

OUTLINE OF APPENDIX VI

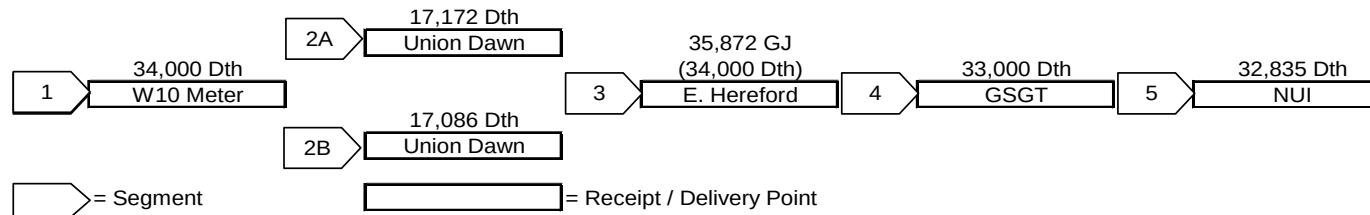
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Appendix VI-1. Capacity Paths

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Washington 10 Storage

Capacity Path Diagram



Capacity Path Detail

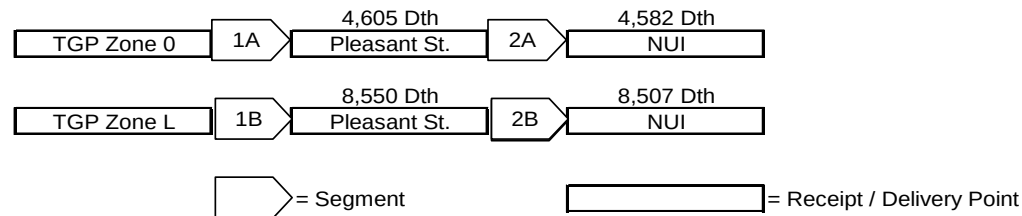
Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1 ¹	Storage	Washington 10	01052	Firm Storage	3/31/2018	34,000	Dth	Year-Round	NA	W10 Withdrawal Meter	Vector
2A ²	Transportation	Vector	CRL-NUI-0725	FT	10/31/2017	17,172	Dth	Year-Round	W10 Withdrawal Meter	Union Dawn	TransCanada
2B	Transportation	Vector	CRL-NUI-0727	FT	3/31/2017	17,086	Dth	Winter Only (Nov - Mar)	W10 Withdrawal Meter	Union Dawn	TransCanada
3	Transportation	TransCanada	33322	FT	3/31/2018	35,872	GJ	Year-Round	Union Dawn	East Hereford	PNGTS
4	Transportation	PNGTS	1997-004	FT	3/9/2019	33,000	Dth	Winter Only (Nov - Mar)	Pittsburgh, NH	Granite	Granite
5	Transportation	Granite	10-010-FT-NN	FT-NN	10/31/2012	32,885	Dth	Year-Round	Granite	Northern City Gates	
Total Path Deliverable						32,885	Dth				

Note 1: Washington 10 Contract 01052 has a maximum storage quantity of 3,400,000 Dth.

Note 2: Vector Contract No. CRL-NUI-0725 allows for receipt from the Alliance Interconnect (Chicago). Gas is received on this contract at the W10 Withdrawal meter on a secondary, firm basis. This capacity is used for summer refill of the Washington 10 storage contract.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Tennessee Production Area

Capacity Path Diagram



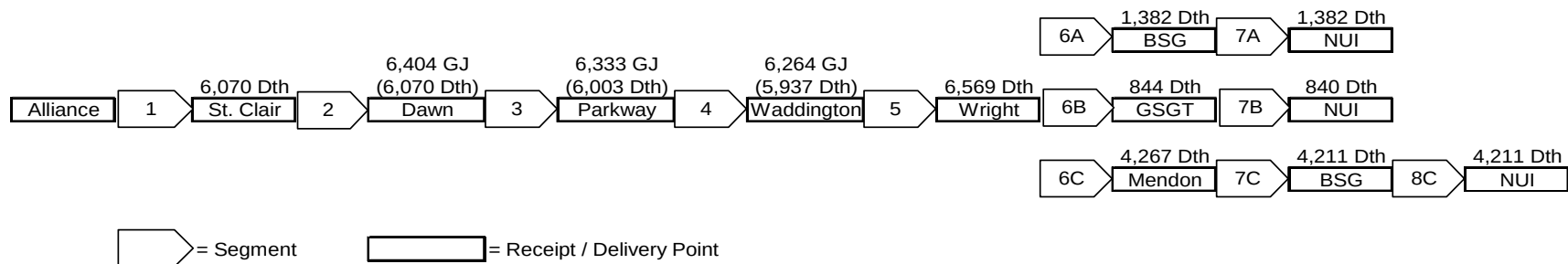
Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1A ¹	Transportation	Tennessee	5083	FT-A	10/31/2018	4,605	Dth	Year-Round	Zone 0, 100 Leg	Pleasant St.	Granite
2A	Transportation	Granite	10-010-FT-NN	FT-NN	10/31/2012	4,589	Dth	Year-Round	Granite	Northern City Gates	
1B ¹	Transportation	Tennessee	5083	FT-A	10/31/2018	8,550	Dth	Year-Round	Zone L, 500 & 800 Legs	Pleasant St.	Granite
2B	Transportation	Granite	10-010-FT-NN	FT-NN	10/31/2012	8,520	Dth	Year-Round	Granite	Northern City Gates	
Total Path Deliverable						13,109	Dth				

Note 1: Tennessee Contract No. 5083 also allows for firm delivery rights to Bay State Gas city gates. As such, Tennessee Production could also be delivered to Northern City Gates via the Bay State Exchange.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Chicago (Interconnection of Alliance and Vector Pipelines)

Capacity Path Diagram

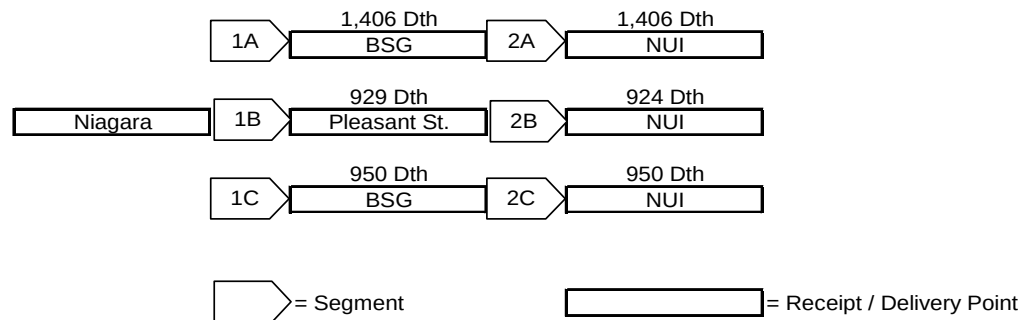


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Vector	FT-1-NUI-0122	FT-1	3/31/2016	6,070	Dth	Year-Round	Alliance Pipeline Interconnect	St. Clair	Union
2	Transportation	Vector	FT-1-NUI-C0122	FT-1	3/31/2016	6,404	GJ	Year-Round	St. Clair	Dawn	
3	Transportation	Union	M12205	M12	10/31/2017	6,333	GJ	Year-Round	Dawn	Parkway	
4	Transportation	TransCanada	41235	FT	10/31/2017	6,264	GJ	Year-Round	Parkway	Waddington	Iroquois
5	Transportation	Iroquois	R181001	RTS-1	10/31/2017	6,569	Dth	Year-Round	Waddington	Wright	Tennessee
6A	Transportation	Tennessee	95196	FT-A	10/31/2017	1,382	Dth	Year-Round	Wright	Bay State City Gate	Granite
7A	Exchange	Bay State Gas	NA	NA	Renewal Clause	1,382	Dth	Year-Round	Bay State City Gate	Northern City Gates	
6B	Transportation	Tennessee	95196	FT-A	10/31/2017	844	Dth	Year-Round	Wright	Pleasant St.	
7B	Transportation	Granite	10-010-FT-NN	FT-NN	10/31/2012	841	Dth	Year-Round	Granite	Northern City Gates	Algonquin
6C	Transportation	Tennessee	41099	FT-A	10/31/2017	4,267	Dth	Year-Round	Wright	Mendon	
7C	Transportation	Algonquin	93200F	AFT-1	10/31/2012	4,211	Dth	Year-Round	Mendon	Bay State City Gate	
8C	Exchange	Bay State Gas	NA	NA	Renewal Clause	4,211	Dth	Year-Round	Bay State City Gate	Northern City Gates	
Total Path Deliverable						6,434	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Niagara (Interconnection of TransCanada and Tennessee Pipelines)

Capacity Path Diagram

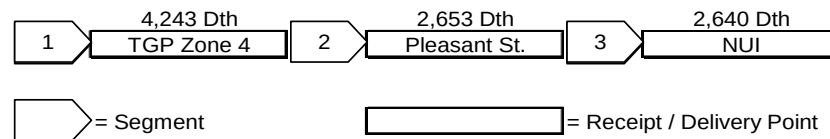


Capacity Path Detail

Capacity Path Deliverable											
Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1A	Transportation	Tennessee	5292	FT-A	3/31/2015	1,406	Dth	Year-Round	Niagara	Bay State City Gate	Granite
2A	Exchange	Bay State Gas	NA	NA	Renewal Clause	1,406	Dth	Year-Round	Bay State City Gate	Northern City Gates	
1B	Transportation	Tennessee	39735	FT-A	3/31/2015	929	Dth	Year-Round	Niagara	Pleasant St.	
2B	Transportation	Granite	10-010-FT-NN	FT-NN	10/31/2012	926	Dth	Year-Round	Granite	Northern City Gates	
1C	Transportation	Tennessee	46314	FT-A	3/31/2012	950	Dth	Year-Round	Niagara	Bay State City Gate	
2C	Exchange	Bay State Gas	NA	NA	Renewal Clause	950	Dth	Year-Round	Bay State City Gate	Northern City Gates	
Total Path Deliverable						3,282	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Tennessee Firm Storage - Market Area

Capacity Path Diagram



Capacity Path Detail

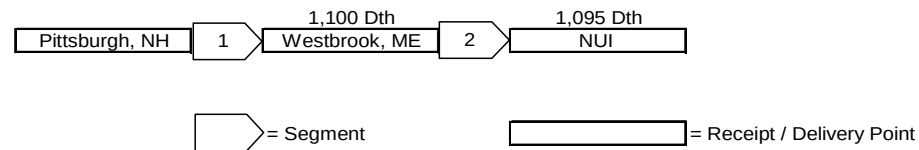
Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1 ¹	Storage	Tennessee	5195	FS-MA	3/31/2015	4,243	Dth	Year-Round	NA	TGP Zone 4	Tennessee
2 ²	Transportation	Tennessee	5265	FT-A	3/31/2015	2,653	Dth	Year-Round	TGP Zone 4	Pleasant St.	Granite
3	Transportation	Granite	10-010-FT-NN	FT-NN	10/31/2012	2,644	Dth	Year-Round	Pleasant St.	Northern City Gates	
Total Path Deliverable						2,644	Dth				

Note 1: Tennessee Contract No. 5195 has a maximum storage quantity of 259,337 Dth.

Note 2: Tennessee Contract No. 5265 also allows for firm delivery rights to Bay State Gas city gates. As such, Tennessee Production could also be delivered to Northern City Gates via the Bay State Exchange.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Pittsburgh, NH (Interconnection of TransCanada and PNGTS Pipelines)

Capacity Path Diagram

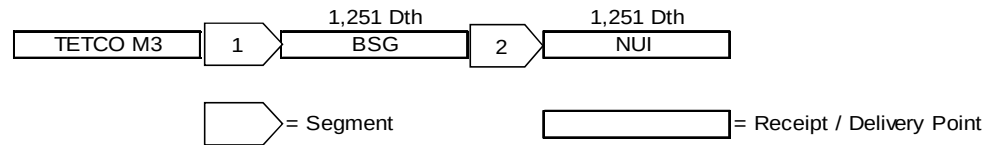


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	PNGTS	1997-003	FT	3/9/2019	1,100	Dth	Year-Round	Pittsburgh, NH	Westbrook, ME	Granite
2	Transportation	Granite	10-010-FT-NN	FT-NN	10/31/2012	1,096	Dth	Year-Round	Granite	Northern City Gates	
Total Path Deliverable						1,096	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Texas Eastern Zone M3

Capacity Path Diagram

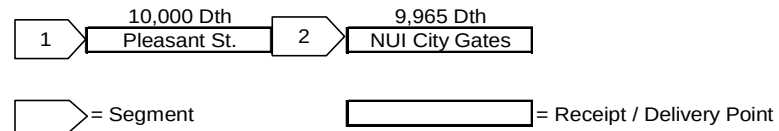


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Algonquin	93201A1C	AFT-1 (F-2/F-3)	10/31/2013	1,251	Dth	Year-Round	TETCO M3	Bay State City Gate	
2	Exchange	Bay State Gas	NA	NA	Renewal Clause	1,251	Dth	Year-Round	Bay State City Gate	Northern City Gates	
Total Path Deliverable						1,251	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Peaking Supply 1

