Gas	GTS	General Transportation Service	Firm	X	X	X	28
Columbia Gas	FTS	Firm Transportation Service	Firm				
Columbia Gas	ITS	Interruptible Transportation Service	Interruptible				
Columbia Gas	AS	Aggregation Service	Interruptible				
Columbia Gas	NTS-S	Summer Hourly No Notice Transportation Service	Firm	X		X	
Columbia Gas	FSS	Firm Storage Service	Firm				
Columbia Gulf	IPP-GULF	Interruptible Paper Pools	Interruptible				
Columbia Gulf	AS-GULF	Aggregation Service	Interruptible				
Columbia Gulf	IMS	Imbalance Management Service	Interruptible				
Columbia Gulf	PAL	Parking and Lending Service	Interruptible				
Columbia Gulf	ITS-2	Interruptible Transportation Service	Interruptible				

**Exhibit 2. Pipeline and Storage Company Rate Schedules**

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
Columbia Gulf	ITS-1	Interruptible Transportation Service	Interruptible				
Columbia Gulf	FTS-1	Firm Transportation Service	Firm				
Columbia Gulf	FTS-2	Firm Transportation Service	Firm				
Crossroads	IPP	Interruptible Paper Pools	Interruptible				
Crossroads	PALS	Parking and Lending Service	Interruptible				
Crossroads	FT-1	Firm Transportation Service	Firm				
Crossroads	IT-1	Interruptible Transportation Service	Interruptible				
Dauphin Island Gathering Partners	FT-2 (MP)	Firm Transportation Service	Firm				
Destin	FT-1	Firm Transportation Service	Firm				
Destin	FT-2	Firm Transportation Service	Firm				
Destin	IT	Interruptible Transportation Service	Interruptible				
Dominion	FT	Firm Transportation Service	Firm				
Dominion	IT	Interruptible Transportation Service	Interruptible				
Dominion	MCS	Market Center Services	Interruptible				29
Dominion	GSS	General Storage Service	Firm				
Dominion	GSS 7(c)	General Storage Service, Section 7(c)	Firm				
Dominion	GSS-E	General Storage Service - Expansion	Firm				
Dominion	ISS	Interruptible Storage Service	Interruptible				
Dominion	TTT	Title Transfer Tracking Service	Firm or Interruptible				30
Dominion	CSC	Citygate Swing Customer Service	Firm	X		X	
Dominion	MPS	Mainline Pooling Service	Firm or Interruptible				30
Dominion	USS	Unbundled Sales Service	Firm or Interruptible				31
Dominion	FTNN	Firm Transportation, No-Notice Service	Firm	X		X	32
Dominion	DPO	Delivery Point Operator Service	Firm	X		X	
Dominion Cove Point	FPS-2	5-Day Firm Peaking Service	Firm				
Dominion Cove Point	LTD-2	Interruptible LNG Tanker Discharging Service	Interruptible				
Dominion Cove Point	FPS-1	10-Day Firm Peaking Service	Firm				
Dominion Cove Point	FPS-3	3-Day Firm Peaking Service	Firm				
Dominion Cove Point	FTS	Firm Transportation Service	Firm				
Dominion Cove Point	ITS	Interruptible Transportation Service	Interruptible				
Dominion Cove Point	OTS	Off-Peak Firm Transportation Service	Quasi-Firm				33
Dominion Cove Point	TTT	Title Transfer Tracking	Firm or Interruptible				30

**Exhibit 2. Pipeline and Storage Company Rate Schedules**

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
Dominion Cove Point	LTD-1	Firm LNG Tanker Discharging Service	Firm				34
East Tennessee	IT	Interruptible Transportation Service	Interruptible	X			
East Tennessee	LMS-PA	Pooling Area Load Management Service	Firm	X			
East Tennessee	LMS-MA	Market Area Load Management Service	Firm	X			
East Tennessee	SA	Supply Aggregation Service	Firm	X			
East Tennessee	IT-L	Interruptible Lateral Transportation Service	Interruptible	X			
East Tennessee	FT-GS	Firm Transportation Service	Firm	X			35
East Tennessee	FT-L	Firm Lateral Transportation Service	Firm	X			
East Tennessee	FT-A	Firm Transportation Service	Firm	X			36
East Tennessee	LNGS	LNG Storage Service	Firm	X			
East Tennessee	PAL	Park and Loan Service	Interruptible	X			
Eastern Shore	GSS	General Storage Service	Firm				
Eastern Shore	IT	Interruptible Transportation Service	Interruptible				166
Eastern Shore	T-1	Firm Transportation Service	Firm				167
Eastern Shore	ST	Swing Transportation Service	Firm				168
Eastern Shore	CFSS	Columbia Firm Storage Service	Firm				169
Eastern Shore	FT	Firm Transportation Service	Firm				170
Eastern Shore	LGA	Liquefied Natural Gas Storage Service	Firm				171
Eastern Shore	LSS	Leidy Storage Service	Firm				172
Egan Hub Storage	FSS	Firm Storage Service	Firm				
Egan Hub Storage	NNSS	No-Notice Storage Service	Firm			X	
Egan Hub Storage	SSS	Secondary Firm Storage Service	Firm				
Egan Hub Storage	EPS	Enhanced Park Service	Interruptible				
Egan Hub Storage	ELS	Enhanced Loan Service	Interruptible				
Egan Hub Storage	IPS	Interruptible Park Service	Interruptible				
Egan Hub Storage	IWS	Interruptible Wheeling Service	Interruptible				
Egan Hub Storage	ILS	Interruptible Loan Service	Interruptible				
Egan Hub Storage	IBTS	Interruptible Imbalance Trading Service	Interruptible				
Egan Hub Storage	IBS	Interruptible Balancing Service	Interruptible				
Egan Hub Storage	SS	Sales Service	Interruptible				
Empire	FT	Firm Transportation Service	Firm	X			
Empire	IT	Interruptible Transportation Service	Interruptible	X			
Enable	FT	Firm Transportation Service	Firm				
Enable	EFT	Enhanced Firm Transportation Service	Firm	X			

**Exhibit 2. Pipeline and Storage Company Rate Schedules**

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
Enable	FT-2	Firm Transportation Service (with Minimum Flow Obligation)	Firm				151
Enable	ANS	Automatic Nomination Service	Firm or Interruptible				30
Enable	IT	Interruptible Transportation Service	Interruptible				
Enable	NNTS	No-Notice Transportation Service	Firm			X	
Enable	RSS	Reverse Storage Service	Firm			X	152
Enable	FSS	Firm Storage Service	Firm				
Enable	ISS	Interruptible Storage Service	Interruptible				
Enable	PS	Pooling Service	Interruptible				
Enable	SBS	Short-Term Balancing Service	Interruptible				153
Enable	PHS	Perryville Hub Service	Firm or Interruptible				154
Enable	USS	Unbundled Sales Service	Firm or Interruptible				155
Equitrans	GSS	General Storage Service	Firm				
Equitrans	FTSS	Firm Transportation Storage Service	Firm			X	
Equitrans	INSS	Interruptible Storage Service	Interruptible				
Equitrans	PS	Pooling Service	Interruptible				
Equitrans	LPS	Lending and Parking Service	Interruptible				
Equitrans	AGS	Appalachian Gathering Service	Interruptible				
Equitrans	SS-3	Winter Storage Service	Firm				
Equitrans	60SS	60 Day Storage Service	Firm				
Equitrans	115SS	115 Day Storage Service	Firm				
Equitrans	ITS	Interruptible Transportation Service	Interruptible				
Equitrans	FTS	Firm Transportation Service	Firm				37
Equitrans	NOFT	No-Notice Firm Transportation Service	Firm	X		X	
Equitrans	STS-1	Transportation Service	Firm				
Fayetteville Express	FTS	Firm Transportation Service	Firm				
Fayetteville Express	ITS	Interruptible Transportation Service	Interruptible				
Fayetteville Express	HAT	Hub Area Transportation Service	Interruptible				38
Fayetteville Express	PALS	Interruptible Park and Loan Service	Interruptible				
Florida Gas	ITS-1	Interruptible Transportation Service	Interruptible				
Florida Gas	FTS-WD	Firm Transportation Service - Western Division	Firm	X			
Florida Gas	ITS-WD	Interruptible Transportation Service - Western Division	Interruptible				



**Exhibit 2. Pipeline and Storage Company Rate Schedules**

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

<b>Pipeline/Storage Operator</b>	<b>Rate Schedule</b>	<b>Rate Schedule Name</b>	<b>Character of Service</b>	<b>Hourly Flexibility (Contractual)</b>	<b>Bundled Service</b>	<b>No-Notice Service</b>	<b>Notes</b>
Florida Gas	IPS	In-Line Pooling Transportation Service	Interruptible				
Florida Gas	SFTS	Small Customer Firm Transportation Service	Firm				
Florida Gas	FTS-3	Firm Transportation Service	Firm				
Florida Gas	FTS-2	Firm Transportation Service	Firm				
Florida Gas	FTS-1	Firm Transportation Service	Firm				39
Florida Gas	PNR	Interruptible Park 'N Ride Service	Interruptible				
Florida Gas	NNTS	No Notice Transportation Service	Firm			X	40
Golden Triangle Storage	FSS	Firm Storage Service	Firm				
Golden Triangle Storage	FP	Firm Parking Service	Firm				
Golden Triangle Storage	FL	Firm Loan Service	Firm				
Golden Triangle Storage	IP	Interruptible Parking Service	Interruptible				
Golden Triangle Storage	IW	Interruptible Wheeling Service	Interruptible				
Golden Triangle Storage	IL	Interruptible Loan Service	Interruptible				
Golden Triangle Storage	IHBS	Interruptible Hourly Balancing Service	Interruptible				
Golden Triangle Storage	ISS	Interruptible Storage Service	Interruptible				
Granite State	FT-NN	No-Notice Firm Transportation Service	Firm			X	
Granite State	IT-1	Interruptible Transportation Service	Interruptible				
Granite State	FT-1	Firm Transportation Service	Firm				
Granite State	LMS	Load Management Service	Firm				
Great Lakes	FT	Firm Transportation Service	Firm				
Great Lakes	EFT	Expedited Firm Transportation Service	Firm	X		X	
Great Lakes	LFT	Limited Firm Transportation Service	Quasi-firm				41
Great Lakes	IT	Interruptible Transportation Service	Interruptible				
Great Lakes	MC	Market Center Services	Interruptible				42
Guardian	LBS	Load Balancing Service	Quasi-firm				156
Guardian	OSS	Off-System Storage Service	Quasi-firm				157
Guardian	IT-2	Interruptible Transportation Service	Interruptible				159
Guardian	IT-1	Interruptible Transportation Service	Interruptible				158
Guardian	MA	Market Aggregation Service	Interruptible				
Guardian	PAL	Parking and Lending Service	Interruptible				

**Exhibit 2. Pipeline and Storage Company Rate Schedules**

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Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
Guardian	EAW	Enhanced Aggregation and Wheeling Service	Firm or Interruptible				
Guardian	FT-1	Firm Transportation Service	Firm				158
Guardian	FT-2	Firm Transportation Service	Firm				159
Gulf Crossing	FTS	Firm Transportation Service	Firm				
Gulf Crossing	ITS	Interruptible Transportation Service	Interruptible				
Gulf Crossing	PAL	Parking and Lending Service	Interruptible				
Gulf Crossing	EFT	Enhanced Firm Transportation Service	Firm	X			160
Gulf Crossing	PS	Pooling Service	Interruptible				
Gulf South	FTS	Firm Transportation Service	Firm				
Gulf South	NNS	No-Notice Service	Firm		X	X	
Gulf South	ITS	Interruptible Transportation Service	Interruptible				
Gulf South	FSS-B	Firm Storage Service - Bistineau	Firm				
Gulf South	ISS	Interruptible Storage Service	Interruptible				
Gulf South	GS	General Sales	Firm or Interruptible				
Gulf South	PAL	Parking and Lending Service	Interruptible				
Gulf South	EFT	Enhanced Firm Transportation Service		X			160
Gulf South	PXS	Perryville Exchange Service	Interruptible				
Gulf South	ENS	Enhanced Nomination Service	Firm				161
Gulf South	PS	Pooling Service	Firm or Interruptible				162
Gulf South	ATS	Aggregation Trading Service	Firm				
Hardy Storage	HSS	Hardy Storage Service	Firm				
Hardy Storage	IHSS	Interruptible Hardy Storage Service	Interruptible				
Honeoye Storage	PNFSS	Priority Non-Firm Storage Service	Quasi-firm				43
Honeoye Storage	ISS	Interruptible Storage Service	Interruptible				
Honeoye Storage	PAL	Interruptible Parking and Lending Service	Interruptible				
Honeoye Storage	FSS	Firm Storage Service	Firm				
Horizon	FTS	Firm Transportation Service	Firm	X			44
Horizon	ITS	Interruptible Transportation Service	Interruptible				
Iroquois	RTS	Firm Reserved Transportation Service	Firm	X			45
Iroquois	HUB	Hub Service	Interruptible	X			46
Iroquois	ITS	Interruptible Transportation Service	Interruptible	X			
Iroquois	PAL	Park and Loan Service	Interruptible	X			
KM Illinois	FTS	Firm Transportation Service	Firm				47, 48

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Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
KM Illinois	ITS	Interruptible Transportation Service	Interruptible				
KM Louisiana	FTS	Firm Transportation Service	Firm				
KM Louisiana	ITS	Interruptible Transportation Service	Interruptible				
KO	FTS	Firm Transportation Service	Firm				49
KO	ITS	Interruptible Transportation Service	Interruptible				
LA Storage	FT	Firm Transportation Service	Firm				
LA Storage	IT	Interruptible Transportation Service	Interruptible				
LA Storage	IP	Interruptible Parking Service	Interruptible				
LA Storage	IW	Interruptible Wheeling Service	Interruptible				
LA Storage	IL	Interruptible Loan Service	Interruptible				
LA Storage	IBT	Interruptible Imbalance Trading Service	Interruptible				
LA Storage	IB	Interruptible Balancing Service	Interruptible				
Leaf River Storage	FSS	Firm Storage Service	Firm				
Leaf River Storage	NNSS	No-Notice Storage Service	Firm			X	
Leaf River Storage	FP	Firm Parking Service	Firm				
Leaf River Storage	FL	Firm Loan Service	Firm				
Leaf River Storage	ISS	Interruptible Storage Service	Interruptible				
Leaf River Storage	IHBS	Interruptible Hourly Balancing Service	Interruptible	X			
Leaf River Storage	IP	Interruptible Parking Service	Interruptible				
Leaf River Storage	IW	Interruptible Wheeling Service	Interruptible				
Leaf River Storage	IL	Interruptible Loan Service	Interruptible				
M&N	MN90	90 Day Firm Transportation Service	Firm				50
M&N	MNOP	Off-Peak Firm Transportation Service	Firm				51
M&N	MNLFT	Firm Transportation Service on Lateral Line	Firm				
M&N	MNIT	Interruptible Transportation Service	Interruptible				
M&N	MNPAL	Park and Loan Service	Interruptible				
M&N	MNTTT	Title Transfer Tracking Service	Interruptible				
M&N	MNTAB S	Transportation Aggregation Balancing Service	Firm or Interruptible				52
M&N	MN151	151 Day Firm Transportation Service	Firm				53
M&N	MN365	365 Day Firm Transportation Service	Firm				54
Midcontinent Express	FTS	Firm Transportation Service	Firm				

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Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
Midcontinent Express	ITS	Interruptible Transportation Service	Interruptible				
Midcontinent Express	PALS	Interruptible Park and Loan Service	Interruptible				
Midcontinent Express	IBS	Interruptible Balancing Service	Interruptible			X	173
Midwestern	FT-A	Firm Transportation Service	Firm				
Midwestern	PAL	Park and Loan Service	Interruptible				
Midwestern	IT	Interruptible Transportation Service	Interruptible				
Midwestern	FPAL	Firm Park and Loan Service	Firm				
Midwestern	FT-GS	Firm Transportation Service Small Customers	Firm				
Midwestern	FT-D	Firm Transportation Service (Conditional)	Firm				55
Midwestern	FT-B	Firm Transportation Service	Firm				56
Midwestern	SA	Supply Aggregation Service	Firm or Interruptible				
Midwestern	FT-C	Firm Transportation Service (Conditional)	Firm				57
Midwestern	TPB	Third Party Balancing Service	Firm or Interruptible				
Midwestern	LMS-PA	Load Management Service - Receipt Points	Firm or Interruptible				
Midwestern	LMS-MA	Load Management Service - Delivery Points	Firm or Interruptible				
Millennium	IPP	Interruptible Paper Pools	Interruptible				
Millennium	FT-1	Firm Transportation Service	Firm				
Millennium	FT-2	Firm Transportation Service	Quasi-firm				58
Millennium	BH-1	Backhaul Transportation Service	Firm				59
Millennium	HT-1	Hourly Transportation Service	Firm	X			60
Millennium	IT-1	Interruptible Transportation Service	Interruptible				
Millennium	PALS	Parking and Lending Service	Interruptible				
Mississippi Hub Storage	FSS	Firm Storage Service	Firm				
Mississippi Hub Storage	ISS	Interruptible Storage Service	Interruptible				
Mississippi Hub Storage	IP	Interruptible Parking Service	Interruptible				
Mississippi Hub Storage	IW	Interruptible Wheeling Service	Interruptible				
Mississippi Hub Storage	IL	Interruptible Loan Service	Interruptible				
Mississippi Hub Storage	IBT	Interruptible Imbalance Trading Service	Interruptible				
Mississippi Hub Storage	IB	Interruptible Balancing Service	Interruptible				

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<b>Pipeline/Storage Operator</b>	<b>Rate Schedule</b>	<b>Rate Schedule Name</b>	<b>Character of Service</b>	<b>Hourly Flexibility (Contractual)</b>	<b>Bundled Service</b>	<b>No-Notice Service</b>	<b>Notes</b>
Mississippi River	PALS	Park and Loan Service	Interruptible				61
Mississippi River	ISS	Interruptible Storage Service	Interruptible				
Mississippi River	NNT	No Notice Transportation Service	Firm	X		X	62
Mississippi River	FSS	Firm Storage Service	Firm				
Mississippi River	ITS	Interruptible Transportation Service	Interruptible				
Mississippi River	FTS	Firm Transportation Service	Firm				
Mississippi River	STC	Small Customer Transportation Service	Firm				
MoGas	IT	Interruptible Transportation Service	Interruptible	X			
MoGas	FT	Firm Transportation Service	Firm	X			63
Monroe Storage	IBTS	Interruptible Imbalance Trading Service	Interruptible	X			
Monroe Storage	IBS	Interruptible Balancing Service	Interruptible	X			
Monroe Storage	IWS	Interruptible Wheeling Service	Interruptible	X			64
Monroe Storage	ILS	Interruptible Loan Service	Interruptible	X			
Monroe Storage	IPS	Interruptible Parking Service	Interruptible	X			
Monroe Storage	ELS	Enhanced Interruptible Loan Service	Interruptible	X			
Monroe Storage	EPS	Enhanced Interruptible Parking Service	Interruptible	X			
Monroe Storage	ISS	Interruptible Storage Service	Interruptible	X			
Monroe Storage	FSS	Firm Storage Service	Firm	X			65
NFG	IAS	Interruptible Advance Service	Interruptible				72
NFG	FT	Firm Transportation Service	Firm				
NFG	FT-S	Firm Transportation Service - Seasonal	Firm				73
NFG	EFT	Enhanced Firm Transportation Service	Firm	X		X	
NFG	SFT	Firm Storage Transportation Service	Firm				
NFG	IR-2	Imbalance Resolution Schedule - Hub Service	Interruptible			X	74
NFG	PTR	Plant Thermal Reduction Transportation Service	Firm or Interruptible				75
NFG	P-1	Parking Schedule - Hub Service	Interruptible			X	76
NFG	FSS	Firm Storage Service	Firm				
NFG	ESS	Enhanced Storage Service	Firm	X		X	
NFG	ISS	Interruptible Storage Service	Interruptible				
NFG	W-1	Wheeling Schedule - Hub Service	Interruptible				77
NFG	IT	Interruptible Transportation Service	Interruptible				

**Exhibit 2. Pipeline and Storage Company Rate Schedules**

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Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
NFG	IR-1	Imbalance Resolution Schedule - Hub Service	Interruptible			X	78
NFG	P-2	Parking Schedule - Hub Service	Interruptible			X	79
NFG	SS-1	110-Day Underground Storage Service	Firm				
NGPL	IBS	Interruptible Balancing Service	Interruptible			X	173
NGPL	LPS	Line Pack Service (Park and Loan)	Interruptible				66
NGPL	FTS-G	Firm Transportation Service for Former G-1 Buyers	Firm	X			70
NGPL	FRSS	Firm Reverse Storage Service	Firm		X	X	67
NGPL	FFTS	Flexible Firm Transportation Service	Firm	X			68, 70
NGPL	NSS	Nominated Firm Storage Service	Firm				69
NGPL	PALS	Park and Loan Service	Interruptible				
NGPL	FTS	Firm Transportation Service	Firm	X		X	69, 70
NGPL	ITS	Interruptible Transportation Service	Interruptible				
NGPL	DSS	Delivered Firm Storage Service	Firm	X	X	X	71, 72
NGPL	BESS	Best Efforts Storage Service	Interruptible				
NGO	FSS	Firm Storage Service	Firm				80
NGO	ITS	Interruptible Transportation Service	Interruptible				
NGO	FTS	Firm Transportation Service	Firm				
NGO	ISS	Interruptible Storage Service	Interruptible				80
NGO	NNS	No Notice Service	Firm	X	X	X	81
Northern Border	T-1B	Firm Backhaul Service	Firm				
Northern Border	ITL-1	Interruptible Transportation Lateral Service	Interruptible				
Northern Border	FCS-DP	Firm Compression Service - Des Plaines	Firm				
Northern Border	ICS-DP	Interruptible Compression Service - Des Plaines	Interruptible				
Northern Border	PAL	Park and Loan Service	Interruptible				
Northern Border	TPB	Third Party Balancing Service	Firm				
Northern Border	FTL-1	Firm Transportation Lateral Service	Firm				82
Northern Border	IT-1	Interruptible Transportation Service	Interruptible				
Northern Border	T-1	Firm Service	Firm				
Northern Natural	TI	Interruptible Throughput Service	Interruptible				
Northern Natural	TF	Firm Throughput Services	Firm				83
Northern Natural	TFX	Firm Throughput Service	Firm				84
Northern Natural	GS-T	General Service - Throughput	Firm				85

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Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

<b>Pipeline/Storage Operator</b>	<b>Rate Schedule</b>	<b>Rate Schedule Name</b>	<b>Character of Service</b>	<b>Hourly Flexibility (Contractual)</b>	<b>Bundled Service</b>	<b>No-Notice Service</b>	<b>Notes</b>
Northern Natural	FDD	Firm Deferred Delivery Service	Firm				86
Northern Natural	PDD	Preferred Deferred Delivery Service	Interruptible				
Northern Natural	IDD	Interruptible Deferred Delivery Service	Interruptible				
Northern Natural	SMS	System Management Service	Firm			X	87
Northern Natural	SF	Supply	Firm or Interruptible				31
Northern Natural	MPS	MID Pooling Service	Firm or Interruptible				30
Northern Natural	CS-1	Sublette Compression Service	Firm				88
Northern Natural	LFT	Limited Firm Throughput Service	Quasi-firm				89
Ozark	FTS	Firm Transportation Service	Firm				
Ozark	FSS	Firm Storage Service	Firm				163
Ozark	ITS	Interruptible Transportation Service	Interruptible				
Ozark	PAL	Park and Loan Service	Interruptible				
Ozark	NNS	No-Notice Service	Firm			X	164
Ozark	TABS	Transportation Aggregation Balancing Service	Firm or Interruptible				165
Panhandle Eastern	LFT	Limited Firm Transportation Service	Quasi-firm	X			89, 90
Panhandle Eastern	FT	Firm Transportation Service	Firm				
Panhandle Eastern	SCT	Small Customer Transportation Service	Firm	X			90
Panhandle Eastern	FS	Flexible Storage Service	Firm				91
Panhandle Eastern	HFT	Hourly Firm Transportation Service	Firm				92
Panhandle Eastern	IOS	In/Out Storage Service	Firm				93
Panhandle Eastern	WS	Winter Storage Service	Firm				94
Panhandle Eastern	PS	Peaking Storage Service	Firm				95
Panhandle Eastern	DVS	Daily Variance Service	Firm				
Panhandle Eastern	EIT	Enhanced Interruptible Transportation Service	Interruptible	X			90
Panhandle Eastern	IIOS	Interruptible In/Out Storage Service	Interruptible				
Panhandle Eastern	IWS	Interruptible Winter Storage Service	Interruptible				
Panhandle Eastern	GPS	Gas Parking Service	Interruptible				96
Panhandle Eastern	GDS	General Delivery Service	Firm	X		X	97
Panhandle Eastern	TBS	Transportation Balancing Service	Firm				98
Panhandle Eastern	EFT	Enhanced Firm Transportation Service	Firm	X			90
Panhandle Eastern	IT	Interruptible Transportation Service	Interruptible				
Perryville Storage	FSS	Firm Storage Service	Firm				

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<b>Pipeline/Storage Operator</b>	<b>Rate Schedule</b>	<b>Rate Schedule Name</b>	<b>Character of Service</b>	<b>Hourly Flexibility (Contractual)</b>	<b>Bundled Service</b>	<b>No-Notice Service</b>	<b>Notes</b>
Perryville Storage	ISS	Interruptible Storage Service	Interruptible				
Perryville Storage	IPS	Interruptible Parking Service	Interruptible				
Perryville Storage	ILS	Interruptible Loan Service	Interruptible				
Perryville Storage	IWS	Interruptible Wheeling Service	Interruptible				
Perryville Storage	IBTS	Interruptible Imbalance Trading Service	Interruptible				
Perryville Storage	IBS	Interruptible Balancing Service	Interruptible				
Petal Storage	FSS	Firm Storage Service	Firm				
Petal Storage	FSS-1	Firm Storage Service	Firm				174
Petal Storage	ISS	Interruptible Storage Service	Interruptible				
Petal Storage	AVS	Advancing Service	Interruptible				175
Petal Storage	FTS	Firm Transportation Service	Firm				
Petal Storage	ITS	Interruptible Transportation Service	Interruptible				
Petal Storage	PKS	Parking Service	Interruptible				
Pine Needle LNG	LNG-1	Natural Gas Liquefaction, Storage and Delivery Service	Firm				99
Pine Needle LNG	LNG-2	Natural Gas Liquefaction and Terminal Delivery	Interruptible				100
Pine Prairie Storage	FSS	Firm Storage Service	Firm				
Pine Prairie Storage	NNSS	No-Notice Storage Service	Firm			X	
Pine Prairie Storage	FP	Firm Parking Service	Firm				
Pine Prairie Storage	FL	Firm Loan Service	Firm				
Pine Prairie Storage	EW	Enhanced Wheeling Service	Interruptible				176
Pine Prairie Storage	ISS	Interruptible Storage Service	Interruptible				
Pine Prairie Storage	IP	Interruptible Parking Service	Interruptible				
Pine Prairie Storage	IW	Interruptible Wheeling Service	Interruptible				
Pine Prairie Storage	IL	Interruptible Loan Service	Interruptible				
Pine Prairie Storage	IB	Interruptible Balancing Service	Interruptible				
PNGTS	HRS	Hourly Reserve Service	Firm	X			101
PNGTS	FT	Firm Transportation Service	Firm				
PNGTS	IT	Interruptible Transportation Service	Interruptible				
PNGTS	PAL	Park and Loan Service	Interruptible				
PNGTS	FT-FLEX	Limited Firm Transportation Service	Quasi-firm				89
Rager Mountain Storage	ISS	Interruptible Storage Service	Interruptible				
Rager Mountain Storage	FSS	Firm Storage Service	Firm				
Rockies Express	IBS	Interruptible Balancing Service	Interruptible				
Rockies Express	PALS	Park and Loan Service	Interruptible				
Rockies Express	ITS	Interruptible Transportation Service	Interruptible				



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Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
Rockies Express	BHS	Backhaul Transportation Service	Firm				102
Rockies Express	FTS	Firm Transportation Service	Firm				
Rockies Express	PAWS	Pooling and Wheeling Service	Interruptible				103
Sabine	FT-1	Firm Transportation Service	Firm				
Sabine	IT-1	Interruptible Transportation Service	Interruptible				
Saltville Storage	IPS	Interruptible Park Service	Interruptible	X			
Saltville Storage	ILS	Interruptible Loan Service	Interruptible	X			
Saltville Storage	ISS	Interruptible Storage Service	Interruptible	X			
Saltville Storage	FSS	Firm Storage Service	Firm	X			104
SG Resources Mississippi Storage	FSS	Firm Storage Service	Firm				
SG Resources Mississippi Storage	SFS	Secondary Firm Storage Service	Firm				
SG Resources Mississippi Storage	ISS	Interruptible Storage Service	Interruptible				
SG Resources Mississippi Storage	IP	Interruptible Parking Service	Interruptible				
SG Resources Mississippi Storage	IW	Interruptible Wheeling Service	Interruptible				
SG Resources Mississippi Storage	IL	Interruptible Loan Service	Interruptible				
SG Resources Mississippi Storage	IB	Interruptible Balancing Service	Interruptible				
Southeast Supply Header	FTS	Firm Transportation Service	Firm				
Southeast Supply Header	ITS	Interruptible Transportation Service	Interruptible				
Southeast Supply Header	PALS	Parking and Lending Service	Interruptible				
Southern	FT	Firm Transportation Service	Firm	X			105
Southern	PAL	Park and Loan Services	Interruptible				
Southern	ISS	Interruptible Storage Service	Interruptible				
Southern	CSS	Contract Storage Service	Firm				
Southern	IT	Interruptible Transportation Service	Interruptible				
Southern	FT-NN	Firm Transportation Service - No Notice	Firm	X	X	X	105, 106
Southern Star Central	PAS	Production Area Sales Service	Firm or Interruptible				31
Southern Star Central	STS	Small Customer TransStorage Service	Firm	X	X	X	107
Southern Star Central	SFT	Small Customer Firm Transportation Service	Firm				
Southern Star Central	ITS	Interruptible Transportation Service	Interruptible				
Southern Star Central	FSS	Firm Storage Service	Firm				
Southern Star Central	ISS	Interruptible Storage Service	Interruptible				

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<b>Pipeline/Storage Operator</b>	<b>Rate Schedule</b>	<b>Rate Schedule Name</b>	<b>Character of Service</b>	<b>Hourly Flexibility (Contractual)</b>	<b>Bundled Service</b>	<b>No-Notice Service</b>	<b>Notes</b>
Southern Star Central	TSS	Trans-Storage Service	Firm	X	X	X	107
Southern Star Central	PLS	Parking and Loan Service	Interruptible				
Southern Star Central	FTS	Firm Transportation Service	Firm				
Southern Star Central	IS1	Interruptible Storage Service with Market-Based Rates	Interruptible				
Southern Star Central	FS1	Firm Storage Service with Market-Based Rates	Firm				108
Southern Star Central	PS	Pooling Service	Firm or Interruptible				30
Southwest Storage	FSS	Firm Storage Service	Firm				
Southwest Storage	ISS	Interruptible Storage Service	Interruptible				
Steckman Ridge Storage	EPS	Enhanced Park Service	Interruptible				109
Steckman Ridge Storage	ILS	Interruptible Loan Service	Interruptible				
Steckman Ridge Storage	ELS	Enhanced Loan Service	Interruptible				109
Steckman Ridge Storage	ISS	Interruptible Storage Service	Interruptible				
Steckman Ridge Storage	FSS	Firm Storage Service	Firm				
Steckman Ridge Storage	IPS	Interruptible Park Service	Interruptible				
Tennessee	FT-A	Firm Transportation Service	Firm				110
Tennessee	TTT	Title Transfer Tracking Service	NA				110
Tennessee	LMS-PA	Load Management Service - Pooling Area	Firm or Interruptible				30, 110
Tennessee	SA	Supply Aggregation Service	Firm				110
Tennessee	LMS-MA	Load Management Service - Market Area	Firm or Interruptible			X	30, 110, 111
Tennessee	IS	Interruptible Storage Service	Interruptible				110
Tennessee	FS	Firm Storage Service	Firm				110
Tennessee	PTR	PTR Transportation Service	Firm or Interruptible				75, 110
Tennessee	PAL	Park and Loan Service	Interruptible				110
Tennessee	NET-284	Net 284 Rate Schedule	Firm				112
Tennessee	FT-IL	Firm Transportation Incremental Lateral Service	Firm				110
Tennessee	FT-GS	Small Customer Transportation Service	Firm			X	110, 113
Tennessee	FT-BH	Firm Transportation Backhaul Service	Firm				102, 110
Tennessee	NET	Net Rate Schedule	Firm				114
Tennessee	FT-G	Small Customer Transportation Service	Firm				110, 113
Tennessee	IT	Interruptible Transportation Service	Interruptible				110
Texas Eastern	PAL	Park and Loan Service	Interruptible				
Texas Eastern	FT-1	Firm Transportation Service	Firm	X			115

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Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
Texas Eastern	SCT	Small Customer Transportation Service	Firm	X		X	
Texas Eastern	IT-1	Interruptible Transportation Service	Interruptible				
Texas Eastern	LLFT	Lebanon Lateral Firm Transportation Service	Firm				
Texas Eastern	LLIT	Lebanon Lateral Interruptible Transportation Service	Interruptible				
Texas Eastern	VKFT	Viosca Knoll Firm Transportation Service	Firm				116
Texas Eastern	VKIT	Viosca Knoll Interruptible Transportation Service	Interruptible				116
Texas Eastern	MLS-1	Market Lateral Service	Firm or Interruptible	X			117
Texas Eastern	TABS-1	Transportation Aggregation Balancing Service	Firm or Interruptible				30
Texas Eastern	CDS	Comprehensive Delivery Service	Firm	X		X	
Texas Eastern	MBA	Market Balancing Aggregation	Firm or Interruptible				30
Texas Eastern	FTS-5	Firm Transportation Service	Firm				118
Texas Eastern	SS-1	Storage Service	Firm	X	X	X	
Texas Eastern	FSS-1	Storage Service	Firm			X	
Texas Eastern	ISS-1	Interruptible Storage Service	Interruptible				
Texas Eastern	FTS	Firm Transportation Service	Firm				
Texas Eastern	FTS-2	Firm Transportation Service	Firm				119
Texas Eastern	FTS-4	Firm Transportation Service	Firm				
Texas Eastern	FTS-7	Firm Transportation Service	Firm				118, 120
Texas Eastern	SS	Storage Service	Firm				121
Texas Eastern	TABS-2	Transportation Aggregation Balancing Service	Firm or Interruptible				122
Texas Eastern	FTS-8	Firm Transportation Service	Firm				118, 123
Texas Gas	STF	Short-Term Firm Transportation Service	Firm				
Texas Gas	EFT	Enhanced Firm Transportation Service	Firm	X			124
Texas Gas	NNS	No-Notice Firm Transportation Service	Firm	X	X	X	124
Texas Gas	NNL	No-Notice Firm Transportation Service	Firm	X	X	X	124, 125
Texas Gas	SGT	Small Customer General Firm Transportation Service	Firm	X	X	X	124
Texas Gas	SGL	Small Customer General Firm Transportation Service	Firm	X	X	X	124, 125
Texas Gas	FT	Firm Transportation Service	Firm				
Texas Gas	ENS	Enhanced Nomination Service	Firm	X			126
Texas Gas	WNS	Winter No-Notice Service	Firm	X	X	X	124
Texas Gas	FSS	Firm Storage Service	Firm				
Texas Gas	ISS	Interruptible Storage Service	Interruptible				