Capacity Path Diagram



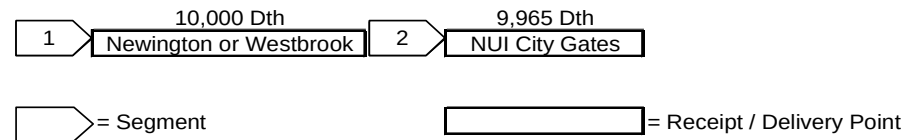
Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1 ¹	Peaking Supply	Confidential	NA	NA	3/31/2012	10,000	Dth	Winter Only (Nov - Mar)	NA	Pleasant St.	Granite
2	Transportation	Granite	10-010-FT-NN	FT-NN	10/31/2012	9,965	Dth	Year-Round	Pleasant St.	Northern City Gates	
Total Path Deliverable						9,965	Dth				

Note 1: Peaking Supply 1 Contract allows Northern to nominate up to 10,000 Dth per Day and up to 50,000 Dth from November 2011 through March 2012.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Peaking Supply 2

Capacity Path Diagram



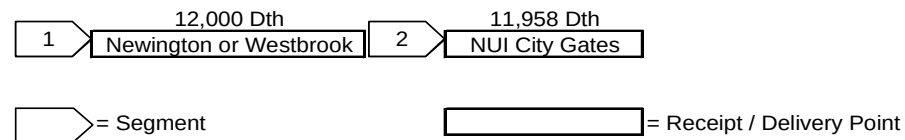
Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1 ¹	Peaking Supply	Confidential	NA	NA	3/31/2012	10,000	Dth	Winter Only (Nov-Mar)	NA	Newington, NH or Westbrook, ME	Granite
2	Transportation	Granite	10-010-FT-NN	FT-NN	10/31/2012	9,965	Dth	Year-Round	Newington, NH or Westbrook, ME	Northern City Gates	
Total Path Deliverable						9,965	Dth				

Note 1: Peaking Supply 2 Contract allows Northern to nominate up to 10,000 Dth per Day and up to 50,000 Dth from November 2011 through March 2012.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Peaking Supply 3

Capacity Path Diagram



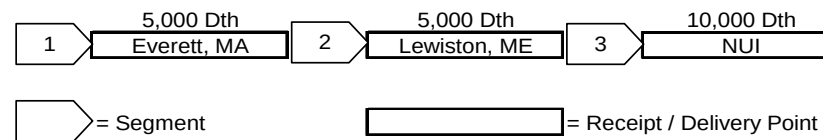
Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1 ¹	Peaking Supply	Confidential	NA	NA	2/29/2012	12,000	Dth	Winter Only (Dec-Feb)	NA	Newington, NH or Westbrook, ME	Granite
2	Transportation	Granite	10-010-FT-NN	FT-NN	10/31/2012	11,958	Dth	Year-Round	Newington, NH or Westbrook, ME	Northern City Gates	
Total Path Deliverable						11,958	Dth				

Note 1: Peaking Supply 2 Contract allows Northern to nominate up to 12,000 Dth per Day from December 2011 through February 2012.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Lewiston LNG Plant

Capacity Path Diagram



Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1 ¹	LNG Contract	Confidential	NA	NA	10/31/2012	5,000	Dth	Year-Round	NA	Everett, MA	NA
2	LNG Trucking Contract	Confidential			10/31/2012	5,000	Dth	Year-Round	Everett, MA	Lewiston, ME	NA
3	Lewiston LNG Plant	N/A	NA	NA	N/A	10,000	Dth	Year-Round	Lewiston, ME	Northern Distribution System	
Total Path Deliverable						10,000	Dth				

Note 1: The LNG Contract allows Northern to nominate up to 5,000 Dth per day with an annual maximum take is 125,000 Dth.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Lewiston Delivered Supply

Capacity Path Diagram



Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Delivered Supply	Confidential	NA	NA	3/31/2012	5,500	Dth	NA	NA	Northern City Gate (Lewiston)	NA
Total Path Deliverable						5,500	Dth				

Appendix VI-1A. NGA's Planned Enhancements, Northeast Natural Gas Pipeline Systems

PLANNED ENHANCEMENTS, NORTHEAST NATURAL GAS PIPELINE SYSTEMS

(as of 5-2-11)

**NGA has prepared these lists based on publicly-available information.
NGA will strive to keep the information as updated as possible and notes
that this information may change pending project developments.**

PROJECT	COMPANY	DESCRIPTION	EST. IN-SERVICE	STATUS
TEMAX and TIME III	Spectra Energy / Texas Eastern	Spectra Energy and ConocoPhillips have executed an agreement to deliver up to 395 million cubic feet per day of Rocky Mountain natural gas from the Clarington, Ohio, supply point to the Northeast U.S. (TEMAX). It involves about 30 miles of pipeline in OH and PA. In addition, Spectra will transport another 60 MMcf/d of supply in PA (TEAM).	Nov. 2010 and 2 nd half 2011	Announced, 6-08. Approved by FERC, 11-09. Construction underway.
Laser Pipeline	Laser NE Gathering Company LLC	30 miles of 16" gas gathering line (21 miles in PA, 9 miles in NY). Will connect with the Millennium Pipeline. Design capacity of 400,000 Mcf/d.	Summer 2011	Under construction; groundbreaking held 2-11.
Tioga County Extension	Empire Pipeline (NFGS)	Phase I: Incremental transportation capacity from Tioga County, PA to TCPL at Chippawa. 350,000 Dth/day. Phase II: Incremental transportation capacity to TCPL at Chippawa. Up to 365,000 Dth/day.	Sept. 2011 [I]; 2013/2014 [II]	Open season held fall 2009. Anchor shipper announced 4-10. In FERC pre-filing process.
300 Line Project	Tennessee Gas Pipeline	Tennessee will expand its 300 Line to transport new, diversified natural gas supplies, including Marcellus Shale gas. Involves the installation of new looping segments totaling approx. 127 miles of 30" pipe in PA and NJ. Capacity of 350 MDth/d.	Nov. 2011 / Nov. 2013	Announced 2008. Filed with FERC, 7-09. Approved by FERC, 5-10.
North-South Project	Inergy	The Project is expected to provide firm wheeling services to shippers desiring to move natural gas volumes bi-directionally to / from the Tennessee Gas Pipeline, Stagecoach hub, Stagecoach South and North Lateral receipt and delivery points, and Millennium Pipeline. Capacity expected to be in excess of 250,000 Dth/day.	2011	Precedent agreements announced, February 2010.
Line "N"	National Fuel Gas Supply	Planned capacity of 160,000 Dth/d [I] and 195,000 Dth/d [II].	Sept. 2011, Nov. 2012	Approved by FERC.

PLANNED ENHANCEMENTS, NORTHEAST NATURAL GAS PIPELINE SYSTEMS

(as of 5-2-11), page 2

PROJECT	COMPANY	DESCRIPTION	EST. IN-SERVICE	STATUS
Marc I Hub	Inergy	The MARC I Hub Line Project is a 43 mile, 30" bi-directional pipeline located in PA. The planned pipeline will extend between Inergy's Stagecoach South Lateral Interconnect with TGP near compressor station 319 and Transco near compressor station 517. The Project is expected to have a minimum of 550,000 Dth per day of firm transport capacity.	Mid- 2012	Precedent agreements announced, July 2010. In FERC pre-filing process.
Wright Transfer Compressor	Iroquois Gas Transmission	Reconfigure piping at existing compressor station. Capacity of 300 MDt.	Summer 2012	Announced August 2010.
Appalachian Gateway	Dominion	Dominion proposes to install new natural gas pipeline facilities in West Virginia and Pennsylvania in an effort to deliver Appalachian natural gas production to markets in the eastern U.S. Total firm transportation delivery for the Appalachian Gateway Project will be 484,260 dekatherms of natural gas per day.	Sept. 2012	Announced 2009. Filed with FERC, June 2010.
Northern Access	National Fuel Gas Supply	New transportation capacity from Ellisburg/Leidy area to TCPL Canadian markets. 320,000 Dth/day.	Nov. 2012	Announced 4-10. Full producer commitment.
TEAM 2012	Spectra Energy	The Texas Eastern Appalachian Market Supply Project (TEAM) provides for multiple year supply connection and expansion. 17.9 miles of 36" pipeline loop. 190 MMcf/d.	2 nd half 2012	Initial development phase.
Northeast Supply Diversification	Tennessee Gas Pipeline	Tennessee is proposing to provide up to 250,000 dekatherms per day of incremental firm transportation capacity from the developing Marcellus Shale region along its 300 Line system to serve existing markets in New England and the Niagara Falls area of New York. Tennessee has executed binding, 15-year term agreements with Cabot Oil & Gas Corp, Anadarko Energy Services Company, and Seneca Resources Corporation.	Nov. 2012	Announced 4-10. FERC filing preparation.

PLANNED ENHANCEMENTS, NORTHEAST NATURAL GAS PIPELINE SYSTEMS
(as of 5-2-11), page 3

PROJECT	COMPANY	DESCRIPTION	EST. IN-SERVICE	STATUS
Marcellus Northeast Project	NiSource and UGI Holdings	Companies are partnering to develop a new natural gas pipeline to provide Marcellus Shale producers in PA improved access to high-value markets. An estimated 500,000 Dth/day of transportation capacity will be made available for increased production along NiSource's Columbia Gas Transmission pipeline system in Clearfield, Centre and Clinton counties to interconnections with Transcontinental Gas Pipeline, Tennessee Gas, Dominion Gas, and Millennium Pipeline in north central PA and southern NY, as well as connections to UGI's Tioga/Meeker natural gas storage facilities and distribution network.	Fall 2012	Announced August 2010.
West to East	National Fuel Gas Supply	New transportation capacity from NFGSC's Overbeck area to Ellisbur/Leidy hub. 82 miles of 24" pipeline. 425,000 Dth/day.	Late 2013	Announced 11-07. Binding open season held summer 2009. In FERC pre-filing process.
Northeast Upgrade	Tennessee Gas Pipeline	The project will provide 636,000 dekatherms per day of incremental firm transportation capacity from TGP's 300 Line in Pennsylvania to an interconnect in New Jersey to serve growing markets in the Northeast. Tennessee has executed binding, 20-year term agreements with Chesapeake Energy Marketing, Inc., a wholly owned subsidiary of Chesapeake Energy Corporation, and StatOil Natural Gas LLC, for 100 percent of the capacity.	Nov. 2013	Announced 2-10. In FERC pre-filing process.
TEAM 2013	Spectra Energy	2 nd phase of TEAM provides additional opportunities in OH/PA/WV region. Potentially up to 500 MMcf/d.	Nov. 2013	Initial development phase.
Northeast Supply Link	Williams / Transco	The proposed Northeast Supply Link Project is designed to provide 250,000 dekatherms per day of firm service on Williams Partners' Transco natural gas pipeline. Involves 13 miles of additional pipe in PA and NJ.	Nov. 2013	Open season held, March 2010.

PLANNED ENHANCEMENTS, NORTHEAST NATURAL GAS PIPELINE SYSTEMS

(as of 5-2-11), page 4

PROJECT	COMPANY	DESCRIPTION	EST. IN-SERVICE	STATUS
Rockaway Lateral / Northeast Connector	Transco / Williams	The project would involve the construction of a 3.23-mile, 26-inch pipeline lateral (approximately 2.88 miles of offshore pipeline and 0.35 miles of onshore pipeline) interconnecting with a 26" lateral pipeline proposed to be constructed by National Grid. Adds an incremental 100 Mdt/day as well as being able to deliver existing Long Beach volumes. Sized for future expansions up to an add'l 432 Mdt/day.	Nov. 2013	Precedent agreements signed June 2009.
NJ/NY Expansion Project	Spectra Energy	800 MMcf/d expansion connecting Northeastern PA Marcellus supplies with a new delivery point in Manhattan. Signed customers are Chesapeake Energy, Con Edison and StatOil Natural Gas. 15.9 miles of new 30" pipe and replacement of approx. 5 miles of 42" pipe on Texas Eastern system.	Nov. 2013	Announced 12-09. Pre-filing process.
Marcellus Pooling Point Project	Tennessee Gas Pipeline	8 mile loop and compressor modifications, in market zones 1-5. Incremental volume up to 270 MDth/d.	Nov. 2013	Announced.
Expansion	Millennium Pipeline	Millennium considering additional compression, replacement of the Neversink, and pipeline looping. Incremental expansion is capable of increasing system capacity to 1.2 Bcf.	2014	Open season held Jan. 2010.
AIM	Spectra Energy	AIM provides shippers with the opportunity to design transportation services from multiple receipt points on the Algonquin system including, but not limited to, Lambertville, Ramapo, Mahwah and Beverly to multiple existing and proposed delivery points including Lambertville, Brookfield and numerous other market points.	Nov. 2014	Announced.
NYMarc	Iroquois Gas Transmission	Proposed to connect NY and New England markets to Marcellus and Rockies supplies. Approx. 52 mile, 30-inch pipeline and one compressor station in NY. As proposed, NYMarc would receive gas from Millennium Pipeline in NY. Expected capacity of 500 MDth/d.	Nov. 2015	Announced 2009.

PLANNED ENHANCEMENTS, NORTHEAST NATURAL GAS PIPELINE SYSTEMS
(as of 5-2-11), page 5

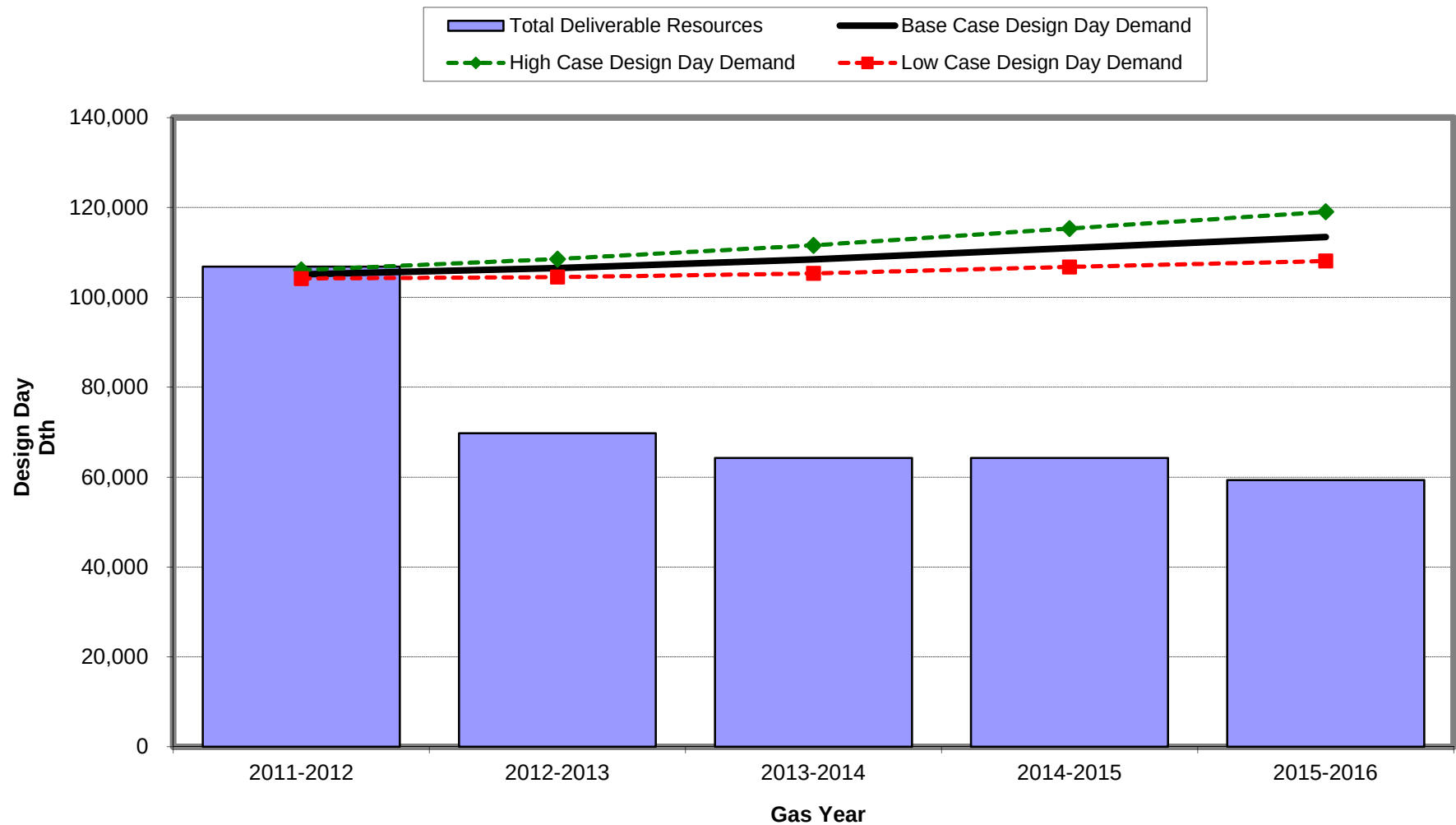
PROJECT	COMPANY	DESCRIPTION	EST. IN-SERVICE	STATUS
New England /Iroquois Expansion	Tennessee Gas Pipeline	Proposed 110 mile plus pipeline to link Tennessee Marcellus receipts with the Iroquois Transmission system and thereby link into New England (zones 5, 6). Proposed capacity of 500 MDth/d.	2015/2016	Announced.

Appendix VI-2. Design Day Resource Balance

Northern Utilities, Inc.
2011 Integrated Resource Plan
Resource Balance - Design Day (Dth)

Item	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Chicago Path	6,434	6,434	2,223	2,223	2,223
Algonquin (TETCO M3 Interconnection)	0	1,251	0	0	0
PNGTS Year-Round	1,096	1,096	1,096	1,096	1,096
Tennessee Niagara	3,282	2,332	2,332	2,332	0
Tennessee Long-Haul	13,109	13,109	13,109	13,109	13,109
Washington 10 Path	32,885	32,885	32,885	32,885	32,885
Tennessee FS-MA & 5265	2,644	2,644	2,644	2,644	0
Peaking Supply 1	9,965	0	0	0	0
Peaking Supply 2	9,965	0	0	0	0
Peaking Supply 3	11,958	0	0	0	0
Lewiston On-System LNG Production	10,000	10,000	10,000	10,000	10,000
Lewiston Baseload	5,500	0	0	0	0
Total Deliverable Resources	106,838	69,751	64,289	64,289	59,313
Maine Division Base Case Design Day Demand	52,353	52,972	53,848	54,959	56,011
New Hampshire Division Base Case Design Day Demand	52,778	53,538	54,580	56,021	57,435
Base Case Design Day Demand	105,131	106,510	108,428	110,980	113,447
Total Deliverable Capacity minus Base Case Design Day Demand	1,707	(36,759)	(44,139)	(46,691)	(54,134)
Maine Division High Case Design Day Demand	52,827	53,980	55,412	57,109	58,774
New Hampshire Division High Case Design Day Demand	53,258	54,557	56,164	58,209	60,260
High Case Design Day Demand	106,084	108,537	111,576	115,318	119,034
Total Deliverable Capacity minus High Case Design Day Demand	754	(38,786)	(47,287)	(51,029)	(59,721)
Maine Division Low Case Design Day Demand	51,879	51,974	52,313	52,870	53,353
New Hampshire Division Low Case Design Day Demand	52,299	52,529	53,026	53,896	54,717
Low Case Design Day Demand	104,178	104,503	105,339	106,766	108,071
Total Deliverable Capacity minus Low Case Design Day Demand	2,660	(34,752)	(41,050)	(42,477)	(48,758)

**Northern Utilities, Inc.
2011 Integrated Resource Plan
Resource Balance - Design Day (Dth)**

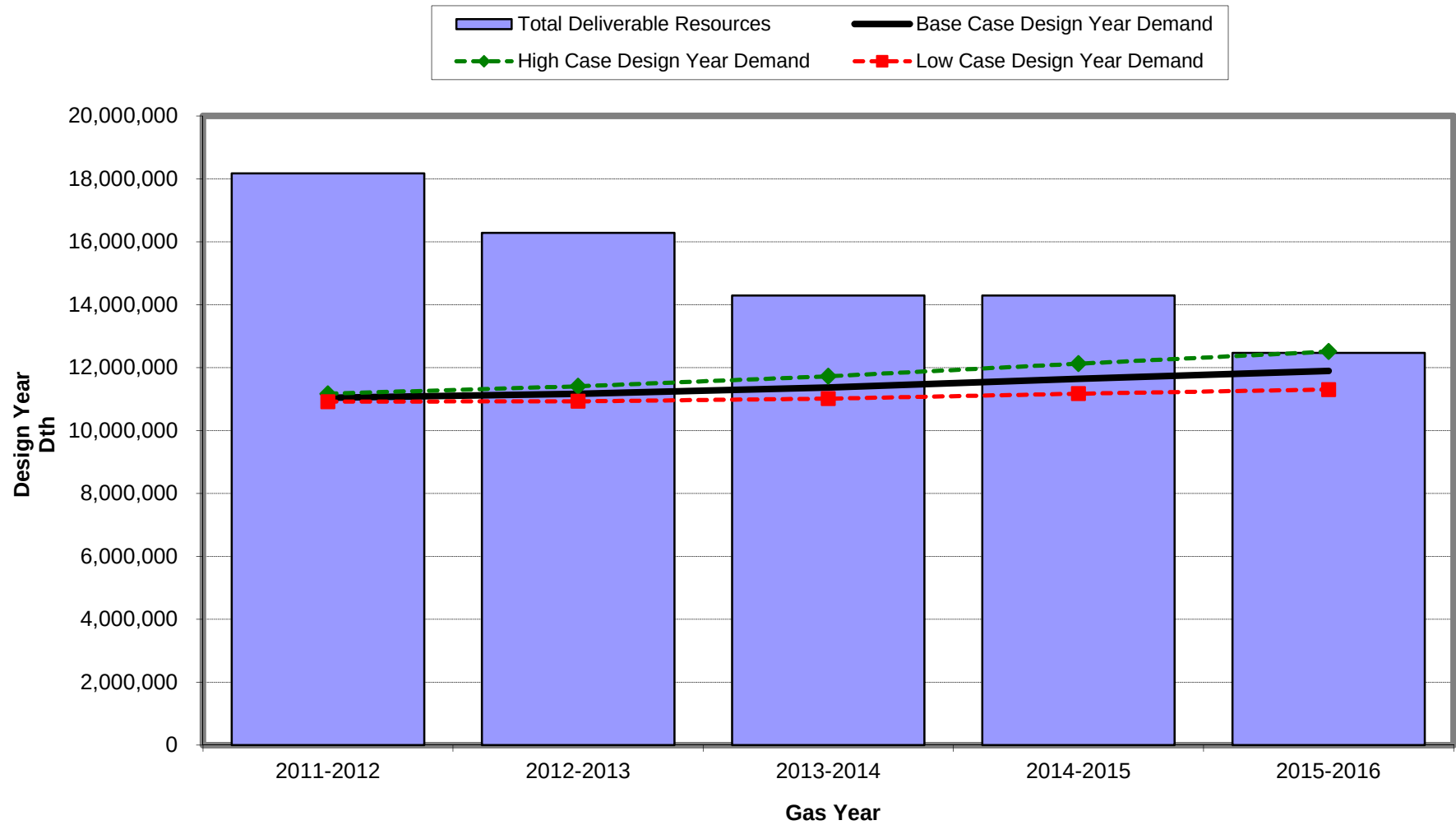


Appendix VI-3. Design Year Resource Balance

Northern Utilities, Inc.
2011 Integrated Resource Plan
Resource Balance - Design Year (Dth)

Item	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Chicago Path	2,348,410	2,348,410	811,395	811,395	811,395
Algonquin (TETCO M3 Interconnection)	0	456,615	0	0	0
PNGTS Year-Round	400,040	400,040	400,040	400,040	400,040
Tennessee Niagara	1,197,930	851,180	851,180	851,180	0
Tennessee Long-Haul	4,784,785	4,784,785	4,784,785	4,784,785	4,784,785
Washington 10 Path	4,965,635	4,965,635	4,965,635	4,965,635	4,965,635
Tennessee FS-MA & 5265	965,060	965,060	965,060	965,060	0
Peaking Supply 1	49,825	0	0	0	0
Peaking Supply 2	49,825	0	0	0	0
Peaking Supply 3	1,076,220	0	0	0	0
Lewiston On-System LNG Production	1,510,000	1,510,000	1,510,000	1,510,000	1,510,000
Lewiston Baseload	830,500	0	0	0	0
Total Deliverable Resources	18,178,230	16,281,725	14,288,095	14,288,095	12,471,855
Maine Division Base Case Design Year Demand	5,279,829	5,332,398	5,415,451	5,524,436	5,624,212
New Hampshire Division Base Case Design Year Demand	5,763,629	5,835,675	5,950,488	6,116,544	6,269,917
Base Case Design Year Demand	11,043,458	11,168,073	11,365,939	11,640,980	11,894,129
Total Deliverable Capacity minus Base Case Design Year Demand	7,134,772	5,113,652	2,922,156	2,647,115	577,726
Maine Division High Case Design Year Demand	5,337,234	5,443,678	5,582,865	5,751,027	5,912,361
New Hampshire Division High Case Design Year Demand	5,833,503	5,964,688	6,141,696	6,374,563	6,598,145
High Case Design Year Demand	11,170,737	11,408,366	11,724,561	12,125,590	12,510,506
Total Deliverable Capacity minus High Case Design Year Demand	7,007,493	4,873,359	2,563,534	2,162,505	(38,651)
Maine Division Low Case Design Year Demand	5,222,590	5,222,431	5,251,581	5,304,772	5,347,575
New Hampshire Division Low Case Design Year Demand	5,694,066	5,708,368	5,763,585	5,866,733	5,955,181
Low Case Design Year Demand	10,916,655	10,930,799	11,015,166	11,171,505	11,302,755
Total Deliverable Capacity minus Low Case Design Year Demand	7,261,575	5,350,926	3,272,929	3,116,590	1,169,100