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Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
Texas Gas	TAPS	Transportation Aggregation Pooling Service	Firm or Interruptible				30
Texas Gas	PAL	Parking and Loan Service	Interruptible				
Texas Gas	HOT	Hourly Overrun Transportation Service	Interruptible	X			127
Texas Gas	FSS-M	Firm Storage Service with Market-Based Rates	Firm				
Texas Gas	ISS-M	Interruptible Storage Service with Market-Based Rates	Interruptible				
Texas Gas	SNS	Summer No-Notice Service	Firm	X	X	X	124, 128
Texas Gas	IT	Interruptible Transportation Service	Interruptible				
Tiger	FTS	Firm Transportation Service	Firm				
Tiger	ITS	Interruptible Transportation Service	Interruptible				
Tiger	PALS	Park and Loan Service	Interruptible				
Total Peaking Services Storage	LSV	Firm Liquefaction, Storage and Vaporization Service	Firm				
Total Peaking Services Storage	LNG-I	Interruptible LNG Storage Service	Interruptible				
Total Peaking Services Storage	LSV-I	Interruptible Liquefaction, Storage and Vaporization Service	Interruptible				
Total Peaking Services Storage	LNG	Firm LNG Storage Service	Firm				129
Transco	IDLS	Interruptible Delivery Lateral Service	Interruptible				
Transco	EESWS	Emergency Eminence Storage Withdrawal Service	Firm				
Transco	LNG	Liquefied Natural Gas Storage	Firm				130
Transco	ISS	Interruptible Storage Service	Interruptible				
Transco	GSS	General Storage Service	Firm				
Transco	LSS	Leidy Storage Service	Firm				131
Transco	SS-2	Storage Service	Firm				132
Transco	FT	Firm Transportation Service	Firm				
Transco	FT-G	Firm Transportation Service	Firm				133
Transco	FTN	Firm Transportation Notice Service	Firm				134
Transco	S-2	Storage Service - Zone 6	Firm				135
Transco	WSS-Open Access	Washington Storage Service - Open Access	Firm				
Transco	FDLS	Firm Delivery Lateral Service	Firm	X			
Transco	ESS	Eminence Storage Service	Firm				
Transco	IT	Interruptible Transportation Service	Interruptible				
Transco	ICTS	Interconnect Transfer Service	Interruptible				136
Transco	NS	Negotiated Sales Service	Firm or Interruptible				31

**Exhibit 2. Pipeline and Storage Company Rate Schedules**

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
Transco	Pooling	Pooling Service	Firm or Interruptible				30
Transco	PAL	Parking and Loaning Service	Interruptible				
Transco	LG-S	Liquefied Natural Gas Delivery - At Site (Carlstadt, NJ)	Interruptible				137
Transco	LG-A	Liquefied Natural Gas Storage Service (Upstream of Carlstadt, NJ)	Firm				
Trans-Union	FT	Firm Transportation Service	Firm				
Trans-Union	IT	Interruptible Transportation Service	Interruptible				
Trunkline	QNT	Quick Notice Interruptible Transportation	Interruptible				138
Trunkline	SST	Small Shipper Transportation	Firm				
Trunkline	EFT	Enhanced Firm Transportation	Firm	X			139
Trunkline	FT	Firm Transportation	Firm				
Trunkline	ISS	Interruptible Storage Service	Interruptible				
Trunkline	FSS	Firm Storage Service	Firm				
Trunkline	IT	Interruptible Transportation	Interruptible				
Trunkline	DVS	Delivery Variance Service	Firm				
Trunkline	TABS-1	Transportation Aggregation Balancing Service	NA				
Trunkline	NNS-2	No Notice Service	Firm			X	140
Trunkline	NNS-1	No Notice Service	Firm			X	141
Trunkline	QNT	Quick Notice Transportation	Firm	X			138
Trunkline	LFT	Limited Firm Transportation	Quasi-firm	X			89, 139
Trunkline	GPS	Gas Parking Service	Interruptible	X			96
Trunkline LNG	FTS	Firm Terminal Service	Firm				
Trunkline LNG	FTS-2	Firm Terminal Service	Firm				
Trunkline LNG	FAV	Firm Alternate Vaporization	Firm				
Trunkline LNG	ITS	Interruptible Terminal Service	Interruptible				
Trunkline LNG	ITS-2	Interruptible Terminal Service	Interruptible				
Trunkline LNG	IAV	Interruptible Alternate Vaporization	Interruptible				
Trunkline LNG	LLS	LNG Lending Service	Interruptible				
UGI LNG	LF-F	Natural Gas Liquefaction and Terminal Delivery	Firm				142
UGI LNG	LNG-F	Firm Natural Gas Liquefaction, Storage and Delivery Service	Firm				
UGI LNG	LF-I	Interruptible Natural Gas Liquefaction and Terminal Delivery	Interruptible				
UGI LNG	LNG-I	Interruptible Natural Gas Liquefaction, Storage and Delivery Service	Interruptible				

**Exhibit 2. Pipeline and Storage Company Rate Schedules**

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

Pipeline/Storage Operator	Rate Schedule	Rate Schedule Name	Character of Service	Hourly Flexibility (Contractual)	Bundled Service	No-Notice Service	Notes
UGI Storage	IWS	Interruptible Wheeling Service	Interruptible				143
UGI Storage	NNSS	No-Notice Storage Service	Firm			X	144
UGI Storage	FSS	Firm Storage Service	Firm				
UGI Storage	ISS	Interruptible Storage Service	Interruptible				
USG	IT	Interruptible Transportation Service	Interruptible				
USG	FT	Firm Transportation Service	Firm				
Vector	PALS-1	Park and Loan Service	Interruptible				
Vector	FT-L	Limited Firm Transportation Service	Quasi-firm				89
Vector	MBA	Management of Balancing Agreement Service	Firm or Interruptible	X			30, 145
Vector	IT-1	Interruptible Transportation Service	Interruptible				
Vector	TTS	Title Transfer Service	Firm or Interruptible				30
Vector	FT-H	Hourly Firm Transportation Service	Firm	X			145, 146
Vector	FT-1	Firm Transportation Service	Firm				
Viking	AOT	Interruptible Transportation Service	Interruptible				147
Viking	PAL	Park and Loan Service	Interruptible				
Viking	LMS	Load Management Service	NA				
Viking	IT	Interruptible Transportation Service	Interruptible				
Viking	FT-A	Firm Transportation Service	Firm				
WBI Energy	PAL-1	Park and Loan Service	Interruptible				
WBI Energy	IS-1	Interruptible Storage Service	Interruptible				
WBI Energy	FS-1	Firm Storage Service	Firm				
WBI Energy	IT-1	Interruptible Transportation Service	Interruptible				
WBI Energy	FTN-1	No-Notice Firm Transportation Service	Firm	X		X	148
WBI Energy	FT-1	Firm Transportation Service	Firm				149
Wyckoff Storage	ISS	Interruptible Storage Service	Interruptible	X		X	150
Wyckoff Storage	FSS	Firm Storage Service	Firm	X		X	150

- 1- Available to Columbia Gas Transmission Corp.
- 2- Applicable to laterals; Canal Lateral, Middletown Lateral, Cleary Lateral, Lake Road Lateral, Brayton Point Lateral, Bellingham Lateral, Phelps Dodge Lateral, Manchester Street Lateral, Cape Cod Lateral, Northeast Gateway Lateral, J-2 Facility, and Kleen Energy Lateral.
- 3- Provides delivery point flexibility within ACE Hub (Chicago area)
- 4- Shipper may specify multiple primary delivery points, up to an aggregate 150% of contracted transportation quantities
- 5- Available with the ACE Hub (Chicago area)
- 6- Shipper must also have transportation service to use storage service; shipper has option for flexible entitlements, allowing injection during winter period and withdrawal during summer period
- 7- Interruptible storage service; shipper must withdraw all gas within 45 days if so notified.
- 8- Character of service (firm vs. interruptible) matches entitlements of downstream shippers

## Exhibit 2. Pipeline and Storage Company Rate Schedules

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

- 9- Shipper must have both firm storage and transportation entitlements with ANR
- 10- Allows for imbalance between nominations and takes by up to the nominated quantities of storage injection or withdrawal
- 11- Generally applicable to Joliet Hub or Lebanon Hub
- 12- Service is offered at limited number of points, but list of available points is fairly long, and includes some power plants
- 13- ANR may issue Must Flow Order to provide FTS-4L service requiring shipper to nominate up to its MDQ
- 14- May specify MHQ up to 1/4 of MDQ; shipper has 2-hr notice option to start-up or shut-down service; shipper has enhanced variance option that allows difference between gas tendered and taken of up to 25% of MDQ (seems to act like Park and Loan service, but with transportation)
- 15- Firm for all but 10 days per month; contract MDQ may be reduced to meet service request under FTS-1
- 16- Hourly takes limited to 1/16 MDQ on 2-hr notice; rate includes flexible receipt and delivery points
- 17- Applies to legacy customers of Steuben Gas Storage
- 18- For moving gas between Tennessee, Millennium and Dominion
- 19- "Enhanced" interruptible takes priority over interruptible; includes capacity charge
- 20- For moving gas on Bluewater's pipelines between ANR, Great Lakes Gas, Vector, Michigan Consolidated Gas, Consumers Energy and Union Gas
- 21- "Advanced" interruptible service has scheduling priority over interruptible
- 22- Transportation service is between Tennessee and Transco
- 23- Wheeling service appears to be between Tennessee and Millennium
- 24- Accounting service for pooled receipts
- 25- Uses storage to provide balancing for transportation services
- 26- Service is no-notice only when primary receipt point (Columbia storage) is being utilized
- 27- Subject to either 30 or 60 days of interruption during winter season
- 28- Bundled storage and transportation, appears tailored to LDCs
- 29- Service includes balancing and wheeling
- 30- Character and priority of service derives from associated service agreement
- 31- Character and priority of service by agreement
- 32- No-notice service only available up to customer's firm storage service entitlements
- 33- Subject to up to 30 days of interruption each year
- 34- Includes ISQ service. ISQ service may be interrupted for Cove Point to provide Firm Peaking Service to other customers
- 35- Available to small customers formerly taking service under Rate Schedules GS or SGS (prior to Order 636)
- 36- Hourly flexibility supported by contract through hourly nominations, but only available from 10 p.m. to 8 a.m.
- 37- Tariff is silent with regard to hourly flexibility, but does mention that electric generating facility must provide hourly quantity profile in its daily nomination, thus suggesting significant flexibility
- 38- Hub Area includes interconnections with NGPL, TGT, ANR and Trunkline in Arkansas and Mississippi
- 39- Firm customers may take up to 6% of MDQ per hour
- 40- No-notice portion of service within associated FTS-1 or SFTS agreement
- 41- May be interrupted for a number of days as agreed to by Shipper and Transporter
- 42- Includes Park and Loan and Title Tracking Transfer services
- 43- Gas must be withdrawn on 30 days notice
- 44- Hourly deliveries of up to 6.25% of MDQ allowed, with greater flows possible by arrangement
- 45- Contractual flexibility limited to 120% of uniform rate for up to 3 consecutive hours, up to twice in 24 hours, with no less than 8 hours between occurrences
- 46- Consists of gas loaned at Waddington, transported interruptibly to any point on system, and then repaid at Waddington
- 47- No-notice provision for third-party balancing
- 48- Transporter may allow hourly flow of up to 6.25% of MDQ
- 49- "Interconnected parties should agree on the hourly flows of the intra-day nominations" Otherwise, tariff is silent on hourly flexibility.

## Exhibit 2. Pipeline and Storage Company Rate Schedules

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

- 50- Service period is Dec 1 to Feb 28 (or 29)
- 51- Service period excludes Dec 1 to Feb 28 (or 29), may also be interrupted during some or all of the service period based on terms of service agreement
- 52- Character/priority of service depends on nature of underlying tariff schedule through which balancing quantities are provided
- 53- Service period is Nov 1 to Mar 31
- 54- Customers' firm entitlements are automatically adjusted upwards each day based on available firm capacity, incremental capacity is for service from Baileyville to Tennessee or Algonquin
- 55- Service for southbound flows only on Mainline (ANR interconnect in IL to Tennessee interconnect in TN) is conditioned on not operating the Paris Turbine more than 6090 hours in any rolling 12-month period due to emissions restrictions
- 56- For service on Eastern Mainline (30 mi. of 16-in. pipe between TGP and Columbia/East Tennessee)
- 57- Service (from Panhandle interconnect in Illinois to TGP in Tennessee) is conditioned on not operating the Paris Turbine more than 6090 hours in any rolling 12-month period due to emissions restrictions
- 58- Interruptible for up to 10 days per month; service can be reduced or cancelled on 30 days notice in order to provide FT-1 or HT-1 service
- 59- Subject to sufficient scheduled and confirmed forward -haul volumes
- 60- Maximum hourly quantity to be not less than 1/20 nor greater than 1/4 of Transportation Demand (daily amount)
- 61- May be used to automatically balance flows under other service agreements
- 62- Customer must hold firm storage and transportation entitlements on MRT
- 63- Flexibility is subject to balancing provided by upstream shipper and no disruption to other Shippers
- 64- Wheeling is between TGP and TETCo in northern Mississippi
- 65- Supports hourly nominations, if also supported by customer's pipeline transporter
- 66- Functionally equivalent to PAL, but does not utilize storage
- 67- This is a seasonal lending service, with gas first withdrawn (and, optionally, delivered) during the summer (May 15 - Sept 30) on a no-notice basis, then injected under scheduled nominations during the following winter period (Dec 1 - Feb 28)
- 68- Firm service available on days specified in negotiated service agreement
- 69- Service can be no-notice in conjunction with no-notice option available under NGPL firm transportation service
- 70- Tariff allows up to 6.25% of MDQ per hour, or greater amount temporarily if possible
- 71- Transportation is provided from storage to delivery point, Shipper must arrange transportation for storage injections; withdrawals permitted year-round, but allowable quantities greatly reduced outside of the winter period; injections also permitted year-round
- 72- Loan service
- 73- MDQ changes month-to-month per terms of service agreement
- 74- No-notice loan service for balancing at the Hub with associated transportation
- 75- For transportation of liquefiable hydrocarbons; priority is the same as that of the the gas containing the liquefiable hydrocarbons being transported under a separate agreement)
- 76- No-notice parking service for balancing at the Hub with associated transportation
- 77- Hub facilities include connections to Ellisburg, Leidy and Wharton storage fields
- 78- No-notice loan service for balancing at the Hub
- 79- No-notice parking service for balancing at the Hub
- 80- Includes transportation of withdrawals to delivery point(s); transportation for injections is separate, and may be firm or interruptible
- 81- Bundled firm storage and transportation; receipts must be nominated, but not deliveries
- 82- For service on 9-mile Princeton lateral to Ameren Illinois near Princeton, IL
- 83- Several service options, including 12-month Base, 12-month variable, 5-month (winter) service and 12-month field area service
- 84- For Gulf coast gathering lines
- 85- For small customers grandfathered under former rate schedule GS
- 86- Normally called storage; only offered in conjunction with "throughput" (transportation) services
- 87- Must have associated firm throughput agreement



## Exhibit 2. Pipeline and Storage Company Rate Schedules

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

- 88- Compression service into lateral from gathering field
- 89- Interruptible for up to 10 days per month
- 90- Receipts to be uniform, hourly deliveries generally unrestricted, but may be restricted to 1/16 of daily nomination on notification
- 91- Injections and withdrawals are firm during periods established in service agreement, interruptible otherwise
- 92- Takes to be made uniformly over hourly period specified in agreement
- 93- Injection and withdrawal available year-round; no ratchets
- 94- Winter injections and summer withdrawals are interruptible; ratchets apply
- 95- Similar to WS, but more severe ratchets and less flexibility on scheduling injections and withdrawals
- 96- Allows for negative parking (loaning)
- 97- Must have both EFT or SCT and IOS or eligible FS agreements
- 98- Utilizes associated firm storage entitlements to balance firm or interruptible transportation
- 99- Redelivery to truck or pipeline
- 100- Delivery to truck only
- 101- Only one HRS agreement can be in effect at any delivery point; maximum hourly rate of 1/24, 1/20, 1/16, 1/14 or 1/12 of MDQ as specified in agreement, receipts to be at uniform hourly rates
- 102- Subject to sufficient forward haul volumes
- 103- Hub service; physical points within hub defined on website, and subject to change
- 104- Supports hourly nominations
- 105- Transporter has no obligation to deliver hourly flows of more than 6% MDQ, but Southern and a customer may mutually agree to a percentage below 6%
- 106- Shipper must have associated CSS agreement in place
- 107- Made up of FTS and FSS; between 1/3 and 1/2 of deliveries must be from supply, 1/2 to 2/3 must be from storage
- 108- Ratchets more restrictive than under FSS
- 109- Enhanced falls between firm and interruptible in priority
- 110- Tennessee supports hourly nominations for all indicated rate schedules between 10 p.m. and 8 a.m.
- 111- No-notice delivery service (Storage Swing Option) available with associated storage agreement
- 112- Available to shippers previously under Rate Schedule NET; 11 shippers under this rate schedule with aggregate MDQ of about 150,000 Dth
- 113- No-notice service available with associated firm storage agreement
- 114- Rate is offered pursuant to 20+-year-old FERC orders; hourly flexibility allowed to match that allowed by Iroquois; no flow restrictions on Shippers previously served under NET-Niagara rate schedule; three shippers under this schedule with total MDQ of 21
- 115- No-notice service supported where FT-1 receipt point is no-notice delivery point in associated service agreement under rates CDS, SCT or SS-1
- 116- Applicable to Viosca Knoll Lateral, a gathering line in the Gulf of Mexico
- 117- Character and priority of service and hourly flexibility per negotiated service agreement
- 118- Applicable to or from CNG Points as defined in service agreement
- 119- Applicable to forward- or backhauls to or from points on Equitrans
- 120- Available to current IT-1 customers formerly under rate schedule SS-2
- 121- Applicable to portion of storage (if any) associated with CDS, FT-1, SCT or IT-1 agreement which is not no-notice
- 122- Allows pre-injection of gas (via either actual receipts or displacement) for balancing under TABS-1 agreement or to avoid operational problems.
- 123- Available to current IT-1 customers previously under rate schedule SS-3
- 124- Hourly flows up to 1/16 of MDQ allowed
- 125- Customer shall provide its own Unnominated Gas Quantities for storage component of no-notice service
- 126- Optional addendum to firm service agreements allows nominations every two hours on two-hours notice
- 127- Allows relaxation of hourly delivery limits otherwise in effect under any transportation service agreement
- 128- Customer nominates transportation, swing is handled through no-notice storage during the summer

## Exhibit 2. Pipeline and Storage Company Rate Schedules

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

- 129- Customer may also obtain liquefaction or vaporization service if available after LSV customer nominations have been satisfied
- 130- Receipt and delivery points may be upstream of Carlstadt, NJ LNG facility, but not interconnection with other interstate pipeline on a secondary basis; withdrawal quantities nominated and scheduled at secondary points not available for “swing” service
- 131- Storage is provided by Dominion and NFG, rates are derived from Dominion (GSS) and NFG (SS-1) rate schedules
- 132- Storage is provided by NFG (Wharton), rates are derived from NFG's rate schedule SS-1 (storage) and X-54 (transportation)
- 133- Applicable to Order 636 conversions from firm sales agreements under previous Rate Schedules G & OG; has to be used before other transportation entitlements, cannot be released
- 134- Shipper may take between 90% and 110% of scheduled quantity, must pay IT rates for over- or under-takes; swing option not available
- 135- Storage is provided by TETCo under rate schedule X-28
- 136- Applies to transfers between pipeline interconnections within 50 miles of each other
- 137- Truckload deliveries; gas must be returned via pipeline transportation within 10 days
- 138- May make up to one nomination per hour until 4 p.m. Central Time
- 139- Hourly flows between 50% and 150% of ratable takes permitted
- 140- This is no-notice firm storage service that is associated only with SST rate schedule
- 141- This is no-notice firm storage service that is associated with firm transportation agreement that include Epps storage field as primary receipt and delivery point
- 142- Deliveries by truck with same day replacement via pipeline receipts
- 143- Connected to Dominion, NFG, Tennessee and Transco in Leidy area
- 144- For automatic balancing of nominations under FSS agreement
- 145- Intraday nominations on 1-hr notice allowed any time
- 146- Maximum hourly deliveries to be between 1/4 and 1/16 of MDQ as stipulated in service agreement
- 147- Applicable to pre-conversion customers with authorized overrun service under Rate Schedule AO or T-9
- 148- For no-notice service under Rate Schedule FT-1; must have associated FS-1 agreement
- 149- Transporter not obliged to deliver more than 6.2 percent of MDQ in a given hour
- 150- Rate schedule includes service option for storage-based load following and hourly/daily balancing services that are designed to match the dispatch profiles of gas-fired electric generation facilities; hourly nominations and no-notice service also available
- 151- Applicable to transportation by back-haul or displacement that creates forward-haul capacity.
- 152- No-notice withdrawal during summer (Jun-Oct), replacement by injection the following winter(Nov-Feb)
- 153- Park and loan service
- 154- Available services include wheeling and park and loan; character and priority of wheeling services as established by service agreement
- 155- Character and priority of service established by negotiated sales agreement
- 156- Service is dependent on off-system storage, has same character and priority as OSS
- 157- Customer must be an FT shipper to use this service; service depends on availability of secondary receipt and delivery points on Vector, and is provided on a “commercially reasonable efforts” basis
- 158- Applicable to southern half of pipeline system
- 159- Can take up to 5% of MDQ for up to 7 consecutive hours; other flow limits as detailed in Section 15.3 of tariff
- 160- Hourly flows may be up to 1/16 MDQ at primary delivery points
- 161- Optional service offered to FTS, EFT and NNS customers; eight additional nominations allowed on a 3-hr cycle
- 162- Pooling nominations by firm shippers with primary firm capacity within constrained area will be scheduled as firm up to their MDQ
- 163- Storage service provided via solicitation from third-party providers. Transporter owns and operates no gas storage capacity.
- 164- Service provided via associated FTS and FSS agreements
- 165- Balancing nominations can be made under any customer service agreement
- 166- Pass-through of Transco GSS service acquired by transporter

## **Exhibit 2. Pipeline and Storage Company Rate Schedules**

July 2, 2015

Note: This Exhibit includes pipelines and storage companies that are regulated by FERC under Section 7 of the Natural Gas Act

- 167- Available to Delmarva Power and Star Enterprise
- 168- Delivery service for GSS, LSS, CFSS or “swing capacity” retained on Transco
- 169- Pass-through of Columbia FSS and SST services acquired by transporter
- 170- Hourly takes of up to 5% of MDQ allowed
- 171- Pass-through of Transco LGA service acquired by transporter
- 172- Pass-through of Transco LSS service acquired by transporter
- 173- Service provides no-notice swings up and down and must be nominated to a qualified end-user and linked to an FTS or ITS Agreement.
- 174- FSS-1 has a lower scheduling priority than FSS
- 175- Loan service
- 176- Higher priority than ISS

Table E3-1. Pipeline Electronic Bulletin Boards

<b>Interstate Pipeline Company</b>	<b>Electronic Bulletin Board URL</b>
Algonquin Gas Transmission LLC	<a href="https://infopost.spectraenergy.com/infopost/default.asp?pipe=AG">https://infopost.spectraenergy.com/infopost/default.asp?pipe=AG</a>
Alliance Pipeline LP	<a href="http://info.alliance-pipeline.com/usa/">http://info.alliance-pipeline.com/usa/</a>
American Midstream (AlaTenn) LLC	<a href="http://www.hienergyebb.com/ALATENN/Home">http://www.hienergyebb.com/ALATENN/Home</a>
American Midstream (MidLa) LLC	<a href="http://www.hienergyebb.com/MIDLA/Home">http://www.hienergyebb.com/MIDLA/Home</a>
ANR Pipeline Company	<a href="http://anrebb.transcanada.com/">http://anrebb.transcanada.com/</a>
Big Sandy Pipeline LLC	<a href="https://infopost.spectraenergy.com/infopost/default.asp?pipe=BSP">https://infopost.spectraenergy.com/infopost/default.asp?pipe=BSP</a>
Bison Pipeline LLC	<a href="http://www.bisonpipelinellc.com/">http://www.bisonpipelinellc.com/</a>
Central New York Oil And Gas LLC	<a href="http://www.stagecoachstorage.com/">http://www.stagecoachstorage.com/</a>
Columbia Gas Transmission LLC	<a href="http://www.columbiapipelineinfo.com/infopost/Default.aspx?info=Y">http://www.columbiapipelineinfo.com/infopost/Default.aspx?info=Y</a>
Columbia Gulf Transmission LLC	<a href="http://www.columbiapipelineinfo.com/infopost/Default.aspx?info=Y">http://www.columbiapipelineinfo.com/infopost/Default.aspx?info=Y</a>
Crossroads Pipeline Company	<a href="http://www.columbiapipelineinfo.com/infopost/Default.aspx?info=Y">http://www.columbiapipelineinfo.com/infopost/Default.aspx?info=Y</a>
Destin Pipeline Company LLC	<a href="http://www.destin-pipeline.com/">http://www.destin-pipeline.com/</a>
Dominion Cove Point LNG, LP	<a href="http://escript.dom.com/jsp/info_post.jsp?&amp;company=cpt">http://escript.dom.com/jsp/info_post.jsp?&amp;company=cpt</a>
Dominion Transmission, Inc.	<a href="http://escript.dom.com/jsp/info_post.jsp?&amp;company=dti">http://escript.dom.com/jsp/info_post.jsp?&amp;company=dti</a>
East Tennessee Natural Gas LLC	<a href="https://infopost.spectraenergy.com/infopost/default.asp?pipe=ET">https://infopost.spectraenergy.com/infopost/default.asp?pipe=ET</a>
Eastern Shore Natural Gas Company	<a href="http://www.gasnom.com/ip/eshore/">http://www.gasnom.com/ip/eshore/</a>
Empire Pipeline, Inc.	<a href="http://www.natfuel.com/empire/infopost/infopost_frame.htm">http://www.natfuel.com/empire/infopost/infopost_frame.htm</a>
Enable Gas Transmission LLC	<a href="http://pipelines.centerpointenergy.com/CEGT.html">http://pipelines.centerpointenergy.com/CEGT.html</a>
Enable Mississippi River Transmission LLC	<a href="http://pipelines.centerpointenergy.com/MRT.html">http://pipelines.centerpointenergy.com/MRT.html</a>
Equitrans, LP	<a href="http://equitrans.eqtmidstreampartners.com/infopostings/ipws#/Informational Postings">http://equitrans.eqtmidstreampartners.com/infopostings/ipws#/Informational Postings</a>
ETC Tiger Pipeline LLC	<a href="http://tigertransfer.energytransfer.com/ipost/TGR">http://tigertransfer.energytransfer.com/ipost/TGR</a>
Fayetteville Express Pipeline LLC	<a href="https://feptransfer.energytransfer.com/ipost/FEP">https://feptransfer.energytransfer.com/ipost/FEP</a>
Florida Gas Transmission Company LLC	<a href="https://fgttransfer.energytransfer.com/ipost/FGT">https://fgttransfer.energytransfer.com/ipost/FGT</a>
Granite State Gas Transmission, Inc.	<a href="http://www.gasnom.com/ip/gsgt/">http://www.gasnom.com/ip/gsgt/</a>
Great Lakes Gas Transmission LP	<a href="http://www.glt.com/infopostings/ebbmain.asp">http://www.glt.com/infopostings/ebbmain.asp</a>
Guardian Pipeline LLC	<a href="http://www.gpl.oneokpartners.com/">http://www.gpl.oneokpartners.com/</a>
Gulf Crossing Pipeline Company LLC	<a href="http://www.gulfcrossing.com/">http://www.gulfcrossing.com/</a>
Gulf South Pipeline Company, LP	<a href="http://www.gulfsouthpl.com/">http://www.gulfsouthpl.com/</a>
Horizon Pipeline Company LLC	<a href="http://pipeline.kindermorgan.com/StaticContentManager.aspx?control=horizon">http://pipeline.kindermorgan.com/StaticContentManager.aspx?control=horizon</a>

Table E3-1. Pipeline Electronic Bulletin Boards

<b>Interstate Pipeline Company</b>	<b>Electronic Bulletin Board URL</b>
Iroquois Gas Transmission System, LP	<a href="http://www.iroquois.com/informationalpostings/reports/">http://www.iroquois.com/informationalpostings/reports/</a>
Kinder Morgan Illinois Pipeline LLC	<a href="http://pipeline.kindermorgan.com/StaticContentManager.aspx?control=kmip">http://pipeline.kindermorgan.com/StaticContentManager.aspx?control=kmip</a>
Kinder Morgan Louisiana Pipeline LLC	<a href="http://pipeline.kindermorgan.com/StaticContentManager.aspx?control=kmlp">http://pipeline.kindermorgan.com/StaticContentManager.aspx?control=kmlp</a>
KO Transmission Company	<a href="http://www.kotransmission.com/">http://www.kotransmission.com/</a>
Maritimes & Northeast Pipeline LLC	<a href="https://infopost.spectraenergy.com/infopost/default.asp?pipe=MNUS">https://infopost.spectraenergy.com/infopost/default.asp?pipe=MNUS</a>
Midcontinent Express Pipeline LLC	<a href="http://pipeline.kindermorgan.com/StaticContentManager.aspx?control=mep">http://pipeline.kindermorgan.com/StaticContentManager.aspx?control=mep</a>
Midwestern Gas Transmission Company	<a href="http://www.mgt.nborder.com/">http://www.mgt.nborder.com/</a>
Millennium Pipeline Company LLC	<a href="http://www.columbiapipeline.com/infopost/Default.aspx?info=Y">http://www.columbiapipeline.com/infopost/Default.aspx?info=Y</a>
MoGas Pipeline LLC	<a href="http://www.gasnom.com/ip/mogas/ipindex.cfm">http://www.gasnom.com/ip/mogas/ipindex.cfm</a>
National Fuel Gas Supply Corporation	<a href="http://www.natfuel.com/supply/infopost/infopost_frame.htm">http://www.natfuel.com/supply/infopost/infopost_frame.htm</a>
Natural Gas Pipeline Company of America LLC	<a href="http://pipeline.kindermorgan.com/StaticContentManager.aspx?control=ngpl">http://pipeline.kindermorgan.com/StaticContentManager.aspx?control=ngpl</a>
NGO Transmission, Inc.	<a href="http://www.ngotransmission.com/">http://www.ngotransmission.com/</a>
Northern Border Pipeline Company	<a href="http://www.northernborder.com/">http://www.northernborder.com/</a>
Northern Natural Gas Company	<a href="http://www.northernnaturalgas.com/InfoPostings/Pages/AtaGlance.aspx">http://www.northernnaturalgas.com/InfoPostings/Pages/AtaGlance.aspx</a>
Ozark Gas Transmission LLC	<a href="https://link.spectraenergy.com/OGTHome.asp?pipe=OGT&amp;mode=1">https://link.spectraenergy.com/OGTHome.asp?pipe=OGT&amp;mode=1</a>
Panhandle Eastern Pipe Line Company, LP	<a href="http://peplmessenger.energytransfer.com/ipost/PEPL">http://peplmessenger.energytransfer.com/ipost/PEPL</a>
Portland Natural Gas Transmission System	<a href="http://www.gasnom.com/ip/pngts/">http://www.gasnom.com/ip/pngts/</a>
Rockies Express Pipeline LLC	<a href="http://pipeline.tallgrassenergyllp.com/Pages/Content.aspx?pipeline=501&amp;type=SMRY">http://pipeline.tallgrassenergyllp.com/Pages/Content.aspx?pipeline=501&amp;type=SMRY</a>
Sabine Pipe Line LLC	<a href="http://www.sabinepipeline.com/">http://www.sabinepipeline.com/</a>
Southeast Supply Header LLC	<a href="https://link.spectraenergy.com/SESHHome.asp?pipe=SESH&amp;mode=1">https://link.spectraenergy.com/SESHHome.asp?pipe=SESH&amp;mode=1</a>
Southern Natural Gas Company LLC	<a href="http://ixsnp.sonetpremier.com/ebbmasterpage/default.aspx?code=SNG">http://ixsnp.sonetpremier.com/ebbmasterpage/default.aspx?code=SNG</a>
Southern Star Central Gas Pipeline, Inc.	<a href="https://csi.sscgp.com/authentication/login.aspx?ReturnUrl=%2f">https://csi.sscgp.com/authentication/login.aspx?ReturnUrl=%2f</a>
Tennessee Gas Pipeline Company LLC	<a href="http://webapps.elpaso.com/PortalUI/DefaultKM.aspx?TSP=TGPD">http://webapps.elpaso.com/PortalUI/DefaultKM.aspx?TSP=TGPD</a>
Texas Eastern Transmission, LP	<a href="https://infopost.spectraenergy.com/infopost/default.asp?pipe=TE">https://infopost.spectraenergy.com/infopost/default.asp?pipe=TE</a>
Texas Gas Transmission LLC	<a href="http://infopost.bwpmlp.com/?tspid=100000">http://infopost.bwpmlp.com/?tspid=100000</a>
TransCanada Pipe Lines Limited	<a href="http://www.transcanada.com/customerexpress/mainline.html">http://www.transcanada.com/customerexpress/mainline.html</a>
Transcontinental Gas Pipe Line Company LLC	<a href="http://www.1line.williams.com/Transco/index.html">http://www.1line.williams.com/Transco/index.html</a>
Trans-Union Interstate Pipeline, L.P.	<a href="http://www.trans-unionpipeline.com/">http://www.trans-unionpipeline.com/</a>
Trunkline Gas Company LLC	<a href="http://tgcmessenger.energytransfer.com/ipost/TGC">http://tgcmessenger.energytransfer.com/ipost/TGC</a>

**Table E3-1. Pipeline Electronic Bulletin Boards**

<b>Interstate Pipeline Company</b>	<b>Electronic Bulletin Board URL</b>
Union Gas Limited	<a href="http://www.uniongas.com/storage-and-transportation">http://www.uniongas.com/storage-and-transportation</a>
USG Pipeline Company LLC	<a href="http://www.usgpipeline.com/">http://www.usgpipeline.com/</a>
Vector Pipeline LP	<a href="http://www.vector-pipeline.com/vector/main.aspx?id=6248&amp;tmi=430&amp;tmt=4">http://www.vector-pipeline.com/vector/main.aspx?id=6248&amp;tmi=430&amp;tmt=4</a>
Viking Gas Transmission Company	<a href="http://www.vgt.nborder.com/">http://www.vgt.nborder.com/</a>
WBI Energy Transmission, Inc.	<a href="http://transmission.wbienergy.com/">http://transmission.wbienergy.com/</a>