**Northern Utilities, Inc.
2011 Integrated Resource Plan
Resource Balance - Design Year (Dth)**

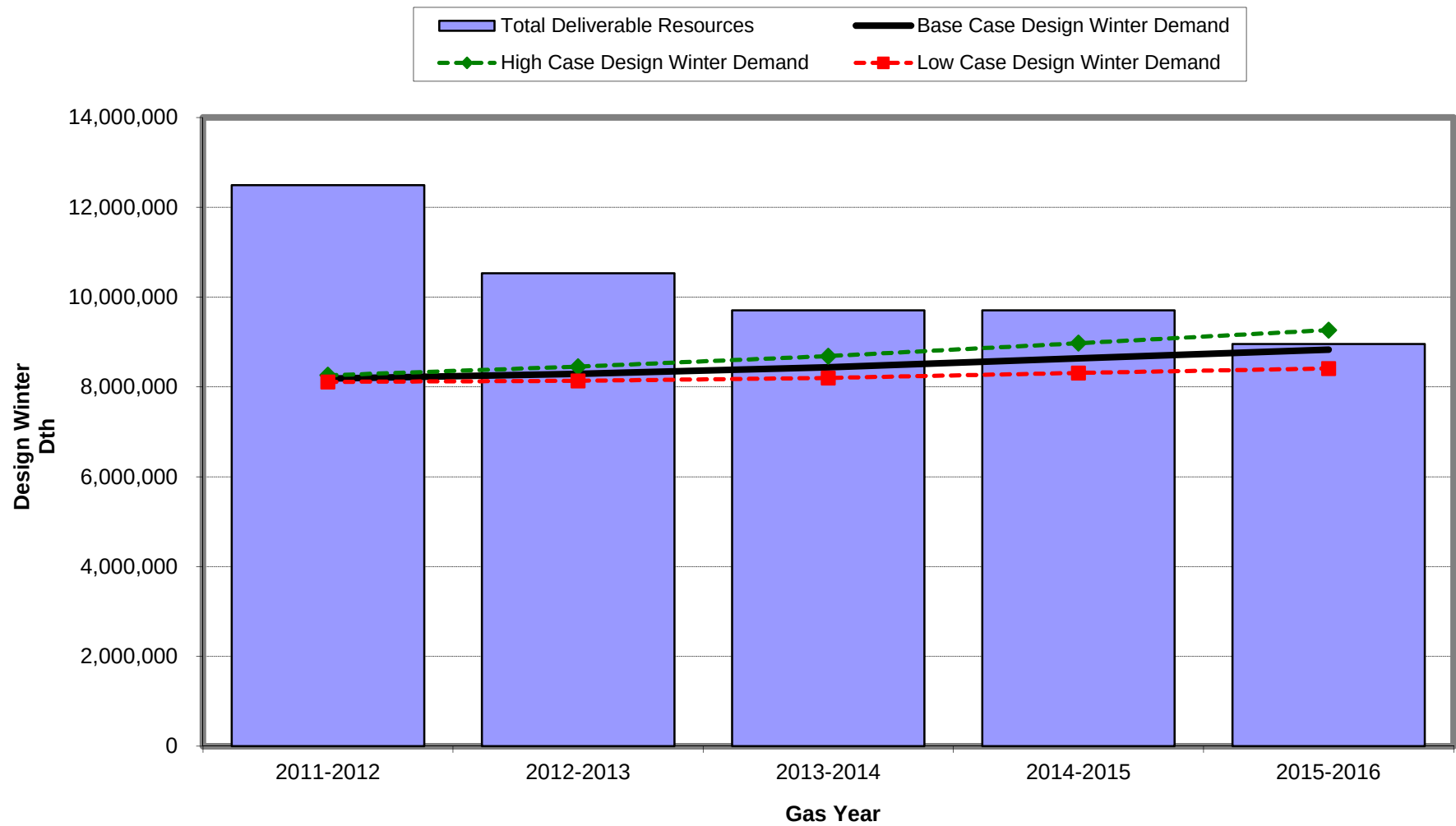


Appendix VI-4. Design Winter Resource Balance

Northern Utilities, Inc.
2011 Integrated Resource Plan
Resource Balance - Design Winter (Dth)

Item	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Chicago Path	971,534	971,534	335,673	335,673	335,673
Algonquin (TETCO M3 Interconnection)	0	188,901	0	0	0
PNGTS Year-Round	165,496	165,496	165,496	165,496	165,496
Tennessee Niagara	495,582	352,132	352,132	352,132	0
Tennessee Long-Haul	1,979,459	1,979,459	1,979,459	1,979,459	1,979,459
Washington 10 Path	4,965,635	4,965,635	4,965,635	4,965,635	4,965,635
Tennessee FS-MA & 5265	399,244	399,244	399,244	399,244	0
Peaking Supply 1	49,825	0	0	0	0
Peaking Supply 2	49,825	0	0	0	0
Peaking Supply 3	1,076,220	0	0	0	0
Lewiston On-System LNG Production	1,510,000	1,510,000	1,510,000	1,510,000	1,510,000
Lewiston Baseload	830,500	0	0	0	0
Total Deliverable Resources	12,493,320	10,532,401	9,707,639	9,707,639	8,956,263
Maine Division Base Case Design Winter Demand	4,249,380	4,299,379	4,370,260	4,460,357	4,545,720
New Hampshire Division Base Case Design Winter Demand	3,936,100	3,992,614	4,070,166	4,177,686	4,283,121
Base Case Design Winter Demand	8,185,480	8,291,992	8,440,425	8,638,042	8,828,841
Total Deliverable Capacity minus Base Case Design Winter Demand	4,307,840	2,240,409	1,267,214	1,069,597	127,422
Maine Division High Case Design Winter Demand	4,288,119	4,381,455	4,497,503	4,635,199	4,770,260
New Hampshire Division High Case Design Winter Demand	3,972,074	4,068,825	4,188,546	4,341,079	4,494,048
High Case Design Winter Demand	8,260,193	8,450,280	8,686,049	8,976,277	9,264,308
Total Deliverable Capacity minus High Case Design Winter Demand	4,233,127	2,082,121	1,021,590	731,362	(308,045)
Maine Division Low Case Design Winter Demand	4,210,641	4,218,078	4,245,437	4,290,507	4,329,714
New Hampshire Division Low Case Design Winter Demand	3,900,125	3,917,121	3,954,036	4,018,948	4,080,187
Low Case Design Winter Demand	8,110,766	8,135,199	8,199,473	8,309,454	8,409,901
Total Deliverable Capacity minus Low Case Design Winter Demand	4,382,554	2,397,202	1,508,166	1,398,185	546,362

**Northern Utilities, Inc.
2011 Integrated Resource Plan
Resource Balance - Design Winter (Dth)**



Appendix VI-5. Alternative New Gas Supply Projected Costs

Northern Utilities, Inc.
Alternative New Supply Sources
Projected Natural Gas Commodity Costs
Based upon Historic NYMEX Spreads

Northern Utilities, Inc.
Appendix VI-5
Page 1 of 1

Tennessee Zone 6 Delivered														
Item	12-Months	5-Months	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12
NYMEX	\$ 4.360	\$ 4.283	\$ 4.038	\$ 4.271	\$ 4.377	\$ 4.379	\$ 4.349	\$ 4.322	\$ 4.350	\$ 4.388	\$ 4.432	\$ 4.456	\$ 4.464	\$ 4.494
Basis Price	\$ 1.007	\$ 1.863	\$ 0.428	\$ 1.793	\$ 3.184	\$ 3.004	\$ 0.907	\$ 0.395	\$ 0.395	\$ 0.395	\$ 0.395	\$ 0.395	\$ 0.395	\$ 0.395
Supply Price	\$ 5.367	\$ 6.146	\$ 4.466	\$ 6.064	\$ 7.561	\$ 7.383	\$ 5.256	\$ 4.717	\$ 4.745	\$ 4.783	\$ 4.827	\$ 4.851	\$ 4.859	\$ 4.889
Fuel Loss Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Variable Transport Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Delivered Cost - Variable	\$ 5.367	\$ 6.146	\$ 4.466	\$ 6.064	\$ 7.561	\$ 7.383	\$ 5.256	\$ 4.717	\$ 4.745	\$ 4.783	\$ 4.827	\$ 4.851	\$ 4.859	\$ 4.889
Fixed Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fixed Cost per Dth (100% LF)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Delivered Cost (Into Granite) - Total	\$ 5.367	\$ 6.146	\$ 4.466	\$ 6.064	\$ 7.561	\$ 7.383	\$ 5.256	\$ 4.717	\$ 4.745	\$ 4.783	\$ 4.827	\$ 4.851	\$ 4.859	\$ 4.889

TransCanada Dawn Supply														
Item	12-Months	5-Months	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12
NYMEX	\$ 4.360	\$ 4.283	\$ 4.038	\$ 4.271	\$ 4.377	\$ 4.379	\$ 4.349	\$ 4.322	\$ 4.350	\$ 4.388	\$ 4.432	\$ 4.456	\$ 4.464	\$ 4.494
Basis Price	\$ 0.406	\$ 0.485	\$ 0.485	\$ 0.485	\$ 0.485	\$ 0.485	\$ 0.485	\$ 0.350	\$ 0.350	\$ 0.350	\$ 0.350	\$ 0.350	\$ 0.350	\$ 0.350
Supply Price	\$ 4.766	\$ 4.768	\$ 4.523	\$ 4.756	\$ 4.862	\$ 4.864	\$ 4.834	\$ 4.672	\$ 4.700	\$ 4.738	\$ 4.782	\$ 4.806	\$ 4.814	\$ 4.844
TransCanada Fuel Loss Rate	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
TransCanada Variable Rate	\$ 0.0339	\$ 0.0339	\$ 0.0339	\$ 0.0339	\$ 0.0339	\$ 0.0339	\$ 0.0339	\$ 0.0339	\$ 0.0339	\$ 0.0339	\$ 0.0339	\$ 0.0339	\$ 0.0339	\$ 0.0339
Delivered Cost - Variable	\$ 4.813	\$ 4.815	\$ 4.601	\$ 4.837	\$ 4.944	\$ 4.946	\$ 4.915	\$ 4.751	\$ 4.780	\$ 4.818	\$ 4.862	\$ 4.887	\$ 4.895	\$ 4.925
PNGTS Fuel Loss Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PNGTS Variable Rate	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019
Delivered Cost - Variable	\$ 4.813	\$ 4.815	\$ 4.603	\$ 4.839	\$ 4.946	\$ 4.948	\$ 4.917	\$ 4.753	\$ 4.782	\$ 4.820	\$ 4.864	\$ 4.889	\$ 4.897	\$ 4.927
TransCanada Fixed Rate	\$ 35.420	\$ 35.420	\$ 35.4197	\$ 35.4197	\$ 35.4197	\$ 35.4197	\$ 35.4197	\$ 35.4197	\$ 35.4197	\$ 35.4197	\$ 35.4197	\$ 35.4197	\$ 35.4197	\$ 35.4197
PNGTS Fixed Rate	\$ 40.246	\$ 40.246	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456
Total Fixed Rate	\$ 75.6653	\$ 75.6653	\$ 75.6653	\$ 75.6653	\$ 75.6653	\$ 75.6653	\$ 75.6653	\$ 75.6653	\$ 75.6653	\$ 75.6653	\$ 75.6653	\$ 75.6653	\$ 75.6653	\$ 75.6653
Fixed Cost per Dth (100% LF)	\$ 2.488	\$ 6.013	\$ 2.522	\$ 2.441	\$ 2.441	\$ 2.609	\$ 2.441	\$ 2.522	\$ 2.441	\$ 2.522	\$ 2.441	\$ 2.441	\$ 2.522	\$ 2.441
Delivered Cost (Into Granite) - Total	\$ 7.300	\$ 10.828	\$ 7.125	\$ 7.279	\$ 7.386	\$ 7.557	\$ 7.358	\$ 7.275	\$ 7.222	\$ 7.342	\$ 7.305	\$ 7.329	\$ 7.419	\$ 7.368

TransCanada Empress, Alberta Supply														
Item	12-Months	5-Months	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12
NYMEX	\$ 4.360	\$ 4.283	\$ 4.038	\$ 4.271	\$ 4.377	\$ 4.379	\$ 4.349	\$ 4.322	\$ 4.350	\$ 4.388	\$ 4.432	\$ 4.456	\$ 4.464	\$ 4.494
Basis Price	\$ (0.211)	\$ (0.311)	\$ (0.311)	\$ (0.311)	\$ (0.311)	\$ (0.311)	\$ (0.311)	\$ (0.140)	\$ (0.140)	\$ (0.140)	\$ (0.140)	\$ (0.140)	\$ (0.140)	\$ (0.140)
Supply Price	\$ 4.149	\$ 3.972	\$ 3.727	\$ 3.960	\$ 4.066	\$ 4.068	\$ 4.038	\$ 4.182	\$ 4.210	\$ 4.248	\$ 4.292	\$ 4.316	\$ 4.324	\$ 4.354
TransCanada Fuel Loss Rate	2.93%	2.93%	2.93%	2.93%	2.93%	2.93%	2.93%	2.93%	2.93%	2.93%	2.93%	2.93%	2.93%	2.93%
TransCanada Variable Rate	\$ 0.0994	\$ 0.0994	\$ 0.0994	\$ 0.0994	\$ 0.0994	\$ 0.0994	\$ 0.0994	\$ 0.0994	\$ 0.0994	\$ 0.0994	\$ 0.0994	\$ 0.0994	\$ 0.0994	\$ 0.0994
Delivered Cost - Variable	\$ 4.274	\$ 4.092	\$ 3.939	\$ 4.179	\$ 4.288	\$ 4.290	\$ 4.260	\$ 4.408	\$ 4.436	\$ 4.476	\$ 4.521	\$ 4.546	\$ 4.554	\$ 4.585
PNGTS Fuel Loss Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PNGTS Variable Rate	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019	\$ 0.0019
Delivered Cost - Variable	\$ 4.274	\$ 4.092	\$ 3.941	\$ 4.181	\$ 4.290	\$ 4.292	\$ 4.261	\$ 4.410	\$ 4.438	\$ 4.478	\$ 4.523	\$ 4.548	\$ 4.556	\$ 4.587
TransCanada Fixed Rate	\$ 97.087	\$ 97.087	\$ 97.0868	\$ 97.0868	\$ 97.0868	\$ 97.0868	\$ 97.0868	\$ 97.0868	\$ 97.0868	\$ 97.0868	\$ 97.0868	\$ 97.0868	\$ 97.0868	\$ 97.0868
PNGTS Fixed Rate	\$ 40.246	\$ 40.246	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456	\$ 40.2456
Total Fixed Rate	\$ 137.3324	\$ 137.3324	\$ 137.3324	\$ 137.3324	\$ 137.3324	\$ 137.3324	\$ 137.3324	\$ 137.3324	\$ 137.3324	\$ 137.3324	\$ 137.3324	\$ 137.3324	\$ 137.3324	\$ 137.3324
Fixed Cost per Dth (100% LF)	\$ 4.515	\$ 10.914	\$ 4.578	\$ 4.430	\$ 4.430	\$ 4.736	\$ 4.430	\$ 4.578	\$ 4.430	\$ 4.578	\$ 4.430	\$ 4.430	\$ 4.578	\$ 4.430
Delivered Cost (Into Granite) - Total	\$ 8.789	\$ 15.006	\$ 8.519	\$ 8.611	\$ 8.720	\$ 9.028	\$ 8.692	\$ 8.987	\$ 8.868	\$ 9.055	\$ 8.953	\$ 8.978	\$ 9.134	\$ 9.017