Table E3-2. FERC-Jurisdictional Storage Facility Electronic Bulletin Board URLs

Storage Company	URL
ANR Storage Company	<a href="http://www.gasnom.com/ip/anr/">http://www.gasnom.com/ip/anr/</a>
Arlington Storage Company LLC	<a href="http://www.thomascornersgasstorage.com/">http://www.thomascornersgasstorage.com/</a>
Blue Lake Gas Storage Company	<a href="http://www.gasnom.com/ip/bluelake/">http://www.gasnom.com/ip/bluelake/</a>
Bluewater Gas Storage LLC	<a href="http://www.gasnom.com/ip/bluewater/">http://www.gasnom.com/ip/bluewater/</a>
Boardwalk Storage Company LLC	<a href="http://infopost.bwpmlp.com/?tspid=6">http://infopost.bwpmlp.com/?tspid=6</a>
Bobcat Gas Storage	<a href="https://infopost.spectraenergy.com/infopost/default.asp?pipe=BGS">https://infopost.spectraenergy.com/infopost/default.asp?pipe=BGS</a>
Cadeville Gas Storage LLC	<a href="http://www.gasnom.com/ip/cadeville/">http://www.gasnom.com/ip/cadeville/</a>
Caledonia Energy Partners LLC	<a href="http://www.gasnom.com/ip/caledonia/">http://www.gasnom.com/ip/caledonia/</a>
Egan Hub Storage LLC	<a href="http://infopost.spectraenergy.com/infopost/EGHome.asp?pipe=EG&amp;mode=1">http://infopost.spectraenergy.com/infopost/EGHome.asp?pipe=EG&amp;mode=1</a>
Golden Triangle Storage, Inc.	<a href="http://www.gasnom.com/ip/goldentriangle/">http://www.gasnom.com/ip/goldentriangle/</a>
Gulf LNG Pipeline LLC	included in Southern Natural Gas
Hardy Storage Company LLC	<a href="http://www.columbiapipeline.com/infopost/Default.aspx?info=Y">http://www.columbiapipeline.com/infopost/Default.aspx?info=Y</a>
Honeoye Storage Corporation	<a href="http://www.honeoyestorage.com/">http://www.honeoyestorage.com/</a>
LA Storage LLC	<a href="http://www.gasnom.com/ip/lastorage/">http://www.gasnom.com/ip/lastorage/</a>
Leaf River Energy Center LLC	<a href="http://www.gasnom.com/ip/leafriver/">http://www.gasnom.com/ip/leafriver/</a>
Mississippi Hub LLC	<a href="http://www.gasnom.com/ip/mississippihub/">http://www.gasnom.com/ip/mississippihub/</a>
Monroe Gas Storage Company LLC	<a href="http://www.gasnom.com/ip/monroe/">http://www.gasnom.com/ip/monroe/</a>
Perryville Gas Storage LLC	<a href="http://www.gasnom.com/ip/perryville/">http://www.gasnom.com/ip/perryville/</a>
Petal Gas Storage LLC	<a href="http://infopost.bwpmlp.com/?tspid=3">http://infopost.bwpmlp.com/?tspid=3</a>
Pine Needle LNG Company LLC	<a href="http://www.pineneedle.williams.com/PineNeedle/index.html">http://www.pineneedle.williams.com/PineNeedle/index.html</a>
Pine Prairie Energy Center LLC	<a href="http://www.gasnom.com/ip/pineprairie/">http://www.gasnom.com/ip/pineprairie/</a>
Rager Mountain Storage Company LLC	<a href="http://www.gasnom.com/ip/rmsc/">http://www.gasnom.com/ip/rmsc/</a>
Saltville Gas Storage Company LLC	<a href="http://infopost.spectraenergy.com/infopost/default.asp?pipe=SG">http://infopost.spectraenergy.com/infopost/default.asp?pipe=SG</a>
SG Resources Mississippi LLC	<a href="http://www.gasnom.com/ip/southernpines/">http://www.gasnom.com/ip/southernpines/</a>
Southwest Gas Storage Company	<a href="http://swgsmessenger.energytransfer.com/ipost/SWGS">http://swgsmessenger.energytransfer.com/ipost/SWGS</a>
Steckman Ridge, LP	<a href="https://infopost.spectraenergy.com/infopost/default.asp?pipe=SR">https://infopost.spectraenergy.com/infopost/default.asp?pipe=SR</a>
Steuben Gas Storage Company	included in Arlington Gas Storage
Total Peaking Services, LLC	<a href="http://www.totalpeaking.com/">http://www.totalpeaking.com/</a>
Trunkline LNG Company LLC	<a href="http://tlngmessenger.energytransfer.com/ipost/TLNG">http://tlngmessenger.energytransfer.com/ipost/TLNG</a>

**Table E3-2. FERC-Jurisdictional Storage Facility Electronic Bulletin Board URLs**

<b>Storage Company</b>	<b>URL</b>
UGI LNG Inc.	<a href="http://www.gasnom.com/ip/ugilng/">http://www.gasnom.com/ip/ugilng/</a>
UGI Storage Company	<a href="http://www.gasnom.com/ip/UGI/">http://www.gasnom.com/ip/UGI/</a>
Wyckoff Gas Storage Company LLC	<a href="http://www.wyckoffgasstorageproject.com/InformationalPostings.aspx">http://www.wyckoffgasstorageproject.com/InformationalPostings.aspx</a>



**Table E3-3. Intrastate Pipeline Electronic Bulletin Boards / Tariffs**

<b>Intrastate Pipeline Company</b>	<b>URL</b>
Acadian Gas Pipeline System	<a href="http://etariff.ferc.gov/TariffBrowser.aspx?tid=928">http://etariff.ferc.gov/TariffBrowser.aspx?tid=928</a>
Crosstex LIG LLC	<a href="http://etariff.ferc.gov/TariffBrowser.aspx?tid=801">http://etariff.ferc.gov/TariffBrowser.aspx?tid=801</a>
Cypress Gas Pipeline LLC	<a href="http://etariff.ferc.gov/TariffBrowser.aspx?tid=931">http://etariff.ferc.gov/TariffBrowser.aspx?tid=931</a>
Energy Transfer Vantex	No tariff available
Evangeline	No tariff available
Kinder Morgan Tejas Pipeline LLC	<a href="http://etariff.ferc.gov/TariffBrowser.aspx?tid=1085">http://etariff.ferc.gov/TariffBrowser.aspx?tid=1085</a>
Kinder Morgan Texas Pipeline LLC	<a href="http://etariff.ferc.gov/TariffBrowser.aspx?tid=1247">http://etariff.ferc.gov/TariffBrowser.aspx?tid=1247</a>
Southcross Mississippi Pipeline LP	<a href="http://etariff.ferc.gov/TariffBrowser.aspx?tid=2453">http://etariff.ferc.gov/TariffBrowser.aspx?tid=2453</a>

Table E3-4. Local Distribution Company Tariffs

State	LDC	Tariff URL
AR	Centerpoint Energy Arkansas	<a href="http://www.centerpointenergy.com/services/naturalgas/residential/072f46318b514210VgnVCM10000026a10d0aRCRD/AR/">http://www.centerpointenergy.com/services/naturalgas/residential/072f46318b514210VgnVCM10000026a10d0aRCRD/AR/</a>
CT	Connecticut Natural Gas	<a href="https://www.cngcorp.com/wps/poc?urile=wcm:path:/CNG++YourBusiness/CNG/YourBusiness/RatesandRegulations">https://www.cngcorp.com/wps/poc?urile=wcm:path:/CNG++YourBusiness/CNG/YourBusiness/RatesandRegulations</a>
CT	Southern Connecticut Gas	<a href="http://www.soconngas.com/wps/poc?urile=wcm:path:/SCG++YourBusiness/SCG/SA_YourBusiness/SA_RatesandRegulations">http://www.soconngas.com/wps/poc?urile=wcm:path:/SCG++YourBusiness/SCG/SA_YourBusiness/SA_RatesandRegulations</a>
CT	Yankee Gas	<a href="http://www.yankeegas.com/downloads/ratebook.pdf?id=4294985727&amp;dl=t">http://www.yankeegas.com/downloads/ratebook.pdf?id=4294985727&amp;dl=t</a>
DE	Delmarva Power & Light	<a href="http://www.delmarva.com/_res/documents/GASMasterTariff.pdf">http://www.delmarva.com/_res/documents/GASMasterTariff.pdf</a>
IA	Alliant Energy (Interstate Power & Light Co)	<a href="http://www.alliantenergy.com/AboutAlliantEnergy/CompanyInformation/Tariffs/030243">http://www.alliantenergy.com/AboutAlliantEnergy/CompanyInformation/Tariffs/030243</a>
IA	Liberty Utilities	<a href="http://www.libertyutilities.com/central/saving/rates/Liberty_Iowa_Tariff.pdf">http://www.libertyutilities.com/central/saving/rates/Liberty_Iowa_Tariff.pdf</a>
IA	MidAmerican Energy	<a href="http://www.midamericanenergy.com/include/pdf/rates/gasrates/iagas/ia-gas.pdf">http://www.midamericanenergy.com/include/pdf/rates/gasrates/iagas/ia-gas.pdf</a>
IL	Ameren Illinois	<a href="http://www.ameren.com/sites/aiu/Rates/Pages/GasNonResServiceTariffs.aspx">http://www.ameren.com/sites/aiu/Rates/Pages/GasNonResServiceTariffs.aspx</a>
IL	MidAmerican Energy	<a href="http://www.midamericanenergy.com/include/pdf/rates/gasrates/ilgas-No9/il-gas.pdf">http://www.midamericanenergy.com/include/pdf/rates/gasrates/ilgas-No9/il-gas.pdf</a>
IL	Nicor Gas	<a href="http://nicorgas.aglr.com/Repository/Files/Nicor_Ratebook.pdf">http://nicorgas.aglr.com/Repository/Files/Nicor_Ratebook.pdf</a>
IL	North Shore Gas	<a href="http://www.northshoregasdelivery.com/company/rates.aspx">http://www.northshoregasdelivery.com/company/rates.aspx</a>
IL	Peoples Gas Light and Coke	<a href="http://www.peoplesgasdelivery.com/company/rates.aspx">http://www.peoplesgasdelivery.com/company/rates.aspx</a>
IN	Citizens Gas	<a href="http://www.citizensenergygroup.com/ARates.aspx">http://www.citizensenergygroup.com/ARates.aspx</a>
IN	Northern Indiana Public Service	<a href="http://www.nipsco.com/Libraries/gas_tariff_070111/NIPSCO_Gas_Service_Tariffs.sflb.ashx">http://www.nipsco.com/Libraries/gas_tariff_070111/NIPSCO_Gas_Service_Tariffs.sflb.ashx</a>
IN	Vectren Energy Delivery of Indiana (Indiana Gas)	<a href="https://www.vectren.com/cms/assets/pdfs/indiana_gas_tariff.pdf">https://www.vectren.com/cms/assets/pdfs/indiana_gas_tariff.pdf</a>
IN	Vectren Energy Delivery of Indiana (Southern Indiana Gas & Electric)	<a href="https://www.vectren.com/cms/assets/pdfs/south_services_gas_tariff.pdf">https://www.vectren.com/cms/assets/pdfs/south_services_gas_tariff.pdf</a>
LA	Atmos Energy	<a href="http://www.atmosenergy.com/about/tariffs.html?f=la_tla_tariff">http://www.atmosenergy.com/about/tariffs.html?f=la_tla_tariff</a>
LA	Entergy New Orleans	<a href="http://www.entergy-louisiana.com/your_business/EGSI_Tariffs.aspx">http://www.entergy-louisiana.com/your_business/EGSI_Tariffs.aspx</a>

**Table E3-4. Local Distribution Company Tariffs**

State	LDC	Tariff URL
LA	Terrebonne Parish	Municipal - no tariff available
MA	Berkshire Gas	<a href="http://www.berkshiregas.com/wps/poc?urile=wcm:path:/BGC+-+SuppliersandPartners/BGC/SuppliersandPartners/Commercial+Rates">http://www.berkshiregas.com/wps/poc?urile=wcm:path:/BGC+-+SuppliersandPartners/BGC/SuppliersandPartners/Commercial+Rates</a>
MA	Columbia Gas of Massachusetts (Bay State Gas)	<a href="https://www.columbiagasma.com/docs/default-document-library/cma-tariffs-(effective-11-1-13).pdf">https://www.columbiagasma.com/docs/default-document-library/cma-tariffs-(effective-11-1-13).pdf</a>
MA	National Grid (Boston Gas)	<a href="https://www1.nationalgridus.com/Files/ESCO/Boston_Tariffs_and_TC.pdf">https://www1.nationalgridus.com/Files/ESCO/Boston_Tariffs_and_TC.pdf</a>
MA	National Grid (Colonial Gas)	<a href="https://www1.nationalgridus.com/Files/ESCO/Colonial_Tariffs_and_TC.pdf">https://www1.nationalgridus.com/Files/ESCO/Colonial_Tariffs_and_TC.pdf</a>
MA	NSTAR Gas	<a href="http://www.nstar.com/ss3/residential/rates_tariffs/rates/schedule.asp#Gas">http://www.nstar.com/ss3/residential/rates_tariffs/rates/schedule.asp#Gas</a>
MD	Baltimore Gas & Electric	<a href="http://www.bge.com/myaccount/billsrates/ratestariffs/gasservice/pages/gas-service-rates-and-tariffs.aspx">http://www.bge.com/myaccount/billsrates/ratestariffs/gasservice/pages/gas-service-rates-and-tariffs.aspx</a>
MD	Easton Utilities Commission	Municipal - no tariff available
MD	Washington Gas Light	<a href="http://www.washgas.com/FileUpload/File/Tariffs/MD/mdfull.pdf">http://www.washgas.com/FileUpload/File/Tariffs/MD/mdfull.pdf</a>
ME	Bangor Gas	<a href="http://www.bangorgas.com/rate-schedule.html">http://www.bangorgas.com/rate-schedule.html</a>
ME	Maine Natural Gas	<a href="http://mainenaturalgas.com/wordpress/wp-content/uploads/2012/11/MNG-Tariff.pdf">http://mainenaturalgas.com/wordpress/wp-content/uploads/2012/11/MNG-Tariff.pdf</a>
MI	Consumers Energy	<a href="http://www.consumersenergy.com/content.aspx?ID=2005">http://www.consumersenergy.com/content.aspx?ID=2005</a>
MI	Michigan Consolidated Gas	<a href="http://www.dteenergy.com/pdfs/michConTariff.pdf">http://www.dteenergy.com/pdfs/michConTariff.pdf</a>
MI	Michigan Gas Utilities	<a href="http://www.michigangasutilities.com/company/tariffs.aspx">http://www.michigangasutilities.com/company/tariffs.aspx</a>
MI	SEMCO Gas	<a href="http://www.semcoenergygas.com/media/pdf/Tariff.pdf">http://www.semcoenergygas.com/media/pdf/Tariff.pdf</a>
MN	CenterPoint Energy Minnesota	<a href="http://www.centerpointenergy.com/services/naturalgas/residential/7c59794842ea4110VgnVCM1000001a10d0aRCRD/MN/">http://www.centerpointenergy.com/services/naturalgas/residential/7c59794842ea4110VgnVCM1000001a10d0aRCRD/MN/</a>
MN	Minnesota Energy Resources	<a href="http://www.minnesotaenergyresources.com/company/tariffs.aspx">http://www.minnesotaenergyresources.com/company/tariffs.aspx</a>
MN	Owatonna	Municipal - no tariff available
MN	Xcel Energy	<a href="http://www.xcelenergy.com/About_Us/Rates_&amp;_Regulations/Rates,_Rights_&amp;_Service_Rules/MN_Regulatory_Rates_and_Tariffs">http://www.xcelenergy.com/About_Us/Rates_&amp;_Regulations/Rates,_Rights_&amp;_Service_Rules/MN_Regulatory_Rates_and_Tariffs</a>
MO	Ameren Missouri	<a href="https://www.ameren.com/sites/AUE/Rates/Pages/ratesGasFullSrvAMUEMO.aspx">https://www.ameren.com/sites/AUE/Rates/Pages/ratesGasFullSrvAMUEMO.aspx</a>

Table E3-4. Local Distribution Company Tariffs

State	LDC	Tariff URL
MS	Atmos Energy	<a href="http://www.atmosenergy.com/about/tariffs.html?f=ms_aec_tariff">http://www.atmosenergy.com/about/tariffs.html?f=ms_aec_tariff</a>
MT	Montana-Dakota Utilities	<a href="http://www.montana-dakota.com/rates-and-services/rates-and-tariffs">http://www.montana-dakota.com/rates-and-services/rates-and-tariffs</a>
NC	Piedmont Natural Gas	<a href="http://www.piedmontng.com/files/pdfs/rates/nc_tariffandserviceregulations.pdf">http://www.piedmontng.com/files/pdfs/rates/nc_tariffandserviceregulations.pdf</a>
NJ	Elizabethtown Gas	<a href="http://www.elizabethtowngas.com/Repository/Files/NJ%20TARIFF%20NO%20%2014.pdf">http://www.elizabethtowngas.com/Repository/Files/NJ%20TARIFF%20NO%20%2014.pdf</a>
NJ	New Jersey Natural Gas	<a href="http://www.njng.com/regulatory/pdf/Tariff01012014.pdf">http://www.njng.com/regulatory/pdf/Tariff01012014.pdf</a>
NJ	PSE&G	<a href="http://www.pseg.com/family/pseandg/tariffs/gas/pdf/gas_tariff.pdf">http://www.pseg.com/family/pseandg/tariffs/gas/pdf/gas_tariff.pdf</a>
NJ	South Jersey Gas	<a href="http://www.southjerseygas.com/for-my-home/pdfs/tariff/Tariff.pdf">http://www.southjerseygas.com/for-my-home/pdfs/tariff/Tariff.pdf</a>
NY	Central Hudson Gas & Electric	<a href="https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569012&amp;serviceType=GAS&amp;psc_num=12">https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569012&amp;serviceType=GAS&amp;psc_num=12</a>
NY	Consolidated Edison	<a href="https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569014&amp;serviceType=GAS&amp;psc_num=9">https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569014&amp;serviceType=GAS&amp;psc_num=9</a>
NY	National Fuel Gas Distribution	<a href="https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569008&amp;serviceType=GAS&amp;psc_num=8">https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569008&amp;serviceType=GAS&amp;psc_num=8</a>
NY	National Grid (Long Island)	<a href="https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569154&amp;serviceType=GAS&amp;psc_num=1">https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569154&amp;serviceType=GAS&amp;psc_num=1</a>
NY	National Grid (New York City)	<a href="https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569180&amp;serviceType=GAS&amp;psc_num=12">https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569180&amp;serviceType=GAS&amp;psc_num=12</a>
NY	National Grid (Niagara Mohawk)	<a href="https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569016&amp;serviceType=GAS&amp;psc_num=219">https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569016&amp;serviceType=GAS&amp;psc_num=219</a>
NY	Orange & Rockland	<a href="https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569020&amp;serviceType=GAS&amp;psc_num=4">https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=3569020&amp;serviceType=GAS&amp;psc_num=4</a>
NY	St. Lawrence Gas	<a href="https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=4054312&amp;serviceType=GAS&amp;psc_num=3">https://www2.dps.ny.gov/ETS/search/searchShortcutEffective.cfm?companyID=4054312&amp;serviceType=GAS&amp;psc_num=3</a>
OH	Dominion East Ohio	<a href="https://www.dom.com/dominion-east-ohio/customer-service/rates-and-tariffs/tariff-information.jsp">https://www.dom.com/dominion-east-ohio/customer-service/rates-and-tariffs/tariff-information.jsp</a>
OH	Duke Energy Ohio	<a href="http://www.duke-energy.com/rates/ohio/gas.asp">http://www.duke-energy.com/rates/ohio/gas.asp</a>
OH	Northeast Ohio Natural Gas	<a href="http://dis.puc.state.oh.us/CaseRecord.aspx?Caseno=89-8012&amp;link=DIVA">http://dis.puc.state.oh.us/CaseRecord.aspx?Caseno=89-8012&amp;link=DIVA</a>
OH	Vectren Energy Delivery of Ohio	<a href="https://www.vectren.com/cms/assets/pdfs/VEDO_gas_tariff.pdf">https://www.vectren.com/cms/assets/pdfs/VEDO_gas_tariff.pdf</a>

Table E3-4. Local Distribution Company Tariffs

State	LDC	Tariff URL
ON	Enbridge	<a href="https://www.enbridgegas.com/businesses/accounts-billing/gas-rates/large-volume-rates/">https://www.enbridgegas.com/businesses/accounts-billing/gas-rates/large-volume-rates/</a>
ON	Union Gas	<a href="http://www.uniongas.com/business/account-services/unionline/contracts-rates">http://www.uniongas.com/business/account-services/unionline/contracts-rates</a>
PA	Columbia Gas of Pennsylvania	<a href="https://www.columbiagaspa.com/docs/tariff/complete-tariff.pdf?sfvrsn=0">https://www.columbiagaspa.com/docs/tariff/complete-tariff.pdf?sfvrsn=0</a>
PA	NFG Distribution	<a href="http://www.natfuel.com/marketers/patariffs/Current.pdf">http://www.natfuel.com/marketers/patariffs/Current.pdf</a>
PA	PECO Energy	<a href="https://www.peco.com/CustomerService/RatesandPricing/RateInformation/Documents/PDF/New%20Gas%20Tariff/Current%20Gas%20Tariff/Current%20Gas%20Tariff%20(Format)%20-%20January%201,%202014.pdf">https://www.peco.com/CustomerService/RatesandPricing/RateInformation/Documents/PDF/New%20Gas%20Tariff/Current%20Gas%20Tariff/Current%20Gas%20Tariff%20(Format)%20-%20January%201,%202014.pdf</a>
PA	Peoples Gas	<a href="http://www.peoples-gas.com/RatesandTariffs.aspx">http://www.peoples-gas.com/RatesandTariffs.aspx</a>
PA	Philadelphia Gas Works	<a href="http://www.pgworks.com/index.php/business/customer-care/tariffs">http://www.pgworks.com/index.php/business/customer-care/tariffs</a>
PA	UGI Central Penn Gas	<a href="http://gasmngmt.ugi.com/UGIC/docs/Distribution%20Tariff/Distribution%20Tariff.pdf">http://gasmngmt.ugi.com/UGIC/docs/Distribution%20Tariff/Distribution%20Tariff.pdf</a>
PA	UGI Penn Natural Gas	<a href="http://gasmngmt.ugi.com/UGIP/doc/tariff/PUC8.pdf">http://gasmngmt.ugi.com/UGIP/doc/tariff/PUC8.pdf</a>
PA	UGI Utilities	<a href="http://gasmngmt.ugi.com/UGIU/doc/tariff/GStariff.pdf#page=1">http://gasmngmt.ugi.com/UGIU/doc/tariff/GStariff.pdf#page=1</a>
RI	National Grid (Narragansett Electric)	<a href="https://www1.nationalgridus.com/files/AddedPDF/POA/rigas_tariff.pdf">https://www1.nationalgridus.com/files/AddedPDF/POA/rigas_tariff.pdf</a>
TN	Memphis Light Gas & Water	<a href="http://www.mlgw.com/commercial/commercialrates">http://www.mlgw.com/commercial/commercialrates</a>
VA	Appalachian Natural Gas Distribution Co	No tariff available
VA	Atmos Energy	<a href="http://www.atmosenergy.com/about/tariffs.html?f=va_aec_tariff">http://www.atmosenergy.com/about/tariffs.html?f=va_aec_tariff</a>
VA	City of Richmond	Municipal - no tariff available
VA	Columbia Gas of Virginia	<a href="https://www.columbiagasva.com/docs/tariff/cgv_tariff_01_01_2011_revised_11_28_12.pdf?sfvrsn=2">https://www.columbiagasva.com/docs/tariff/cgv_tariff_01_01_2011_revised_11_28_12.pdf?sfvrsn=2</a>
VA	Virginia Natural Gas	<a href="http://www.virginianaturalgas.com/Repository/Files/VNG_Nov_Tariff.pdf">http://www.virginianaturalgas.com/Repository/Files/VNG_Nov_Tariff.pdf</a>
VA	Washington Gas Light	<a href="http://www.washgas.com/FileUpload/File/Tariffs/VA/vafull.pdf">http://www.washgas.com/FileUpload/File/Tariffs/VA/vafull.pdf</a>
WI	Alliant Energy (Wisconsin Power & Light)	<a href="http://www.alliantenergy.com/AboutAlliantEnergy/CompanyInformation/Tariffs/030307">http://www.alliantenergy.com/AboutAlliantEnergy/CompanyInformation/Tariffs/030307</a>

**Table E3-4. Local Distribution Company Tariffs**

<b>State</b>	<b>LDC</b>	<b>Tariff URL</b>
<b>WI</b>	Madison Gas and Electric	<a href="http://www.mge.com/images/PDF/Gas/Rates/GasRates.pdf">http://www.mge.com/images/PDF/Gas/Rates/GasRates.pdf</a>
<b>WI</b>	We Energies	<a href="http://www.we-energies.com/pdfs/tariffs_volXVI/WEGOtariiffbk_volXVI.pdf">http://www.we-energies.com/pdfs/tariffs_volXVI/WEGOtariiffbk_volXVI.pdf</a>
<b>WI</b>	Wisconsin Gas Co.	<a href="http://www.we-energies.com/business/natgas/wgc_gastariffs.htm">http://www.we-energies.com/business/natgas/wgc_gastariffs.htm</a>
<b>WI</b>	Wisconsin Public Service Corp.	<a href="http://www.wisconsinpublicservice.com/company/wi_tariffs.aspx">http://www.wisconsinpublicservice.com/company/wi_tariffs.aspx</a>
<b>WI</b>	Xcel Energy	<a href="http://www.xcelenergy.com/About_Us/Rates_&amp;_Regulations/Rates,_Rights_&amp;_Service_Rules/WI_Regulatory_Rates_and_Tariffs">http://www.xcelenergy.com/About_Us/Rates_&amp;_Regulations/Rates,_Rights_&amp;_Service_Rules/WI_Regulatory_Rates_and_Tariffs</a>
<b>WV</b>	Dominion Hope	<a href="https://www.dom.com/dominion-hope/customer-service/your-service/rates-and-tariffs.jsp">https://www.dom.com/dominion-hope/customer-service/your-service/rates-and-tariffs.jsp</a>
<b>WV</b>	Mountaineer	<a href="http://www.mgcwv.com/index.php/rates-and-tariffs">http://www.mgcwv.com/index.php/rates-and-tariffs</a>
<b>WV</b>	Peoples Gas	<a href="http://www.equitablegas.com/docs/tariffs/pdf/Peoples_Gas_Tariff_P_S_C__W__Va__No__1.pdf">http://www.equitablegas.com/docs/tariffs/pdf/Peoples_Gas_Tariff_P_S_C__W__Va__No__1.pdf</a>

Table E4-1. PJM Generators Holding Mainline Firm Transportation Contracts

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
Chesterfield	Dominion	Virginia Power Services Energy Corp., Inc.	FTNN	200159	4/27/1999	5/31/2017	TET - Oakford DTI Strg Point (ST)	VA Elec and Power VEPCO (Lady Smith)	42,500
Dresden	Dominion	Appalachian Power Company	FT	200604	2/1/2012	1/31/2022	TET - Oakford	Dresden	109,000
Elgin	Horizon	Amerenenergy Medina Valley Cogen, L.L.C.	FTS	143972-FTSHPC	12/1/2013	5/10/2015	AllncePl/Horizon Joliet #1 Grundy	AEGC /Horizon Aecc	24,000
Elizabeth River	Columbia Gas	Virginia Power Energy Marketing, Inc.	OPT60	86649	7/8/2006	10/31/2015	TCO-Leach	COS Calp	40,000
Ford Mill	Transco	Virginia Power Energy Marketing Inc	FT	1044181	11/1/2002	10/31/2018	Leidy-Dominion Pooling-Station 210	Fairless Enrgy M6309	50,000 50,000
Four Rivers	Dominion	Doswell Limited Partnership	FTNN	200063	6/1/1992	5/31/2017	ETC Northeast Pipeline (TL-360)	Doswell	30,000
							Medix Run (LN50)		32,000
							Rockies Express - Clarington		63,000
Handsome Lake	NFG	Exelon Generation Company, LLC	FT	F10721	5/1/2004	10/31/2010	Lamont	Handsome Lake Power	14,000
Hanging Rock	Texas Eastern	Duke Energy Commercial Asset Management	FT-1	911089-R1	1/1/2014	10/31/2015	Atlas America Inc - LLC, PA.	Lateral 10-U - Dena Hanging Rock -	10,000
Kent	Eastern Shore	NRG Energy Center Dover LLC	FT	10100	11/1/2013	10/31/2028	Transco 6570	Delivery Point Area 5	13,440
Possum Point	Dominion Cove Point	Virginia Power Services Energy Corp., Inc.	FTS	FTS0011	5/1/2005	4/30/2025	DTI/CP Loudoun	OX Into Possum Pt Lateral	70,000
							TGPL/CP Pleasant Valley		25,000
Rock Springs	Columbia Gas	EP Rock Springs LLC	FTS	75242	11/1/2003	10/31/2028	Downingtown-29 Eagle-25	Rock Spring Station	135,000
Rock Springs	Columbia Gas	Old Dominion Electric Cooperative	FTS	75240	11/1/2003	10/31/2028	Downingtown-29 Eagle-25	Rock Springs Station	135,000

Exhibit 4. PJM Generator Contracts and Transportation Categories

July 2, 2015

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
Springdale CC	Dominion	Allegheny Energy Supply Company, LLC	FT	200295	6/1/2003	5/31/2016	TET - Oakford	Allegheny Energy - Springdale	95,000

Table E4-2. PJM Generators Holding Lateral-Only Firm Transportation Contracts

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
Crete	Vector	Crete Energy Venture LLC	FT-1	FT1-CRE-0004	2/1/2002	1/31/2027	Crete Interconnect	Crete Interconnect	108,000
Delta	Transco	Calpine Energy Services, LP	FDLS	9103228	10/1/2010	9/30/2040	Delta Transfer	Delta Pwr Gen M6314	208,800
Grays Ferry	Texas Eastern	Grays Ferry Cogeneration Partnership	FT-1PLP	800516-R1	11/1/1996	10/31/2021	Eagle Station	PGW - Harkness Point - Philadelphia	15,000
Grays Ferry	Texas Eastern	Grays Ferry Cogeneration Partnership	FT-1PEP	910816-R1	11/1/2012	10/31/2027	Philadelphia Lateral	PGW - Harkness Point - Philadelphia	20,000
Hanging Rock	Texas Eastern	Duke Energy Hanging Rock II, LLC	MLS-1HR	910838-R1	4/1/2011	1/31/2033	Duke Energy Hanging Rock Lateral	Duke Energy Ohio, Inc., Hanging Rock	250,000
Ironwood	Texas Eastern	PPL EnergyPlus, LLC	FT-1IRW	910649-R1	7/1/2008	8/31/2020	Ironwood Lateral	PPL Energy - Ironwood, Lebanon Co.,	120,000
Liberty	Texas Eastern	Liberty Electric Power, LLC	FT-1LEP	830106-R1	10/1/2001	9/30/2026	Eagle Station Philadelphia Lateral	Liberty Electric - Delaware County,	84,000
Ronco/Fayette	Texas Eastern	Duke Energy Fayette II, LLC	MLS-1FA	910839-R1	4/1/2011	10/31/2032	Duke Energy Fayette Lateral	Cincinnati Gas & Electric Company d/b/a DEO	125,000



Table E4-3. PJM Generators with Dual-Fuel Capability

Generator	Capacity (MW)	Alternate Fuel(s)	Generator	Capacity (MW)	Alternate Fuel(s)	Generator	Capacity (MW)	Alternate Fuel(s)
Anderson	152.4	DFO	Foster Wheeler Mt Carmel	40.0	WC	Ogden Martin	124.0	MSW
Archibald	64.0	LFG	Four Rivers	939.0	DFO	Panda Brandywine	230.0	DFO
Bayonne Cogen	160.0	KER	Gilbert	606.0	DFO	Parlin	135.0	DFO
Bear Garden	559.0	DFO	Glen Gardner	156.8	DFO	Pedricktown	120.0	KER
Bellemeade	330.0	DFO	Grant Town	95.7	BIT	Penntech / Johnsonburg	60.0	BIT/DFO
Bergen	1,399.6	DFO	Gravel Neck	407.7	DFO	Perryman	192.0	DFO
Bethlehem	1,200.0	DFO	Grays Ferry	157.9	DFO	Pleasants	1,368.0	BIT/DFO
Burlington	242.0	KER	Greenville	236.0	DFO	Polyester / Hopewell	71.1	BIT
Camden Cogen	160.0	KER	Harrison	2,052.0	BIT/DFO	Portland	193.6	DFO
Carlls Corner	83.8	KER	Hay Road	1,097.5	KER	Possum Point	965.9	DFO
Chalk Point	1,868.0	DFO/RFO	Hazelton	171.5	DFO	Powerton	1,785.6	BIT/SUB
Chambersburg Guilford	87.6	DFO	Hopewell	399.0	DFO	Remington	705.5	DFO
Chesterfield	446.6	DFO	Hudson	1,114.5	BIT/KER	Richland	450.0	DFO
Cheswick	630.0	BIT	Hunterstown	58.8	DFO	Richmond	77.4	DFO
Conemaugh	1,872.0	BIT	Hutchings	446.6	BIT/DFO	Riverside	194.0	KER
Crane	399.8	BIT	JK Smith	1,055.0	DFO	Rosemary	180.0	DFO
Cumberland	96.0	KER	Joliet	1,320.0	SUB	Sayreville	212.4	DFO
Darby	564.0	DFO	Kearny	311.2	KER	Sewaren	431.1	RFO
Darbytown	368.4	DFO	Kenilworth	25.0	DFO	Sherman Avenue	109.6	KER
Deepwater	155.1	RFO	Kent	100.0	JF/DFO	South Anna	300.4	DFO
Delaware City	195.7	DFO	Kinkaid	1,319.0	SUB	South Bend	688.0	DFO
Delta / York	560.0	DFO	Ladysmith	357.0	DFO	South River NUG	290.0	DFO
DEMEC	50.0	DFO	Lakewood	236.0	DFO	Springdale	87.6	DFO
Dickerson	326.0	DFO	Linden	384.4	KER	Springdale CC	556.0	DFO
Dicks Creek	116.5	DFO	Louisa	509.1	DFO	Tait	376.0	DFO
Dresden	678.3	DFO	Marcal Paper	65.0	DFO	Tait	308.6	DFO
DRMI	90.0	MSW	Marsh Run	513.3	DFO	Titus	35.6	DFO
Eagle Point	223.0	JF	Martins Creek	1,701.0	RFO	Troy	688.0	DFO
Easton	21.3	DFO	McKee Run	151.2	RFO	Union County RR	39.0	MSW

Exhibit 4. PJM Generator Contracts and Transportation Categories

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Generator	Capacity (MW)	Alternate Fuel(s)	Generator	Capacity (MW)	Alternate Fuel(s)	Generator	Capacity (MW)	Alternate Fuel(s)
Eddystone	1,489.2	BIT/DFO/RFO	Mercer	652.8	BIT	Van Sant	37.4	DFO
Edge Moor	697.8	BIT/DFO/LFG/RFO	Mickleton	71.2	KER	Vineland	68.2	DFO
Edison	502.2	KER	Mone	582.0	DFO	Wagner (Herbert A)	1,043.0	BIT/RFO
Elizabeth River	388.8	DFO	Montpelier	236.0	DFO	Waukegan	681.7	SUB
Essex	595.8	KER	Morris	39.0	OG	West Lorain	555.6	DFO
Fairless Hills	60.0	LFG/DFO	Mountain	53.2	DFO	Woodsdale	489.6	PG
Fluvanna	946.1	DFO	Newark Bay	156.0	KER	Yankee	125.5	DFO
Forked River	76.8	DFO	Oak Grove	344.0	DFO	Zion	596.7	DFO

Table E4-4. PJM Generators Without Mainline Rights or Dual-Fuel Capability

Generator	Capacity (MW)	Generator	Capacity (MW)	Generator	Capacity (MW)
Aurora	1,275.0	Hunlock	44.0	Rocky Road	418.9
Big Sandy	342.0	Hunterstown	810.0	Ronco	675.0
Blossburg	23.6	Ironwood	704.0	Seward	500.0
Brunot Island	340.9	Kendall	1,256.0	Southeast Chicago	407.2
Buchanan	88.0	Lakewood	383.0	Sunoil	50.5
Cat Tractor	68.8	Lawrenceburg	1,232.0	University Park North	540.0
Ceredo	519.0	Lee County	814.4	University Park South	342.0
Chesapeake	122.0	Lincoln	692.0	Warren County	1,329.0
Cordova	690.8	Lower Mount Bethel	582.0	Washington	600.0
Crete	356.0	Notch Cliff	144.0	Waterford	913.0
Elwood	1,728.0	Ontelaunee	557.0	Waukegan	120.0
Flatlick	800.0	Phillips Island	836.1	West Deptford	738.0
Fremont	739.5	Red Oak	750.0	Westport	122.0
Gans	87.6	River Energy	386.0	Wolf Hills	285.0
Gould Street	103.5	Rockford	316.0	Rockford	1,150.0