Algonquin 1,251 Dth Capacity (Interconnection with Texas Eastern)														
Item	12-Months	5-Months	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12
NYMEX	\$ 4.360	\$ 4.283	\$ 4.038	\$ 4.271	\$ 4.377	\$ 4.379	\$ 4.349	\$ 4.322	\$ 4.350	\$ 4.388	\$ 4.432	\$ 4.456	\$ 4.464	\$ 4.494
Basis Price	\$ 0.769	\$ 1.411	\$ 0.328	\$ 0.863	\$ 2.814	\$ 2.564	\$ 0.487	\$ 0.310	\$ 0.310	\$ 0.310	\$ 0.310	\$ 0.310	\$ 0.310	\$ 0.310
Supply Price	\$ 5.129	\$ 5.694	\$ 4.366	\$ 5.134	\$ 7.191	\$ 6.943	\$ 4.836	\$ 4.632	\$ 4.660	\$ 4.698	\$ 4.742	\$ 4.766	\$ 4.774	\$ 4.804
Fuel Loss Rate	0.82%	0.96%	0.72%	1.02%	1.02%	1.02%	1.02%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%
Variable Transport Rate	\$ 0.0131	\$ 0.0131	\$ 0.0131	\$ 0.0131	\$ 0.0131	\$ 0.0131	\$ 0.0131	\$ 0.0131	\$ 0.0131	\$ 0.0131	\$ 0.0131	\$ 0.0131	\$ 0.0131	\$ 0.0131
Delivered Cost - Variable	\$ 5.184	\$ 5.762	\$ 4.411	\$ 5.200	\$ 7.278	\$ 7.028	\$ 4.899	\$ 4.678	\$ 4.707	\$ 4.745	\$ 4.789	\$ 4.813	\$ 4.821	\$ 4.852
Fixed Rate	\$ 5.9771	\$ 5.9771	\$ 5.9771	\$ 5.9771	\$ 5.9771	\$ 5.9771	\$ 5.9771	\$ 5.9771	\$ 5.9771	\$ 5.9771	\$ 5.9771	\$ 5.9771	\$ 5.9771	\$ 5.9771
Fixed Cost per Dth (100% LF)	\$ 0.197	\$ 0.475	\$ 0.199	\$ 0.193	\$ 0.193	\$ 0.206	\$ 0.193	\$ 0.199	\$ 0.193	\$ 0.199	\$ 0.193	\$ 0.193	\$ 0.199	\$ 0.193
Delivered Cost (Into Granite) - Total	\$ 5.381	\$ 6.237	\$ 4.610	\$ 5.393	\$ 7.471	\$ 7.234	\$ 5.092	\$ 4.878	\$ 4.899	\$ 4.944	\$ 4.982	\$ 5.006	\$ 5.021	\$ 5.044

Appendix VI-6(1). Base Case Design Commodity Costs

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 759,930	\$ 861,361	\$ 881,539	\$ 763,984	\$ 750,484	\$ 639,415	\$ 111,532	\$ -	\$ -	\$ -	\$ -	\$ 368,927	\$ 4,017,299	\$ 1,119,875	\$ 5,137,174
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 759,930	\$ 861,361	\$ 881,539	\$ 763,984	\$ 750,484	\$ 639,415	\$ 111,532	\$ -	\$ -	\$ -	\$ -	\$ 368,927	\$ 4,017,299	\$ 1,119,875	\$ 5,137,174
PNTGS Path Supplies															
PNTGS	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 40,995	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,547	\$ 940,415	\$ 46,543	\$ 986,957
PNTGS Path Total	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 40,995	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,547	\$ 940,415	\$ 46,543	\$ 986,957
Niagara Path Supplies															
Niagara	\$ -	\$ 140,333	\$ 347,940	\$ 215,106	\$ 182,080	\$ 152,283	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,813	\$ 885,459	\$ 183,096	\$ 1,068,555
Niagara Path Total	\$ -	\$ 140,333	\$ 347,940	\$ 215,106	\$ 182,080	\$ 152,283	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,813	\$ 885,459	\$ 183,096	\$ 1,068,555
Tennessee Production Supplies															
Tennessee Production	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,732,053	\$1,447,580	\$1,062,928	\$1,033,493	\$1,045,446	\$1,141,573	\$1,824,347	\$ 9,030,568	\$ 9,287,420	\$ 18,317,988
Tennessee Production Path Total	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,732,053	\$1,447,580	\$1,062,928	\$1,033,493	\$1,045,446	\$1,141,573	\$1,824,347	\$ 9,030,568	\$ 9,287,420	\$ 18,317,988
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ -	\$ 394,772	\$ 369,302	\$ 394,772	\$ 72,793	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,158,846	\$ 72,793	\$ 1,231,639
Tenn Zone 4 Spot	\$ 340,858	\$ 371,588	\$ -	\$ -	\$ -	\$ 293,037	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 712,447	\$ 2,567,034	\$ 3,279,481
Tennessee Storage Path Total	\$ 340,858	\$ 371,588	\$ 394,772	\$ 369,302	\$ 394,772	\$ 365,830	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 1,871,293	\$ 2,639,827	\$ 4,511,120
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 3,773,464	\$ 4,410,325	\$3,934,058	\$2,598,267	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,716,115	\$ -	\$ 14,716,115
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 AMA Spot (PNTGS)	\$1,428,714	\$ -	\$ -	\$ -	\$ 532,724	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,961,438	\$ -	\$ 1,961,438
W10 Path Total	\$1,428,714	\$ 3,773,464	\$ 4,410,325	\$3,934,058	\$3,130,991	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,677,553	\$ -	\$ 16,677,553
New Lewiston Supplies															
Lewiston	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 31,801	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 353	\$ 5,202,549	\$ 32,154	\$ 5,234,703
New Lewiston Supplies Total	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 31,801	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 353	\$ 5,202,549	\$ 32,154	\$ 5,234,703
New TGP Zone 6 Supplies															
TGP Zone 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New TGP Zone 6 Supplies Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lewiston LNG Plant															
LNG	\$ 8,303	\$ 238,376	\$ 258,770	\$ 388,614	\$ 11,276	\$ 10,310	\$ 10,387	\$ 9,832	\$ 9,954	\$ 9,773	\$ 9,305	\$ 9,599	\$ 905,338	\$ 69,161	\$ 974,498
LNG Plant Total	\$ 8,303	\$ 238,376	\$ 258,770	\$ 388,614	\$ 11,276	\$ 10,310	\$ 10,387	\$ 9,832	\$ 9,954	\$ 9,773	\$ 9,305	\$ 9,599	\$ 905,338	\$ 69,161	\$ 974,498
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 260,522	\$ 407,747	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 668,268	\$ -	\$ 668,268
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ 1,574,182	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,574,182	\$ -	\$ 1,574,182
Peaking Supply Total	\$ -	\$ 260,522	\$ 1,981,928	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,242,450	\$ -	\$ 2,242,450
Total Commodity Cost	\$5,384,444	\$ 8,732,663	\$11,428,483	\$8,622,007	\$7,605,326	\$2,972,686	\$1,945,909	\$1,440,084	\$1,426,673	\$1,440,439	\$1,524,316	\$2,627,967	\$ 41,772,923	\$ 13,378,075	\$ 55,150,998

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	617,061	897,251	1,036,264	880,904	817,901	218,085	154,660	116,577	114,811	115,224	120,322	190,772	4,249,380	1,030,449	5,279,829
New Hampshire Requirement	521,985	853,253	1,010,142	841,233	709,487	425,752	267,130	193,101	189,044	189,998	202,179	360,326	3,936,100	1,827,529	5,763,629
Northern Requirement	1,139,046	1,750,504	2,046,405	1,722,137	1,527,387	643,837	421,789	309,677	303,855	305,222	322,500	551,098	8,185,480	2,857,979	11,043,458
Chicago Path Supplies															
Chicago	168,584	180,896	180,896	156,749	154,973	137,450	23,900	0	0	0	0	76,379	842,099	237,729	1,079,828
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	168,584	180,896	180,896	156,749	154,973	137,450	23,900	0	0	0	0	76,379	842,099	237,729	1,079,828
PNTGS Path Supplies															
PNGTS	29,895	30,892	30,892	28,899	30,892	8,387	0	0	0	0	0	1,096	151,468	9,483	160,951
PNGTS Path Total	29,895	30,892	30,892	28,899	30,892	8,387	0	0	0	0	0	1,096	151,468	9,483	160,951
Niagara Path Supplies															
Niagara	0	28,173	68,370	42,252	36,015	32,071	0	0	0	0	0	6,261	174,811	38,332	213,143
Niagara Path Total	0	28,173	68,370	42,252	36,015	32,071	0	0	0	0	0	6,261	174,811	38,332	213,143
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	378,787	314,540	229,017	220,505	221,872	241,840	383,942	1,992,506	1,990,501	3,983,007
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	378,787	314,540	229,017	220,505	221,872	241,840	383,942	1,992,506	1,990,501	3,983,007
Tennessee Storage Path															
Tennessee Storage	0	0	81,955	76,668	81,955	15,112	0	0	0	0	0	0	240,578	15,112	255,690
Tenn Zone 4 Spot	79,311	81,955	0	0	0	64,199	81,955	79,311	81,955	81,955	79,311	81,955	161,267	550,643	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	401,845	565,755	967,599
Washington 10 Storage Path															
Washington 10 Storage	0	797,230	931,782	831,160	548,943	0	0	0	0	0	0	0	3,109,115	0	3,109,115
Washington 10 Supply (Chicago)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 AMA Spot (PNGTS)	301,647	0	0	0	96,348	0	0	0	0	0	0	0	397,996	0	397,996
W10 Path Total	301,647	797,230	931,782	831,160	645,292	0	0	0	0	0	0	0	3,507,111	0	3,507,111
New Lewiston Supplies															
Lewiston	165,000	170,500	170,500	159,500	170,500	6,481	0	0	0	0	0	70	836,000	6,550	842,550
New Lewiston Supplies Total	165,000	170,500	170,500	159,500	170,500	6,481	0	0	0	0	0	70	836,000	6,550	842,550
New Lewiston Supplies															
TGP Zone 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Lewiston Supplies Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewiston LNG Plant															
LNG	1,350	34,973	32,141	46,761	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	116,620	9,630	126,250
LNG Plant Total	1,350	34,973	32,141	46,761	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	116,620	9,630	126,250
Peaking Supplies															
Peaking Supply 1	0	19,518	30,307	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	113,197	0	0	0	0	0	0	0	0	0	113,197	0	113,197
Peaking Supply Total	0	19,518	143,504	0	0	0	0	0	0	0	0	0	163,022	0	163,022
Northern Requirement	1,139,046	1,750,504	2,046,405	1,722,137	1,527,387	643,837	421,789	309,677	303,855	305,222	322,500	551,098	8,185,480	2,857,979	11,043,458
Total Delivered (Dth)	1,139,046	1,750,504	2,046,406	1,722,137	1,527,388	643,837	421,790	309,678	303,855	305,222	322,501	551,098	8,185,481	2,857,981	11,043,462

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 4.508	\$ 4.762	\$ 4.873	\$ 4.874	\$ 4.843	\$ 4.652	\$ 4.667					\$ 4.830	\$ 4.771	\$ 4.711	\$ 4.757
Chicago Path Total	\$ 4.508	\$ 4.762	\$ 4.873	\$ 4.874	\$ 4.843	\$ 4.652	\$ 4.667					\$ 4.830	\$ 4.771	\$ 4.711	\$ 4.757
PNTGS Path Supplies															
PNGTS	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.908	\$ 6.132
PNGTS Path Total	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.908	\$ 6.132
Niagara Path Supplies															
Niagara		\$ 4.981	\$ 5.089	\$ 5.091	\$ 5.056	\$ 4.748						\$ 4.921	\$ 5.065	\$ 4.777	\$ 5.013
Niagara Path Total		\$ 4.981	\$ 5.089	\$ 5.091	\$ 5.056	\$ 4.748						\$ 4.921	\$ 5.065	\$ 4.777	\$ 5.013
Tennessee Production Supplies															
Tennessee Production	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.599
Tennessee Production Path Total	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.599
Tennessee Storage Path															
Tennessee Storage Tenn Zone 4 Spot	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.564	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.739	\$ 4.817	\$ 4.817	\$ 4.817
Tennessee Storage Path Total	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.613	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.708	\$ 4.739	\$ 4.657	\$ 4.666	\$ 4.662
Washington 10 Storage Path															
Washington 10 Storage Washington 10 Supply (Chicago) W10 AMA Spot (PNGTS)	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 5.529								\$ 4.733		\$ 4.733
W10 Path Total	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 4.852								\$ 4.928		\$ 4.928
New Lewiston Supplies															
Lewiston	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907						\$ 5.079	\$ 6.223	\$ 4.909	\$ 6.213
New Lewiston Supplies Total	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907						\$ 5.079	\$ 6.223	\$ 4.909	\$ 6.213
New Lewiston Supplies															
TGP Zone 6 New Lewiston Supplies Total															
Lewiston LNG Plant															
LNG	\$ 6.150	\$ 6.816	\$ 8.051	\$ 8.311	\$ 8.083	\$ 7.637	\$ 7.446	\$ 7.283	\$ 7.136	\$ 7.006	\$ 6.893	\$ 6.881	\$ 7.763	\$ 7.182	\$ 7.719
LNG Plant Total	\$ 6.150	\$ 6.816	\$ 8.051	\$ 8.311	\$ 8.083	\$ 7.637	\$ 7.446	\$ 7.283	\$ 7.136	\$ 7.006	\$ 6.893	\$ 6.881	\$ 7.763	\$ 7.182	\$ 7.719
Peaking Supplies															
Peaking Supply 1 Peaking Supply 2 Peaking Supply 3		\$ 13.348	\$ 13.454										\$ 13.412		\$ 13.412
Peaking Supply Total		\$ 13.348	\$ 13.811										\$ 13.907		\$ 13.907
Total Cost per Dth	\$ 4.727	\$ 4.989	\$ 5.585	\$ 5.007	\$ 4.979	\$ 4.617	\$ 4.613	\$ 4.650	\$ 4.695	\$ 4.719	\$ 4.727	\$ 4.769	\$ 5.103	\$ 4.681	\$ 4.994

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 236,946	\$ 664,586	\$ 883,898	\$ 763,295	\$ 446,922	\$ 716,412	\$ 130,987	\$ -	\$ -	\$ -	\$ -	\$ 415,861	\$ 2,995,647	\$ 1,263,260	\$ 4,258,907
Dawn	\$ -	\$ 169	\$ 284	\$ 221	\$ 97	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 771	\$ -	\$ 771
Iroquois Receipts	\$ -	\$ 51,479	\$ 86,420	\$ 67,359	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 205,258	\$ -	\$ 205,258
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 236,946	\$ 716,233	\$ 970,602	\$ 830,876	\$ 447,019	\$ 716,412	\$ 130,987	\$ -	\$ -	\$ -	\$ -	\$ 415,861	\$ 3,201,676	\$ 1,263,260	\$ 4,464,936
PNTGS Path Supplies															
PNGTS	\$ -	\$ 53,385	\$ 186,138	\$ 122,308	\$ 1,123	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 362,955	\$ -	\$ 362,955
PNGTS Path Total	\$ -	\$ 53,385	\$ 186,138	\$ 122,308	\$ 1,123	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 362,955	\$ -	\$ 362,955
Niagara Path Supplies															
Niagara	\$ -	\$ 185,957	\$ 325,085	\$ 248,082	\$ 128,232	\$ 6,152	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 887,355	\$ 6,152	\$ 893,508
Niagara Path Total	\$ -	\$ 185,957	\$ 325,085	\$ 248,082	\$ 128,232	\$ 6,152	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 887,355	\$ 6,152	\$ 893,508
Tennessee Production Supplies															
Tennessee Production	\$1,939,456	\$ 2,109,838	\$ 2,123,577	\$1,946,534	\$2,126,755	\$1,925,049	\$1,608,779	\$1,184,129	\$1,148,770	\$1,160,771	\$1,266,355	\$2,012,627	\$ 10,246,160	\$ 10,306,480	\$ 20,552,641
Tennessee Production Path Total	\$1,939,456	\$ 2,109,838	\$ 2,123,577	\$1,946,534	\$2,126,755	\$1,925,049	\$1,608,779	\$1,184,129	\$1,148,770	\$1,160,771	\$1,266,355	\$2,012,627	\$ 10,246,160	\$ 10,306,480	\$ 20,552,641
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,986	\$ 392,270	\$ 354,308	\$ 392,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,223,834	\$ -	\$ 1,223,834
Tenn Zone 4 Spot	\$ 391,457	\$ 333,148	\$ -	\$ -	\$ -	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 724,605	\$ 2,903,465	\$ 3,628,070
Tennessee Storage Path Total	\$ 391,457	\$ 418,133	\$ 392,270	\$ 354,308	\$ 392,270	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 1,948,439	\$ 2,903,465	\$ 4,851,904
Washington 10 Storage Path															
Washington 10 Storage	\$ 109,406	\$ 2,257,314	\$ 4,809,319	\$4,343,901	\$3,071,778	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,591,717	\$ -	\$ 14,591,717
Washington 10 Supply (Chicago)	\$2,376,845	\$ 2,693,085	\$ -	\$ -	\$1,434,635	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,504,564	\$ -	\$ 6,504,564
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$2,486,251	\$ 4,950,399	\$ 4,809,319	\$4,343,901	\$4,506,413	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,096,281	\$ -	\$ 21,096,281
New Lewiston Supplies															
Lewiston	\$ -	\$ 164,933	\$ 757,622	\$ 463,626	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,386,182	\$ -	\$ 1,386,182
New Lewiston Supplies Total	\$ -	\$ 164,933	\$ 757,622	\$ 463,626	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,386,182	\$ -	\$ 1,386,182
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 710,479	\$ 475,721	\$ 1,175,846	\$ 840,069	\$ 194,932	\$ 253,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,574	\$ 3,397,047	\$ 298,322	\$ 3,695,369
New TGP Zone 6 Supplies Total	\$ 710,479	\$ 475,721	\$ 1,175,846	\$ 840,069	\$ 194,932	\$ 253,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,574	\$ 3,397,047	\$ 298,322	\$ 3,695,369
Lewiston LNG Plant															
LNG	\$ 9,088	\$ 212,588	\$ 704,085	\$ 149,938	\$ 12,223	\$ 11,178	\$ 11,260	\$ 10,656	\$ 10,785	\$ 10,585	\$ 10,074	\$ 10,253	\$ 1,087,922	\$ 74,792	\$ 1,162,714
LNG Plant Total	\$ 9,088	\$ 212,588	\$ 704,085	\$ 149,938	\$ 12,223	\$ 11,178	\$ 11,260	\$ 10,656	\$ 10,785	\$ 10,585	\$ 10,074	\$ 10,253	\$ 1,087,922	\$ 74,792	\$ 1,162,714
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 53,064	\$ 174,217	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 227,281	\$ -	\$ 227,281
Peaking Supply 2	\$ -	\$ -	\$ 14,233	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,233	\$ -	\$ 14,233
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 53,064	\$ 188,450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 241,514	\$ -	\$ 241,514
Total Commodity Cost	\$5,773,677	\$ 9,340,251	\$11,632,995	\$9,299,643	\$7,808,966	\$3,313,730	\$2,166,837	\$1,599,757	\$1,581,101	\$1,594,647	\$1,686,469	\$2,909,930	\$ 43,855,530	\$ 14,852,472	\$ 58,708,002

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	624,235	907,817	1,048,519	891,304	827,503	218,728	155,053	116,830	115,050	115,465	120,589	191,303	4,299,379	1,033,019	5,332,398
New Hampshire Requirement	529,431	865,513	1,024,683	853,333	719,655	429,410	269,400	194,727	190,634	191,595	203,884	363,411	3,992,614	1,843,061	5,835,675
Northern Requirement	1,153,666	1,773,330	2,073,202	1,744,637	1,547,158	648,138	424,453	311,557	305,684	307,060	324,473	554,714	8,291,992	2,876,080	11,168,073
Chicago Path Supplies															
Chicago	45,893	122,153	158,364	137,438	81,537	138,747	25,369	0	0	0	0	78,271	545,385	242,386	787,771
Dawn	0	30	49	38	17	0	0	0	0	0	0	0	135	0	135
Iroquois Receipts	0	8,381	13,765	10,775	0	0	0	0	0	0	0	0	32,921	0	32,921
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	45,893	130,564	172,178	148,251	81,554	138,747	25,369	0	0	0	0	78,271	578,441	242,386	820,827
PNTGS Path Supplies															
PNGTS	0	7,639	21,856	14,717	183	0	0	0	0	0	0	0	44,395	0	44,395
PNGTS Path Total	0	7,639	21,856	14,717	183	0	0	0	0	0	0	0	44,395	0	44,395
Niagara Path Supplies															
Niagara	0	32,991	56,345	43,187	22,591	1,176	0	0	0	0	0	0	155,114	1,176	156,290
Niagara Path Total	0	32,991	56,345	43,187	22,591	1,176	0	0	0	0	0	0	155,114	1,176	156,290
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	398,470	367,041	406,366	378,982	315,734	230,896	222,334	223,710	243,812	384,792	1,971,501	2,000,259	3,971,760
Tennessee Production Path Total	393,258	406,366	398,470	367,041	406,366	378,982	315,734	230,896	222,334	223,710	243,812	384,792	1,971,501	2,000,259	3,971,760
Tennessee Storage Path															
Tennessee Storage	0	17,756	81,955	74,024	81,955	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	79,311	64,199	0	0	0	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	23,191	478,477	1,019,419	920,766	651,117	0	0	0	0	0	0	0	3,092,970	0	3,092,970
Washington 10 Supply (Chicago)	471,756	508,650	0	0	268,881	0	0	0	0	0	0	0	1,249,287	0	1,249,287
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	494,947	987,127	1,019,419	920,766	919,998	0	0	0	0	0	0	0	4,342,258	0	4,342,258
New Lewiston Supplies															
Lewiston	0	23,562	88,892	55,738	0	0	0	0	0	0	0	0	168,191	0	168,191
New Lewiston Supplies Total	0	23,562	88,892	55,738	0	0	0	0	0	0	0	0	168,191	0	168,191
New TGP Zone 6 Supplies															
TGP Zone 6	138,907	70,629	142,288	104,252	33,115	48,572	0	0	0	0	0	8,301	489,191	56,873	546,064
New TGP Zone 6 Supplies Total	138,907	70,629	142,288	104,252	33,115	48,572	0	0	0	0	0	8,301	489,191	56,873	546,064
Lewiston LNG Plant															
LNG	1,350	28,704	78,494	16,662	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	126,605	9,630	136,235
LNG Plant Total	1,350	28,704	78,494	16,662	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	126,605	9,630	136,235
Peaking Supplies															
Peaking Supply 1	0	3,791	12,331	0	0	0	0	0	0	0	0	0	16,122	0	16,122
Peaking Supply 2	0	0	974	0	0	0	0	0	0	0	0	0	974	0	974
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	3,791	13,305	0	0	0	0	0	0	0	0	0	17,097	0	17,097
Northern Requirement	1,153,666	1,773,330	2,073,202	1,744,637	1,547,158	648,138	424,453	311,557	305,684	307,060	324,473	554,714	8,291,992	2,876,080	11,168,073
Total Delivered (Dth)	1,153,666	1,773,330	2,073,202	1,744,637	1,547,158	648,138	424,453	311,557	305,684	307,060	324,473	554,714	8,291,993	2,876,079	11,168,072

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.163	\$ 5.441	\$ 5.581	\$ 5.554	\$ 5.481	\$ 5.163	\$ 5.163					\$ 5.313	\$ 5.493	\$ 5.212	\$ 5.406
Dawn		\$ 5.637	\$ 5.776	\$ 5.748	\$ 5.677								\$ 5.725		\$ 5.725
Iroquois Receipts		\$ 6.142	\$ 6.278	\$ 6.251									\$ 6.235		\$ 6.235
Wright															
Chicago Path Total	\$ 5.163	\$ 5.486	\$ 5.637	\$ 5.605	\$ 5.481	\$ 5.163	\$ 5.163					\$ 5.313	\$ 5.535	\$ 5.212	\$ 5.440
PNTGS Path Supplies															
PNGTS		\$ 6.988	\$ 8.517	\$ 8.311	\$ 6.139								\$ 8.176		\$ 8.176
PNGTS Path Total		\$ 6.988	\$ 8.517	\$ 8.311	\$ 6.139								\$ 8.176		\$ 8.176
Niagara Path Supplies															
Niagara		\$ 5.637	\$ 5.770	\$ 5.744	\$ 5.676	\$ 5.233							\$ 5.721	\$ 5.233	\$ 5.717
Niagara Path Total		\$ 5.637	\$ 5.770	\$ 5.744	\$ 5.676	\$ 5.233							\$ 5.721	\$ 5.233	\$ 5.717
Tennessee Production Supplies															
Tennessee Production	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.197	\$ 5.153	\$ 5.175
Tennessee Production Path Total	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.197	\$ 5.153	\$ 5.175
Tennessee Storage Path															
Tennessee Storage		\$ 4.786	\$ 4.786	\$ 4.786	\$ 4.786								\$ 4.786		\$ 4.786
Tenn Zone 4 Spot	\$ 4.936	\$ 5.189				\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 5.049	\$ 5.132	\$ 5.115
Tennessee Storage Path Total	\$ 4.936	\$ 5.102	\$ 4.786	\$ 4.786	\$ 4.786	\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 4.881	\$ 5.132	\$ 5.028
Washington 10 Storage Path															
Washington 10 Storage	\$ 4.718	\$ 4.718	\$ 4.718	\$ 4.718	\$ 4.718								\$ 4.718		\$ 4.718
Washington 10 Supply (Chicago)	\$ 5.038	\$ 5.295			\$ 5.336								\$ 5.207		\$ 5.207
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 5.023	\$ 5.015	\$ 4.718	\$ 4.718	\$ 4.898								\$ 4.858		\$ 4.858
New Lewiston Supplies															
Lewiston		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.242		\$ 8.242
New Lewiston Supplies Total		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.242		\$ 8.242
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.944	\$ 5.245	\$ 6.767
New TGP Zone 6 Supplies Total	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.944	\$ 5.245	\$ 6.767
Lewiston LNG Plant															
LNG	\$ 6.732	\$ 7.406	\$ 8.970	\$ 8.999	\$ 8.762	\$ 8.280	\$ 8.072	\$ 7.894	\$ 7.731	\$ 7.588	\$ 7.462	\$ 7.350	\$ 8.593	\$ 7.767	\$ 8.535
LNG Plant Total	\$ 6.732	\$ 7.406	\$ 8.970	\$ 8.999	\$ 8.762	\$ 8.280	\$ 8.072	\$ 7.894	\$ 7.731	\$ 7.588	\$ 7.462	\$ 7.350	\$ 8.593	\$ 7.767	\$ 8.535
Peaking Supplies															
Peaking Supply 1		\$ 13.996	\$ 14.128										\$ 14.097		\$ 14.097
Peaking Supply 2			\$ 14.608										\$ 14.608		\$ 14.608
Peaking Supply 3															
Peaking Supply Total		\$ 13.996	\$ 14.163										\$ 14.126		\$ 14.126
Total Cost per Dth	\$ 5.005	\$ 5.267	\$ 5.611	\$ 5.330	\$ 5.047	\$ 5.113	\$ 5.105	\$ 5.135	\$ 5.172	\$ 5.193	\$ 5.198	\$ 5.246	\$ 5.289	\$ 5.164	\$ 5.257