Exhibit 5. MISO Generator Contracts and Transportation Categories

July 2, 2015

Table E5-5. MISO Generators Holding Mainline Firm Transportation Contracts

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
Angus Anson	Northern Natural	Northern States Power Company (Gen)	TFX_M_4_10 (April-October)	117730	4/1/2012	10/31/2017	Ogden Def. Delivery	Angus C. Anson Sd #1	38,486
							NBPL/NNG Welcome		3,074
Attala	Texas Eastern	Entergy Mississippi, Inc.	FT-1	910501-R6	7/16/2011	12/31/2015		Entergy Mississippi, Inc.	30,000
Baxter Wilson	Columbia Gulf	Entergy Mississippi, Inc.	FTS-1	71725	2/1/2002	12/31/2022	Perryville-Rec	Entergy Mississippi	225,000
Black Dog / High Bridge / Mankato / Riverside	Northern Natural	Northern States Power Company (Gen)	TFX_M_1_12	112203	4/1/2009	10/31/2017	NBPL/NNG Ventura (Nov-Mar: 139,580 Dth/d, Apr-Oct: 207,760 Dth/d)	Mankato Energy Center	12,240
							Ogden Def. Delivery (Nov-Mar: 68,180 Dth/d, Apr-Oct: 0 Dth/d)	Black Dog Power Plant	62,400
								High Bridge Power Plant	70,496
Blue Lake / Cannon Falls	Northern Natural	Northern States Power Company (Gen)	TFX_M_4_10 (April-October)	117731	4/1/2012	10/31/2017	NBPL/NNG Ventura	Blue Lake Power Station	25,440
									Cannon Falls Energy Center
Cambridge / Elk River	Northern Natural	Great River Energy	TFX_M_4_10 (April-October)	125856	4/1/2014	10/31/2016	NBPL/NNG Ventura	Gre Cambridge Power Plant	15,000
									Gre Elk River Plant
Cottage Grove	Northern Natural	LSP-Cottage Grove, L.P.	TF_M_1_12	24042	4/1/2010	9/30/2017	GrLks/NNG Carlton (Nov-Mar: 2,786 Dth/d, Apr-Oct 0 Dth/d)	Cottage Grove Mn (Ls Power)	34,120
							NNG Field/Mkt Demarcation -16B (Nov-Mar: 31,334 Dth/d, Apr-Oct: 34,120 Dth/d)		
Evangeline / Teche	Columbia Gulf	CLECO Power LLC	FTS-1	142039	5/1/2013	4/30/2014	Regency Intrastate Gas Receipt	Cle-Evangeline	30,000
									Cleco-Teche
Gibson City / Grand Tower	NGPL	AmerenEnergy Medina Valley Cogen, L.L.C.	FTS	143971-FTSNGPL	12/1/2013	3/31/2015	KMTP/NGPL Goodrich Polk	Ameren/Ngpl Uedc Gibson City Plant	5,000
									Amerensv/Ngpl Grand Tower Jackson
Grand Tower	NGPL	AmerenEnergy Medina Valley Cogen, L.L.C.	FTS	143999-FTSNGPL	12/1/2013	10/31/2015	Agave/NGPL Shoe Bar Ranch Lea	Amerensv/Ngpl Grand Tower Jackson	12,000

Exhibit 5. MISO Generator Contracts and Transportation Categories

July 2, 2015

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
							Devon GS/NGPL Bridgeport Plt Wise		1,800
							EMP-EOIT/NGPL Beckham		4,200
KGen Hinds	Texas Eastern	Entergy Mississippi, Inc.	FT-1	911006-R1	12/13/2012	3/31/2022		Hinds Power Plant	30,000
KGen Hot Spring	Enable	Entergy Arkansas Inc	FT	1009621	12/1/2012	5/31/2022	Neutral Points And Pools	Entergy Hot Springs	50,000
KGen Hot Spring	Texas Eastern	Entergy Arkansas, Inc.	FT-1	911005-R1	12/13/2012	6/16/2031	Texas Gas/Fayetville, AR.	Hot Spring Lateral (Mainline)	100,000
KGen Hot Spring	Texas Eastern	Entergy Arkansas, Inc.	MLS-1HS	910941-R1	12/1/2012	6/16/2031	Head Of Hot Spring Lateral	Hot Spring Power Plant, Hot Spring	112,000
Lake Catherine / Mabelvale	Enable	Entergy Arkansas Inc	EFT	1008791	5/1/2011	12/31/2016	Neutral Points And Pools (109,816 Dth/d)	Entergy @Mabelvale Acct	5,016
							South Points And Pools (20,000 Dth/d)	Entergy @ Catherine	124,800
Magnet Cove	Enable	Arkansas Electric Cooperative Corporation	FT	1009537	9/10/2012	5/31/2019	West 1 Points And Pools	Magnet Cove Gen Station	80,000
Mankato	Northern Natural	Northern States Power Company (Gen)	TFX_M_4_10 (April-October)	117729	4/1/2012	10/31/2017	NBPL/NNG Welcome	Mankato Energy Center	27,360
Nesbitt	Trunkline	CLECO Power LLC	QNT	23083	5/1/2009	10/31/2014	Perryville In & Out - Enable Gas Tr	Cleco Rodemaker Interconnect	15,000
Nine Mile Point	Gulf South	Entergy Louisiana, LLC	EFT	40489	12/1/2013	11/30/2020	Bosco (Texas Gas)	Nine Mile Power Plt (To Lp&L)	33,334
							Tallulah (From Gulf Crossing)		33,333
Ouachita	AM MidLa	Entergy Arkansas, Inc.	FTS	71687	3/1/2013	2/28/2014	TGP Fairbanks	Ouachita Power	98,667
Ouachita	AM MidLa	Entergy Gulf States, LLC	FTS	71686	3/1/2013	2/28/2014	TGP Fairbanks	Gulf States Ouachita	49,333
Perryville	Tennessee	Entergy Louisiana, LLC	FT-A	72375-FTATGP	6/1/2009	5/31/2029	Enbridge/TGP Panola Transport 2 Pan	Entrgyla/Tgp Perryville	50,000
							ETX Gas/TGP East TX Plant Dehy Pano	Power Ouach	50,000
Pine Bluff	Enable	Pine Bluff Energy LLC	FT	1002470	6/9/2001	6/8/2021	Neutral Points And Pools	Skygen #1	30,000
							South Points And Pools		10,000

Exhibit 5. MISO Generator Contracts and Transportation Categories

July 2, 2015

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
Raccoon Creek	Trunkline	Union Electric Company dba Ameren Missouri	QNT	25654	4/2/2011	3/31/2021	Lakeside - NGPL	Raccoon Creek - Union Electric DbA	20,000
Union Power Partners	Trans-Union	Union Power Partners L.P.	FT	10512	2/9/2001	2/8/2031	Regency Gas	Union Power	430,000
Venice	Mississippi River	Union Electric Company d/b/a Ameren Missouri	FTS	3668	4/1/2005	4/30/2006	Trunkline Gas Receipt NGPL @ Shattuc/Clinton	Ameren Power Plants	7,204 22,796
Whitewater Cogen	Northern Natural	LSP- Whitewater Limited Partnership	TFX_M_1_12	23479	4/1/2010	9/16/2017	NNG Field/Mkt Demarcation -16B	Whitewater (LS Power)	30,400

Table E5-6. MISO Generators with Dual-Fuel Capability

Generator	Capacity (MW)	Alternate Fuel(s)	Generator	Capacity (MW)	Alternate Fuel(s)	Generator	Capacity (MW)	Alternate Fuel(s)
A B Brown	174	DFO	Germantown	93	DFO	Paris	400	DFO
Baxter Wilson	1,167	RFO	Gibson City	270	DFO	Pleasant Hill	194	DFO
Broadway	135	DFO	Glendive	75	DFO	Pleasant Valley	493	DFO
Cannon Falls	356	DFO	Granite City	76	DFO	Pulliam	108	DFO
Cascade Creek	88.9	DFO	Harding Street	378	DFO	R A Reid	60	DFO
City Water Light - Jonesboro	169	DFO	Henderson	56.9	DFO	Riverside	624	Oil
Concord	400	DFO	High Bridge	540	Oil	Solway	50	DFO
Custer Energy Center	24	DFO	Inver Hills	428	DFO	Sycamore	190	DFO
D E Karn	1,276	RFO	Kaukauna	16	Oil	Trigen St Louis	28	Oil
De Pere Energy Center	196	DFO	Kinmundy	260	DFO	Venice	605	DFO
Dell	679	DFO	Lakefield Junction	594	DFO	Waterford 1 & 2	822	RFO
Electrifarm	243	DFO	Little Gypsy	1,168	DFO	West Marinette (WPS)	200	DFO
Elk River	220	DFO	Marion	176	DFO	Weston	82	DFO
Escanaba	18	Oil	Meramec	50	DFO	Wheaton	451	DFO
Fairmont	39	DFO	Miles City	25	DFO	Willow Glen	650	DFO/RFO
Fairbault	255	DFO	Minnesota River	48	Oil	Wood River	446	SUB
Fox Energy Center	520	DFO	Moselle	509	DFO/RFO			
Gerald Andrus	640	RFO	New Prague	18	DFO			

Table E5-7. MISO Generators Without Mainline Rights or Dual-Fuel Capability

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Generator</b>	<b>Capacity (MW)</b>	<b>Generator</b>	<b>Capacity (MW)</b>
Acadia Energy Center	1,107	Greater Des Moines	570	R S Nelson	420
Alsey	120	Greenwood	1,064	Red Cedar	27
Audrain	736	Grinnell	50	Reliant Shelby	360
Axiall Plaquemine	360	Hancock	183	Renaissance	776
B C Cobb	183	Hargis-Hebert	96	Rex Brown	233
B E Morrow	34	Harry L Oswald	548	River Hills	150
Bailly	31	Henry County	129	Riverside Energy Center	542
Batesville	837	Holland Energy	710	Rock River	160
Bay Front	21	Houma	77	RockGen Energy Center	534
Bayou Cove	320	Interstate	134	Roquette America	35
Beaumont Refinery	300	Island St. Kaukauna	61	RS Cogen	235
Belle River	279	J C Weadock	17	Sabine	1,809
Benndale	16	J H Campbell	21	Sabine Cogen	56
Big Cajun 1	486	J R Whiting	17	San Jacinto County	150
Bonin	171	John H Warden	18	Sappi Cloquet Mill	22
Burlington	62	Kalamazoo	70	Sheboygan Falls	300
Calcasieu	310	Kalkaska	50	Sheepskin	40
Carl Bailey	122	Kinder Morgan Power Jackson	560	Silver Creek	249
Carville Energy	485	Lawrence County	261	South Fond Du Lac	352
Cayuga	120	Lewis Creek	460	SRW Cogeneration	490
Columbia	192	Lincoln	18	St Clair	23
Columbia W&L	48	Livingston	132	St Paul Cogeneration	40
Combined Locks Energy Center	48	Louisiana 1	150	Sterlington	177
Coralville	80	Madison Station	704	Straits	21
Cottonwood	1,327	Marshfield	60	Sugar Creek	578
Cypress-Hardin County Peaking	150	McClellan	134	Summit Lake	82
D G Hunter	130	Merle Parr	36	Sumpter	340
Dean H Mitchell	17	Michigan Power	123	Superior	76
Dearborn Industrial	715	Michoud	777	Sylvarena	135

**Exhibit 5. MISO Generator Contracts and Transportation Categories**

July 2, 2015

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Generator</b>	<b>Capacity (MW)</b>	<b>Generator</b>	<b>Capacity (MW)</b>
Delray	159	Midland Cogeneration Venture	1,710	T J Labbe	96
Dow Chemical Texas	900	Moline	80	Taft Cogeneration	866
DTE East China	384	Morgan City	51	Tenaska Frontier Generation	830
Dubuque	65	Neenah	317	Thetford	233
Edwardsport	795	New Covert Generating	1,080	Tilton	187
Elk Mound	70	Noblesville	310	Union Carbide Texas City	75
Emery Station	382	Northeast	174	Vermillion	720
Fermi	75	NRG Sterlington	130	Wabash River	282
Flambeau	20	Owatonna	20	West Campus Cogen	130
Fox Lake	88	Pinckneyville	368	West Marinette (MGE)	88
Freedom Power	47	Plaquemine	38	Wheatland	488
Gaylord	157	Point Beach	19	Whiting Clean Energy	525
Georgetown	360	Port Washington	1,231	Worthington	172
Goose Creek	552	R M Schahfer	155	Zeeland	1,247

Notes:

- Attala contract has no primary receipt points, but can utilize secondary receipt points in Louisiana
- Hinds contract has no primary receipt points, but can utilize secondary receipt points in East Louisiana
- Hinds contract volume varies throughout the year: 30 MDth/d in January and February, 5 MDth/d in March, 30 MDth/d in April, 35 MDth/d in May, 80 MDth/d In June through August, 60 MDth/d in September and 5 MDth/d in October through December

Table E6-8. NYISO Generators Holding Mainline Firm Transportation Contracts

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
Allegany	Dominion	Allegany Generating Station LLC A NY Company	FT	200647	12/21/2013	3/31/2014	TGP - Ellisburg	RG&E - Allegany	12,100
Arthur Kill	Texas Eastern	RRI Energy Services, LLC	FT-1	910204-R2	6/1/2011 (11/1/2002)	10/31/2022		National Grid Metro NY, Goethals Rd	50,000
Athens	Iroquois	New Athens Generating Co., LLC	RTS	268001	9/1/2003	9/1/2018	Wright	Athens	70,000
Bowline	Millennium	NRG Power Marketing LLC	FT-2	147850	11/1/2013	2/28/2014	Ramapo	Bowline M.S.	75,000
Brooklyn Navy Yard	Iroquois	Brooklyn Navy Yard Cogen. Partners, LP	RTS	198001	10/1/1996	10/1/2016	Waddington	South Commack	25,548
Castleton Fort Orange	Dominion	Castleton Power, LLC	FT	200220	5/10/2000	10/31/2032	TGP - Marilla	Ceti (Indeck)	14,275
Flynn	Transco	New York Power Authority	FT	9041828	7/1/2006	3/31/2017	Leidy-Dominion	Consolidated Edison Long Island Lighting	15,420 15,420
Indeck Corinth	Dominion	Indeck-Corinth Limited Partner	FT	200067	11/1/1994	7/1/2015	ANR - Lebanon	Corinth (Indeck)	26,200
Independence	Empire	Sithe/Independence Power Partners, LP	FTO-A	F11045	12/10/2008	12/9/2014	Chippawa	Phoenix Line 63 - Sithe	185,557
Ravenswood	Iroquois	TC Ravenswood, LLC	RTS	284002	2/5/2004	3/1/2014	Waddington	Hunts Point	40,000
Selkirk	Iroquois	Selkirk Cogen Partners, LP	RTS	45005	11/1/1994	11/1/2014	Waddington	Wright	55,643
Selkirk	Tennessee	Selkirk Cogen Partners, L. P.	FT-A	6629-FTATGP	11/1/1994	10/31/2014	Iroquois/TGP Wright SMS Schoharie	BP Energ/TGP Selkirk SMS Albany	55,000

Table E6-9. NYISO Generators Holding Lateral-Only Firm Transportation Contracts

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
Bayonne	Transco	Bayonne Energy Center, LLC	FDLS	9123002	4/5/2012	4/4/2032	Bayonne Transfer	BEC M6323	125,000



Table E6-10. NYISO Generators with Dual-Fuel Capability

Generator	Capacity (MW)	Alternate Fuel(s)	Generator	Capacity (MW)	Alternate Fuel(s)
59th Street	17	KER	Indeck Corinth	147	FO2
Astoria	779	FO6	Indeck Olean	91	FO2
Astoria East Energy	640	FO2	Indeck Oswego	57	FO2
Astoria Energy 2	660	FO2	Indeck Silver Springs	57	FO2
Athens	1,323	FO2	Indeck Yerkes	60	FO2
Barrett	669	FO2	International Crossroads	3	FO2
Bayonne	512	KER	KIAC	121	FO2
Beaver Falls	108	FO2	Linden	1,035	BUT
Bethlehem	893	FO2	LIPA Freeport	60	FO2
Bowline	1,242	FO6	Lockport	221	FO2
Brooklyn Navy Yard	322	FO2	Massena	102	FO2
Caithness	375	FO2	Narrows	352	KER
Carr Street	123	FO2	Northport	1,548	FO6
Carthage	63	FO2	NRG Astoria	558	KER
Castleton Fort Orange	72	FO2	NYPA Astoria	576	JF
Charles P Keller	30	FO2	Oswego Harbor Power	425	FO6
Coxsackie	22	KER	Pinelawn	82	KER
Danskammer	532	RFO/BIT	Port Jefferson	482	FO2/FO6
East River	730	KER/FO6	Ravenswood	2,536	KER/FO2/FO6
Empire	670	FO2	Rensselaer	104	FO2
Flynn	170	FO2	Roseton	1,242	FO6
Fortistar North Tonawanda	55	FO2	Selkirk	446	FO2
Freeport Electric	61	FO2	Shoemaker	42	KER
Glenwood	106	FO2	Stony Brook	47	FO2
Gowanus	320	FO2	Syracuse	103	FO2
Hillburn	47	KER	Trigen Nassau	55	FO2