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 921,466	\$ 1,062,959	\$ 1,087,135	\$ 976,770	\$ 1,066,194	\$ 778,132	\$ 160,087	\$ -	\$ -	\$ -	\$ -	\$ 467,683	\$ 5,114,525	\$ 1,405,902	\$ 6,520,427
Dawn	\$ 199	\$ 402	\$ 411	\$ 369	\$ 403	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,784	\$ -	\$ 1,784
Iroquois Receipts	\$ 48,971	\$ 121,782	\$ 124,178	\$ 111,650	\$ 106,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 512,952	\$ -	\$ 512,952
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 970,636	\$ 1,185,143	\$ 1,211,724	\$ 1,088,789	\$ 1,172,968	\$ 778,132	\$ 160,087	\$ -	\$ -	\$ -	\$ -	\$ 467,683	\$ 5,629,261	\$ 1,405,902	\$ 7,035,163
PNTGS Path Supplies															
PNGTS	\$ 166,886	\$ 39,157	\$ 185,901	\$ 115,876	\$ 221,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 729,736	\$ -	\$ 729,736
PNGTS Path Total	\$ 166,886	\$ 39,157	\$ 185,901	\$ 115,876	\$ 221,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 729,736	\$ -	\$ 729,736
Niagara Path Supplies															
Niagara	\$ 293,637	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,018,452	\$ -	\$ 2,018,452
Niagara Path Total	\$ 293,637	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,018,452	\$ -	\$ 2,018,452
Tennessee Production Supplies															
Tennessee Production	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,049,531	\$ 1,727,673	\$ 1,285,433	\$ 1,246,744	\$ 1,260,618	\$ 1,374,917	\$ 2,146,353	\$ 11,129,130	\$ 11,091,268	\$ 22,220,398
Tennessee Production Path Total	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,049,531	\$ 1,727,673	\$ 1,285,433	\$ 1,246,744	\$ 1,260,618	\$ 1,374,917	\$ 2,146,353	\$ 11,129,130	\$ 11,091,268	\$ 22,220,398
Tennessee Storage Path															
Tennessee Storage	\$ 13,954	\$ 79,772	\$ 432,580	\$ 390,717	\$ 432,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,349,596	\$ -	\$ 1,349,596
Tenn Zone 4 Spot	\$ 411,612	\$ 374,859	\$ -	\$ -	\$ 7	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 786,479	\$ 3,078,474	\$ 3,864,953
Tennessee Storage Path Total	\$ 425,567	\$ 454,631	\$ 432,580	\$ 390,717	\$ 432,580	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 2,136,075	\$ 3,078,474	\$ 5,214,549
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 5,960,696	\$ 6,505,532	\$ 5,728,816	\$ 2,128,582	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,323,626	\$ -	\$ 20,323,626
Washington 10 Supply (Chicago)	\$ 460,570	\$ -	\$ -	\$ 124,050	\$ 125,352	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 709,972	\$ -	\$ 709,972
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 460,570	\$ 5,960,696	\$ 6,505,532	\$ 5,852,866	\$ 2,253,933	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,033,598	\$ -	\$ 21,033,598
New Lewiston Supplies															
Lewiston	\$ 651,670	\$ 163,086	\$ 685,623	\$ 396,670	\$ 1,075,535	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,972,584	\$ -	\$ 2,972,584
New Lewiston Supplies Total	\$ 651,670	\$ 163,086	\$ 685,623	\$ 396,670	\$ 1,075,535	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,972,584	\$ -	\$ 2,972,584
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,501,923	\$ 687,584	\$ 1,711,830	\$ 1,219,890	\$ 1,762,848	\$ 318,074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 63,117	\$ 6,884,076	\$ 381,191	\$ 7,265,267
New TGP Zone 6 Supplies Total	\$ 1,501,923	\$ 687,584	\$ 1,711,830	\$ 1,219,890	\$ 1,762,848	\$ 318,074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 63,117	\$ 6,884,076	\$ 381,191	\$ 7,265,267
Lewiston LNG Plant															
LNG	\$ 9,812	\$ 195,774	\$ 650,532	\$ 97,985	\$ 12,763	\$ 11,681	\$ 11,770	\$ 11,141	\$ 11,278	\$ 11,071	\$ 10,540	\$ 10,728	\$ 966,866	\$ 78,210	\$ 1,045,076
LNG Plant Total	\$ 9,812	\$ 195,774	\$ 650,532	\$ 97,985	\$ 12,763	\$ 11,681	\$ 11,770	\$ 11,141	\$ 11,278	\$ 11,071	\$ 10,540	\$ 10,728	\$ 966,866	\$ 78,210	\$ 1,045,076
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 38,945	\$ 149,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188,233	\$ -	\$ 188,233
Peaking Supply 2	\$ -	\$ -	\$ 236	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 236	\$ -	\$ 236
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 38,945	\$ 149,524	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188,470	\$ -	\$ 188,470
Total Commodity Cost	\$ 6,594,923	\$ 11,447,092	\$ 14,318,297	\$ 11,664,886	\$ 9,663,048	\$ 3,583,384	\$ 2,340,694	\$ 1,725,840	\$ 1,704,589	\$ 1,720,416	\$ 1,820,272	\$ 3,139,850	\$ 53,688,247	\$ 16,035,045	\$ 69,723,292

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	634,454	922,792	1,065,857	906,028	841,129	221,392	156,886	118,174	116,366	116,786	121,982	193,606	4,370,260	1,045,191	5,415,451
New Hampshire Requirement	539,668	882,332	1,044,622	869,927	733,616	438,102	274,847	198,660	194,483	195,464	208,003	370,764	4,070,166	1,880,323	5,950,488
Northern Requirement	1,174,123	1,805,124	2,110,479	1,775,955	1,574,744	659,494	431,733	316,834	310,849	312,250	329,985	564,370	8,440,425	2,925,514	11,365,939
Chicago Path Supplies															
Chicago	164,040	180,839	180,839	163,338	180,846	141,813	29,193	0	0	0	0	83,022	869,902	254,028	1,123,930
Dawn	34	66	66	60	66	0	0	0	0	0	0	0	293	0	293
Iroquois Receipts	7,759	18,550	18,550	16,755	16,161	0	0	0	0	0	0	0	77,775	0	77,775
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	171,834	199,455	199,455	180,153	197,073	141,813	29,193	0	0	0	0	83,022	947,970	254,028	1,201,998
PNTGS Path Supplies															
PNGTS	28,793	5,290	20,827	13,296	33,981	0	0	0	0	0	0	0	102,186	0	102,186
PNGTS Path Total	28,793	5,290	20,827	13,296	33,981	0	0	0	0	0	0	0	102,186	0	102,186
Niagara Path Supplies															
Niagara	50,517	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	332,659	0	332,659
Niagara Path Total	50,517	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	332,659	0	332,659
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	379,536	319,190	236,173	227,499	228,900	249,324	386,877	1,979,397	2,027,498	4,006,895
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	379,536	319,190	236,173	227,499	228,900	249,324	386,877	1,979,397	2,027,498	4,006,895
Tennessee Storage Path															
Tennessee Storage	2,644	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	76,668	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	0	893,905	975,612	859,131	319,216	0	0	0	0	0	0	0	3,047,864	0	3,047,864
Washington 10 Supply (Chicago)	65,990	0	0	16,945	17,317	0	0	0	0	0	0	0	100,252	0	100,252
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	65,990	893,905	975,612	876,076	336,533	0	0	0	0	0	0	0	3,148,116	0	3,148,116
New Lewiston Supplies															
Lewiston	112,125	22,000	76,769	45,484	164,354	0	0	0	0	0	0	0	420,733	0	420,733
New Lewiston Supplies Total	112,125	22,000	76,769	45,484	164,354	0	0	0	0	0	0	0	420,733	0	420,733
New TGP Zone 6 Supplies															
TGP Zone 6	270,944	96,167	197,369	144,152	280,804	57,484	0	0	0	0	0	11,121	989,436	68,605	1,058,040
New TGP Zone 6 Supplies Total	270,944	96,167	197,369	144,152	280,804	57,484	0	0	0	0	0	11,121	989,436	68,605	1,058,040
Lewiston LNG Plant															
LNG	1,350	24,999	69,556	10,440	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	107,740	9,630	117,370
LNG Plant Total	1,350	24,999	69,556	10,440	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	107,740	9,630	117,370
Peaking Supplies															
Peaking Supply 1	0	2,703	10,269	0	0	0	0	0	0	0	0	0	12,972	0	12,972
Peaking Supply 2	0	0	16	0	0	0	0	0	0	0	0	0	16	0	16
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	2,703	10,285	0	0	0	0	0	0	0	0	0	12,987	0	12,987
Northern Requirement	1,174,123	1,805,124	2,110,479	1,775,955	1,574,744	659,494	431,733	316,834	310,849	312,250	329,985	564,370	8,440,425	2,925,514	11,365,939
Total Delivered (Dth)	1,174,122	1,805,124	2,110,479	1,775,955	1,574,745	659,494	431,733	316,834	310,849	312,250	329,985	564,370	8,440,425	2,925,515	11,365,940

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.617	\$ 5.878	\$ 6.012	\$ 5.980	\$ 5.896	\$ 5.487	\$ 5.484					\$ 5.633	\$ 5.879	\$ 5.534	\$ 5.801
Dawn	\$ 5.811	\$ 6.069	\$ 6.201	\$ 6.170	\$ 6.086								\$ 6.093		\$ 6.093
Iroquois Receipts	\$ 6.311	\$ 6.565	\$ 6.694	\$ 6.664	\$ 6.582								\$ 6.595		\$ 6.595
Wright															
Chicago Path Total	\$ 5.649	\$ 5.942	\$ 6.075	\$ 6.044	\$ 5.952	\$ 5.487	\$ 5.484					\$ 5.633	\$ 5.938	\$ 5.534	\$ 5.853
PNTGS Path Supplies															
PNGTS	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 7.141		\$ 7.141
PNGTS Path Total	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 7.141		\$ 7.141
Niagara Path Supplies															
Niagara	\$ 5.813	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.068		\$ 6.068
Niagara Path Total	\$ 5.813	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.068		\$ 6.068
Tennessee Production Supplies															
Tennessee Production	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.470	\$ 5.546
Tennessee Production Path Total	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.470	\$ 5.546
Tennessee Storage Path															
Tennessee Storage	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278								\$ 5.278		\$ 5.278
Tenn Zone 4 Spot	\$ 5.369	\$ 5.608			\$ 5.625	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.480	\$ 5.441	\$ 5.449
Tennessee Storage Path Total	\$ 5.366	\$ 5.547	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.351	\$ 5.441	\$ 5.404
Washington 10 Storage Path															
Washington 10 Storage		\$ 6.668	\$ 6.668	\$ 6.668	\$ 6.668								\$ 6.668		\$ 6.668
Washington 10 Supply (Chicago)	\$ 6.979			\$ 7.321	\$ 7.239								\$ 7.082		\$ 7.082
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 6.979	\$ 6.668	\$ 6.668	\$ 6.681	\$ 6.698								\$ 6.681		\$ 6.681
New Lewiston Supplies															
Lewiston	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 7.065		\$ 7.065
New Lewiston Supplies Total	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 7.065		\$ 7.065
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.958	\$ 5.556	\$ 6.867
New TGP Zone 6 Supplies Total	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.958	\$ 5.556	\$ 6.867
Lewiston LNG Plant															
LNG	\$ 7.268	\$ 7.831	\$ 9.353	\$ 9.386	\$ 9.149	\$ 8.652	\$ 8.438	\$ 8.253	\$ 8.085	\$ 7.936	\$ 7.807	\$ 7.690	\$ 8.974	\$ 8.122	\$ 8.904
LNG Plant Total	\$ 7.268	\$ 7.831	\$ 9.353	\$ 9.386	\$ 9.149	\$ 8.652	\$ 8.438	\$ 8.253	\$ 8.085	\$ 7.936	\$ 7.807	\$ 7.690	\$ 8.974	\$ 8.122	\$ 8.904
Peaking Supplies															
Peaking Supply 1		\$ 14.410	\$ 14.538										\$ 14.511		\$ 14.511
Peaking Supply 2			\$ 15.017										\$ 15.017		\$ 15.017
Peaking Supply 3															
Peaking Supply Total		\$ 14.410	\$ 14.539										\$ 14.512		\$ 14.512
Total Cost per Dth	\$ 5.617	\$ 6.341	\$ 6.784	\$ 6.568	\$ 6.136	\$ 5.434	\$ 5.422	\$ 5.447	\$ 5.484	\$ 5.510	\$ 5.516	\$ 5.563	\$ 6.361	\$ 5.481	\$ 6.134