Table E6-11. NYISO Generators Without Mainline Rights or Dual-Fuel Capability

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Generator</b>	<b>Capacity (MW)</b>
Batavia	67	Kent	50
Brentwood/NYPA Pilgrim	44	LIPA Bethpage	96
Calpine Bethpage	144	NYPA Gowanus	100
Far Rockaway	60	Pilgrim/PPL Edgewood	88
Harlem River	80	Pouch	50
Hellgate	80	Sterling	65
Jamestown	47	Vernon Boulevard	80

Notes:

- NRG Power Marketing LLC is the Agent for RRI Energy Services, LLC’s Arthur Kill contract
- The Arthur Kill contract does not have primary receipt points, secondary receipt points are available along the system from Louisiana to the north
- Where two dates are shown for Begin Date, the date in parentheses is the original contract effective date
- At Oswego Harbor Power, oil is the primary fuel, and one 425-MW unit can use natural gas as a secondary fuel

Table E7-12. ISO-NE Generators Holding Mainline Firm Transportation Contracts

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
Granite Ridge	Tennessee	Granite Ridge Energy, LLC	FT-A	37895-FTATGP	10/7/2001	10/6/2021	Maritime/TGP Dracut Middlesex	Granridg/TGP Granite Ridge Rockingh	130,000
							Mendon		15,000
Lake Road	Algonquin	Lake Road Generating Company, L.P.	AFT-1	510101-R4	12/1/2012 (4/1/2003)	10/31/2014	Mahwah (Bergen,NJ)	PG&E Lake Road (Windham,CT)	15,000
							Algonquin - Lambertville, NJ		10,335
Milford Power (CT)	Iroquois	Milford Power Co. LLC	RTS	271002	11/1/2000	4/1/2026	Waddington	Milford B	35,000
NRG Devon	Iroquois	Connecticut Light & Power Company	RTS	174001	7/1/1994	7/1/2014	Shelton A	Devon	54,631
RISEP	Tennessee	Entergy Rhode Island State Energy, L.P.	FT-A	40855-FTATGP	9/1/2002	1/31/2016	Maritime/TGP Dracut Middlesex	EntrgyNU/TGP FPLE RISE Providence	45,000
Wallingford	Algonquin	Wallingford Energy LLC	AFT-1	510575-R2	11/1/2013 (3/9/2011)	10/31/2017	Algonquin - Lambertville, NJ	Wallingford Energy Interconnect (Fa	10,000

Table E7-13. ISO-NE Generators Holding Lateral-Only Firm Transportation Contracts

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
ANP Bellingham	Algonquin	ANP Bellingham Energy Company, LLC	AFTCLBE	99039-R1	4/1/2001	3/31/2021	Lateral Y System	ANP Bellingham Energy Company (Norf	110,000
Brayton Point	Algonquin	Brayton Point Energy, LLC	AFT-CLB	510694-R1	4/1/2013	3/31/2019	G-22 System	Brayton Point Energy, LLC	120,000
Bridgeport Energy	Iroquois	Bridgeport Energy, LLC	RTS	604501	5/4/2006	8/1/2018	River Road	Stratford	94,000
Canal	Algonquin	Genon Canal,LLC	AFT-CL	510534-R1	9/1/2010 (8/9/2006)	8/8/2021	Interconnect AGT G-Sys Bourne, MA &	Mirant Canal, (Barnstable,MA)	75,000
Cleary	Algonquin	Taunton Municipal Lighting Plant	AFT-CLC	66667-R2	7/1/2012 (1/1/1998)	5/31/2022	Interconnect AGT G-10 Lat & Cleary	TMPL (Bristol,MA)	27,000
EP Newington Energy	M&N	EP Newington Energy, LLC	MNLFTNW	210032-R1	5/1/2002	#####	Newington Lateral Accounting Point	Newington Power Meter Station	90,000
Kleen Energy	Algonquin	Kleen Energy Systems, LLC	AFT-CLM	510505-R1	1/4/2010	1/3/2025	Interconnect Between Middleton Lat	Kleen Energy Lateral Mainline	101,000
Kleen Energy	Algonquin	Kleen Energy Systems, LLC	AFT-CLK	510506-R1	1/4/2010	1/3/2025	Kleen Energy Lateral	Kleen Energy	131,000
Lake Road	Algonquin	Lake Road Generating Company, L.P.	AFT-CLR	98005LR-R1	8/1/2000	7/31/2020	Lateral Z System	PG&E Lake Road (Windham,CT)	146,000
Maine Independence	M&N	Casco Bay Energy Company, LLC	MNLFTVZ	9000-R1	1/1/2000	#####	Veazie Lateral Accounting Point	Casco Bay	105,000
Manchester Street	Algonquin	Virginia Power Energy Marketing Inc	AFTCLMS	510294-R2	4/1/2012 (1/1/2005)	3/31/2020	G-12 System	PG&E Manchester St, (Providence,RI)	95,455
NRG Middletown	Algonquin	The Connecticut Light And Power Company	AFT-CLM	66668-R1	1/1/1998	6/27/2017	Interconnect Between Middleton Lat	NRG Middletown, (Middlesex,CT)	82,500
Pierce	Algonquin	Connecticut Municipal Electric Energy Cooperative	AFT-1	510381-R1	1/1/2008	12/31/2022	Lateral C-8 System	CMEEC-Pierce Power Plant-(New Haven	2,489

**Table E7-14. ISO-NE Generators with Dual-Fuel Capability**

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Alternate Fuel(s)</b>	<b>Generator</b>	<b>Capacity (MW)</b>	<b>Alternate Fuel(s)</b>	<b>Generator</b>	<b>Capacity (MW)</b>	<b>Alternate Fuel(s)</b>
Altresco	183	DFO	L'Energia	78	DFO	Pawtucket Power	61	DFO
Brayton Point	446	RFO	Lowell Cogen	30	DFO	Pierce	95	DFO
Bucksport Energy	153	DFO	Manchester	340	DFO	PSNH Newington	400	RFO
Canal	547	RFO	MATEP	49	DFO	Stony Brook	354	DFO
CDECCA	61	DFO	Montville	82	RFO	Thomas A Watson	115	DFO
Cleary	110	RFO	Mystic 7	560	RFO	Verso Cogen	167	KER
Dartmouth Power	89	DFO	NEA Bellingham	337	DFO	Waterbury	99	DFO
Dexter	4	DFO	New Haven	146	KER	Waters River	68	DFO
GenConn Devon	197	KER	Harbor	453	RFO	West Springfield	94	DFO
GenConn Middletown	197	KER	NRG Devon	118	JF		100	RFO
Ipswich Diesels	10	DFO	NRG Middletown	39	KER			
Kleen Energy	620	DFO		364	RFO			

**Table E7-15. ISO-NE Generators Without Mainline Rights or Dual-Fuel Capability**

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Generator</b>	<b>Capacity (MW)</b>	<b>Generator</b>	<b>Capacity (MW)</b>
ANP Bellingham	532	Fore River	843	Ocean State Power	635
ANP Blackstone	515	Kendall	244	Potter	91
Berkshire Power	246	Maine Independence	538	Rocky River	15
Bridgeport Energy	534	Mass Power	280	Rumford Power	269
Dighton	185	Milford Power (MA)	171	Tiverton	279
EP Newington Energy	561	Millennium	384	Westbrook Energy Center	548

Notes:

- Lake Road holds two separate contracts on Algonquin, one with receipts points on the mainline and one for the plant lateral
- Where two dates are shown for Begin Date, the date in parentheses is the original contract effective date
- NRG Power Marketing, Inc. is the Agent for the Connecticut Light & Power contracts
- Connecticut Light & Power also holds a contract for firm backhaul on the NRG Middletown path.
- Only two of the three Manchester Street units are dual-fuel capable.

Table E8-16. TVA Generators Holding Mainline Firm Transportation Contracts

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
Caledonia	Tennessee	Tennessee Valley Authority	FT-A	65069-FTATGP	11/1/2007	2/28/2022	Kinetica/TGP Port Sulphur Plaquemin	Cal Gen/TGP Lowndes	40,000
Caledonia	Tennessee	Tennessee Valley Authority	FT-A	74615-FTATGP	11/1/2009	2/28/2022	Egan Hub/TGP Egan Gas Storage Acadi	Cal Gen/TGP Lowndes	50,000
Caledonia	Tennessee	Tennessee Valley Authority	FT-A	104664-FTATGP	1/1/2013	2/28/2022	Egan Hub/TGP Egan Gas Storage Acadi	Cal Gen/TGP Lowndes	30,000
							Pooling Pt - 500 Leg - Zone L		10,000
Decatur	Tennessee	Tennessee Valley Authority	FT-A	104663-FTATGP	1/1/2013	12/31/2022	Egan Hub/TGP Egan Gas Storage Acadi	AMMid BA/TGP Bamagas Colbert	70,000
							Pooling Pt - 500 Leg - Zone L		50,000
Gleason	ANR	Tennessee Valley Authority	FTS-3	114655	6/1/2012	5/31/2022	Centerpoint/Perryville	Weakley County Int	50,000
Gleason	ANR	Tennessee Valley Authority	FTS-3	114656	6/1/2012	5/31/2022	S E Headstation	Weakley County Int	50,000
									Mainline Jewell Ridge
John Sevier	East Tennessee	Tennessee Valley Authority	FT-ANET	410402-R1	9/1/2011	8/31/2036	Transco – Cascade Creek (Receipt)	TVA - John Sevier	75,000
Lagoon Creek / Southaven	Texas Gas	Tennessee Valley Authority	STF	31033	11/1/2010	3/31/2020	Lowry	TVA-Lagoon Creek	4,500
								TVA-Southaven	85,500
Lagoon Creek / Southaven	Texas Gas	Tennessee Valley Authority	WNS	30553	11/1/2010	3/31/2020	Tejas Power-Egan	TVA-Lagoon Creek	1,000
								TVA-Southaven	44,000
Lagoon Creek CC	Trunkline	Tennessee Valley Authority	QNT	22516	6/1/2010	5/31/2020	LA 1 Storage Field - Acctg Meter	Lagoon Creek - TVA	35,000
Lagoon Creek CC	Trunkline	Tennessee Valley Authority	QNT	22517	6/1/2010	5/31/2020	LA 1 Storage Field - Acctg Meter	Lagoon Creek - TVA	70,000
Magnolia	Tennessee	Tennessee Valley Authority	FT-A	74616-FTATGP	11/1/2009	10/31/2019	Egan Hub/TGP Egan Gas Storage Acadi	TVA/TGP Magnolia Benton	50,000

Exhibit 8. TVA Generator Contracts and Transportation Categories

July 2, 2015

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (Dth/d)
Magnolia	Tennessee	Tennessee Valley Authority	FT-A	76150-FTATGP	1/1/2010	10/31/2014	Midwstrn/TGP Mgt SMS Sumner	TVA/TGP Magnolia Benton	100,000
Smith	East Tennessee	Oglethorpe Power Corporation	FT-AMUR	410465-R1	4/16/2013	1/31/2022	Texas Eastern - Mt. Pleasant, Giles	Thomas A. Smith Energy Facility-MUR	50,000
							VS 3214		115,000

Table E8-17. TVA Generators with Dual-Fuel Capability

Generator	Capacity (MW)	Alternate Fuel(s)
Allen	572	DFO
Colbert	464	DFO
Gallatin	752	DFO
John Sevier	955	DFO
Johnsonville	1,440	DFO
Kemper County	384	DFO
Lagoon Creek	1,160	DFO
Marshall County	768	DFO

Table E8-18. TVA Generators Without Mainline Transportation Contracts or Dual-Fuel Capability

Generator	Capacity (MW)
Brownsville	496
Morgan	807
Quantum Choctaw	760

Notes:

- TVA contract #30553 with Texas Gas includes a storage entitlement for 135 MDth of capacity, with an injection / withdrawal rate of 22.5 MDth/d.
- TVA holds two storage contracts at Egan Hub, each with a capacity of 1,000 MDth. Contract receipt / delivery points include ANR, Tennessee, Texas Eastern and Texas Gas.

Table E9-19. IESO Generators Holding Mainline Firm Transportation Contracts

Station	Pipeline	Contract Holder	Rate Schedule	Contract #	Begin Date	End Date	Receipt Point	Delivery Point	Volume (GJ/d)	Volume (Dth/d)
Goreway	TransCanada	Goreway Station Partnership	FT-SN	36992	1/1/2009	10/31/2028	Union Parkway Belt	Goreway CDA	20,000	18,956
Goreway	TransCanada	Goreway Station Partnership	FT-SN	36993	1/1/2009	10/31/2016	Union Parkway Belt	Goreway CDA	120,000	113,738
Goreway	Union	Goreway Station Partnership		M12110	11/1/2007	10/31/2028	Dawn	Parkway	140,000	132,694
Greater Toronto Airports Authority	TransCanada	Greater Toronto Airports Authority	FT	20383	11/1/2003	10/31/2016	Union Dawn	Enbridge CDA	1,100	1,043
Greater Toronto Airports Authority	TransCanada	Greater Toronto Airports Authority	FT	28756	4/1/2006	10/31/2018	Union Parkway Belt	Enbridge CDA	7,500	7,109
Greater Toronto Airports Authority	Union	Greater Toronto Airports Authority		M12120	11/1/2007	10/31/2018	Dawn	Parkway	7,500	7,109
Greenfield	Union	Greenfield Energy Centre LP		C10083	3/1/2008	10/31/2018	Dawn	Dawn-Vector	92,845	88,000
Halton Hills	TransCanada	TransCanada Energy Ltd.	FT	29557	12/2/2006	12/31/2018	Union Dawn	GMIT EDA	100,000	94,782
Halton Hills	Union	TransCanada Power		M12131	11/1/2009	10/31/2018	Dawn	Parkway	132,000	125,112
Iroquois Falls	TransCanada	Iroquois Falls Power Corp.	FT	6498	9/1/1996	8/31/2016	Empress	Union NDA	20,874	19,785
Kapuskasing / North Bay	TransCanada	Atlantic Power Limited Partnership	FT	13757	2/1/2000	10/31/2016	Empress	Union NDA	8,182	7,755
Kapuskasing / North Bay	TransCanada	Atlantic Power Limited Partnership	FT	13758	2/1/2000	10/31/2016	Empress	Union NDA	8,182	7,755
Kapuskasing / North Bay	TransCanada	Atlantic Power Limited Partnership	FT	48018	11/1/2013	10/31/2014	Empress	Union NDA	518	491
Kapuskasing / North Bay	TransCanada	Atlantic Power Limited Partnership	FT	48023	11/1/2013	10/31/2014	Empress	Union NDA	518	491
Kapuskasing / North Bay	TransCanada	Atlantic Power Limited Partnership	FT	48171	12/1/2013	11/30/2014	Empress	Union NDA	500	474



**Exhibit 9. IESO Generator Contracts and Transportation Categories**

July 2, 2015

<b>Station</b>	<b>Pipeline</b>	<b>Contract Holder</b>	<b>Rate Schedule</b>	<b>Contract #</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Receipt Point</b>	<b>Delivery Point</b>	<b>Volume (GJ/d)</b>	<b>Volume (Dth/d)</b>
Kingston	TransCanada	Kingston CoGen Limited Partnership	FT	6570	10/1/1996	10/31/2016	Empress	Union EDA	21,045	19,947
Lake Superior	TransCanada	Lake Superior Power Limited Partnership	FT	39703	1/1/2011	12/31/2016	SS. Marie	Union SSMDA	10,100	9,573
Nipigon	TransCanada	Atlantic Power Limited Partnership	FT	47132	7/3/2013	10/31/2016	Empress	TCPL WDA	4,000	3,791
Nipigon	TransCanada	Atlantic Power Limited Partnership	FT	47287	8/7/2013	10/31/2016	Empress	TCPL WDA	900	853
Nipigon	TransCanada	Atlantic Power Limited Partnership	FT	47466	9/16/2013	10/31/2016	Empress	TCPL WDA	500	474
Nipigon	TransCanada	Atlantic Power Limited Partnership	FT	47872	10/23/2013	10/31/2014	Empress	TCPL WDA	800	758
Nipigon	TransCanada	Atlantic Power Limited Partnership	FT	48172	12/1/2013	11/30/2014	Empress	TCPL WDA	200	190
Portlands	TransCanada	Portlands Energy Centre L.P.	FT-SN	37098	1/22/2009	11/30/2016	Union Parkway Belt	Victoria Square #2 CDA	100,000	94,782
Portlands	Union	Portlands Energy Centre L.P.		M12130	1/13/2009	10/31/2028	Dawn	Parkway	100,000	94,782
Thorold	TransCanada	Thorold CoGen L.P.	FT-SN	38101	9/1/2009	8/31/2019	Kirkwall	Thorold CDA	49,500	46,917
Thorold	Union	Thorold CoGen L.P.	M12129		1-Sep-09	9/1/2009	8/31/2029	Kirkwall	49,500	46,917
Tunis	TransCanada	Atlantic Power Limited Partnership	FT	5044	11/1/1994	10/31/2014	Empress	TCPL NDA	7,536	7,143
Tunis	TransCanada	Atlantic Power Limited Partnership	FT	47873	10/23/2013	10/31/2014	Empress	TCPL NDA	564	535
York	TransCanada	York Energy Centre LP	FT-SN	44483	11/1/2012	4/30/2022	Union Parkway Belt	Schomberg #2 CDA	87,654	83,080
York	Union	York Energy Centre LP		C10102	4/1/2012	3/31/2015	Dawn	Parkway	11,654	11,046
York	Union	York Energy Centre LP		M12184	4/1/2012	10/31/2022	Dawn	Parkway	76,000	72,034

**Table E9-20. IESO Generators with Dual-Fuel Capability**

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Alternate Fuel(s)</b>
Lennox	2,100	Oil

**Table E9-21. IESO Generators Without Mainline Rights or Dual-Fuel Capability**

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Generator</b>	<b>Capacity (MW)</b>
Brighton Beach	580.0	Maitland	50.0
Cardinal	184.0	Ottawa	79.8
Cochrane	46.5	Sarnia	510.0
Douglas	126.0	St. Clair	678.0
Dow Chemical	100.0	West Windsor	128.0
East Windsor	100.0	Whitby	56.4
Kirkland	149.0	Windsor	79.0