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 980,691	\$ 1,118,163	\$ 1,140,816	\$ 1,025,084	\$ 1,119,305	\$ 833,498	\$ 209,020	\$ 773	\$ -	\$ -	\$ -	\$ 528,403	\$ 5,384,059	\$ 1,571,694	\$ 6,955,754
Dawn	\$ 210	\$ 422	\$ 430	\$ 387	\$ 422	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,871	\$ -	\$ 1,871
Iroquois Receipts	\$ 62,701	\$ 127,254	\$ 129,499	\$ 116,439	\$ 119,150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 555,044	\$ -	\$ 555,044
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$1,043,602	\$ 1,245,839	\$ 1,270,746	\$ 1,141,910	\$ 1,238,877	\$ 833,498	\$ 209,020	\$ 773	\$ -	\$ -	\$ -	\$ 528,403	\$ 5,940,974	\$ 1,571,694	\$ 7,512,668
PNTGS Path Supplies															
PNGTS	\$ 179,905	\$ 60,518	\$ 203,026	\$ 133,204	\$ 231,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808,082	\$ -	\$ 808,082
PNGTS Path Total	\$ 179,905	\$ 60,518	\$ 203,026	\$ 133,204	\$ 231,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 808,082	\$ -	\$ 808,082
Niagara Path Supplies															
Niagara	\$ 318,503	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,123,910	\$ -	\$ 2,123,910
Niagara Path Total	\$ 318,503	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,123,910	\$ -	\$ 2,123,910
Tennessee Production Supplies															
Tennessee Production	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,154,785	\$ 1,835,390	\$ 1,394,698	\$ 1,354,048	\$ 1,369,213	\$ 1,491,903	\$ 2,269,373	\$ 11,718,763	\$ 11,869,411	\$ 23,588,174
Tennessee Production Path Total	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,154,785	\$ 1,835,390	\$ 1,394,698	\$ 1,354,048	\$ 1,369,213	\$ 1,491,903	\$ 2,269,373	\$ 11,718,763	\$ 11,869,411	\$ 23,588,174
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,654	\$ 459,053	\$ 414,628	\$ 459,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,417,380	\$ -	\$ 1,417,380
Tenn Zone 4 Spot	\$ 449,858	\$ 394,520	\$ -	\$ -	\$ 8	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 844,386	\$ 3,225,376	\$ 4,069,762
Tennessee Storage Path Total	\$ 449,858	\$ 479,173	\$ 459,053	\$ 414,628	\$ 459,053	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 2,261,766	\$ 3,225,376	\$ 5,487,141
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 6,390,892	\$ 6,881,215	\$ 5,985,393	\$ 2,268,508	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,526,009	\$ -	\$ 21,526,009
Washington 10 Supply (Chicago)	\$ 582,849	\$ -	\$ -	\$ 246,056	\$ 345,742	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,174,648	\$ -	\$ 1,174,648
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 582,849	\$ 6,390,892	\$ 6,881,215	\$ 6,231,449	\$ 2,614,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,700,657	\$ -	\$ 22,700,657
New Lewiston Supplies															
Lewiston	\$ 730,776	\$ 183,807	\$ 837,041	\$ 520,520	\$ 1,133,176	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,405,319	\$ -	\$ 3,405,319
New Lewiston Supplies Total	\$ 730,776	\$ 183,807	\$ 837,041	\$ 520,520	\$ 1,133,176	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,405,319	\$ -	\$ 3,405,319
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,586,475	\$ 793,306	\$ 1,822,706	\$ 1,322,402	\$ 1,841,468	\$ 412,434	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 97,961	\$ 7,366,356	\$ 510,396	\$ 7,876,752
New TGP Zone 6 Supplies Total	\$ 1,586,475	\$ 793,306	\$ 1,822,706	\$ 1,322,402	\$ 1,841,468	\$ 412,434	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 97,961	\$ 7,366,356	\$ 510,396	\$ 7,876,752
Lewiston LNG Plant															
LNG	\$ 10,266	\$ 248,954	\$ 807,276	\$ 184,569	\$ 13,190	\$ 12,081	\$ 12,178	\$ 11,531	\$ 11,676	\$ 11,465	\$ 10,918	\$ 11,116	\$ 1,264,255	\$ 80,963	\$ 1,345,218
LNG Plant Total	\$ 10,266	\$ 248,954	\$ 807,276	\$ 184,569	\$ 13,190	\$ 12,081	\$ 12,178	\$ 11,531	\$ 11,676	\$ 11,465	\$ 10,918	\$ 11,116	\$ 1,264,255	\$ 80,963	\$ 1,345,218
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 69,383	\$ 207,886	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 277,269	\$ -	\$ 277,269
Peaking Supply 2	\$ -	\$ -	\$ 33,726	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,726	\$ -	\$ 33,726
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 69,383	\$ 241,613	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310,996	\$ -	\$ 310,996
Total Commodity Cost	\$ 7,138,833	\$ 12,337,752	\$ 15,447,563	\$ 12,576,632	\$ 10,400,298	\$ 3,859,197	\$ 2,518,699	\$ 1,856,780	\$ 1,833,570	\$ 1,850,852	\$ 1,958,391	\$ 3,380,351	\$ 57,901,079	\$ 17,257,839	\$ 75,158,918

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	647,513	941,818	1,087,846	924,715	858,464	225,464	159,726	120,282	118,435	118,863	124,163	197,145	4,460,357	1,064,079	5,524,436
New Hampshire Requirement	553,933	905,639	1,072,211	892,904	752,998	451,716	283,403	204,854	200,548	201,559	214,486	382,292	4,177,686	1,938,858	6,116,544
Northern Requirement	1,201,446	1,847,457	2,160,057	1,817,619	1,611,463	677,180	443,129	325,136	318,983	320,423	338,649	579,437	8,638,042	3,002,938	11,640,980
Chicago Path Supplies															
Chicago	165,333	180,839	180,839	163,338	180,842	144,859	36,352	134	0	0	0	89,484	871,192	270,829	1,142,021
Dawn	34	66	66	60	66	0	0	0	0	0	0	0	293	0	293
Iroquois Receipts	9,479	18,550	18,550	16,755	17,354	0	0	0	0	0	0	0	80,688	0	80,688
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	174,846	199,455	199,455	180,153	198,262	144,859	36,352	134	0	0	0	89,484	952,172	270,829	1,223,001
PNTGS Path Supplies															
PNGTS	29,511	7,866	22,046	14,805	33,981	0	0	0	0	0	0	0	108,209	0	108,209
PNGTS Path Total	29,511	7,866	22,046	14,805	33,981	0	0	0	0	0	0	0	108,209	0	108,209
Niagara Path Supplies															
Niagara	52,088	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	334,230	0	334,230
Niagara Path Total	52,088	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	334,230	0	334,230
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	380,404	323,427	244,341	235,633	237,072	257,988	390,099	1,979,397	2,068,963	4,048,360
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	380,404	323,427	244,341	235,633	237,072	257,988	390,099	1,979,397	2,068,963	4,048,360
Tennessee Storage Path															
Tennessee Storage	0	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	146,155	565,755	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	0	913,866	983,980	855,882	324,386	0	0	0	0	0	0	0	3,078,114	0	3,078,114
Washington 10 Supply (Chicago)	79,997	0	0	32,338	45,947	0	0	0	0	0	0	0	158,283	0	158,283
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	79,997	913,866	983,980	888,220	370,333	0	0	0	0	0	0	0	3,236,396	0	3,236,396
New Lewiston Supplies															
Lewiston	119,584	23,862	90,854	57,823	166,082	0	0	0	0	0	0	0	458,204	0	458,204
New Lewiston Supplies Total	119,584	23,862	90,854	57,823	166,082	0	0	0	0	0	0	0	458,204	0	458,204
New TGP Zone 6 Supplies															
TGP Zone 6	271,501	106,614	203,512	151,227	280,804	71,255	0	0	0	0	0	16,504	1,013,658	87,759	1,101,417
New TGP Zone 6 Supplies Total	271,501	106,614	203,512	151,227	280,804	71,255	0	0	0	0	0	16,504	1,013,658	87,759	1,101,417
Lewiston LNG Plant															
LNG	1,350	30,469	83,372	19,038	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	135,623	9,630	145,253
LNG Plant Total	1,350	30,469	83,372	19,038	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	135,623	9,630	145,253
Peaking Supplies															
Peaking Supply 1	0	4,720	14,027	0	0	0	0	0	0	0	0	0	18,746	0	18,746
Peaking Supply 2	0	0	2,204	0	0	0	0	0	0	0	0	0	2,204	0	2,204
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	4,720	16,231	0	0	0	0	0	0	0	0	0	20,950	0	20,950
Northern Requirement	1,201,446	1,847,457	2,160,057	1,817,619	1,611,463	677,180	443,129	325,136	318,983	320,423	338,649	579,437	8,638,042	3,002,938	11,640,980
Total Delivered (Dth)	1,201,446	1,847,457	2,160,057	1,817,619	1,611,462	677,180	443,129	325,136	318,983	320,422	338,649	579,437	8,638,041	3,002,936	11,640,977

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.932	\$ 6.183	\$ 6.308	\$ 6.276	\$ 6.189	\$ 5.754	\$ 5.750	\$ 5.769				\$ 5.905	\$ 6.180	\$ 5.803	\$ 6.091
Dawn	\$ 6.122	\$ 6.371	\$ 6.495	\$ 6.462	\$ 6.377								\$ 6.390		\$ 6.390
Iroquois Receipts	\$ 6.615	\$ 6.860	\$ 6.981	\$ 6.950	\$ 6.866								\$ 6.879		\$ 6.879
Wright															
Chicago Path Total	\$ 5.969	\$ 6.246	\$ 6.371	\$ 6.339	\$ 6.249	\$ 5.754	\$ 5.750	\$ 5.769				\$ 5.905	\$ 6.239	\$ 5.803	\$ 6.143
PNTGS Path Supplies															
PNGTS	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.468		\$ 7.468
PNGTS Path Total	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.468		\$ 7.468
Niagara Path Supplies															
Niagara	\$ 6.115	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.355		\$ 6.355
Niagara Path Total	\$ 6.115	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.355		\$ 6.355
Tennessee Production Supplies															
Tennessee Production	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.737	\$ 5.827
Tennessee Production Path Total	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.737	\$ 5.827
Tennessee Storage Path															
Tennessee Storage		\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.601								\$ 5.601		\$ 5.601
Tenn Zone 4 Spot	\$ 5.672	\$ 5.902			\$ 5.908	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.777	\$ 5.701	\$ 5.717
Tennessee Storage Path Total	\$ 5.672	\$ 5.847	\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.666	\$ 5.701	\$ 5.686
Washington 10 Storage Path															
Washington 10 Storage		\$ 6.993	\$ 6.993	\$ 6.993	\$ 6.993								\$ 6.993		\$ 6.993
Washington 10 Supply (Chicago)	\$ 7.286			\$ 7.609	\$ 7.525								\$ 7.421		\$ 7.421
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 7.286	\$ 6.993	\$ 6.993	\$ 7.016	\$ 7.059								\$ 7.014		\$ 7.014
New Lewiston Supplies															
Lewiston	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.432		\$ 7.432
New Lewiston Supplies Total	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.432		\$ 7.432
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.267	\$ 5.816	\$ 7.151
New TGP Zone 6 Supplies Total	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.267	\$ 5.816	\$ 7.151
Lewiston LNG Plant															
LNG	\$ 7.605	\$ 8.171	\$ 9.683	\$ 9.695	\$ 9.455	\$ 8.949	\$ 8.729	\$ 8.541	\$ 8.370	\$ 8.219	\$ 8.087	\$ 7.968	\$ 9.322	\$ 8.407	\$ 9.261
LNG Plant Total	\$ 7.605	\$ 8.171	\$ 9.683	\$ 9.695	\$ 9.455	\$ 8.949	\$ 8.729	\$ 8.541	\$ 8.370	\$ 8.219	\$ 8.087	\$ 7.968	\$ 9.322	\$ 8.407	\$ 9.261
Peaking Supplies															
Peaking Supply 1		\$ 14.701	\$ 14.821										\$ 14.791		\$ 14.791
Peaking Supply 2			\$ 15.300										\$ 15.300		\$ 15.300
Peaking Supply 3															
Peaking Supply Total		\$ 14.701	\$ 14.886										\$ 14.844		\$ 14.844
Total Cost per Dth	\$ 5.942	\$ 6.678	\$ 7.151	\$ 6.919	\$ 6.454	\$ 5.699	\$ 5.684	\$ 5.711	\$ 5.748	\$ 5.776	\$ 5.783	\$ 5.834	\$ 6.703	\$ 5.747	\$ 6.456

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$1,000,809	\$ 1,167,086	\$ 1,190,119	\$ 1,107,817	\$ 1,168,608	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,634,438	\$ -	\$ 5,634,438
Dawn	\$ 178	\$ 440	\$ 448	\$ 417	\$ 440	\$ 8,517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,923	\$ 8,517	\$ 10,440
Iroquois Receipts	\$ 49,661	\$ 132,103	\$ 134,386	\$ 125,169	\$ 114,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 555,995	\$ -	\$ 555,995
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$1,050,648	\$ 1,299,628	\$ 1,324,953	\$ 1,233,403	\$ 1,283,724	\$ 8,517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,192,357	\$ 8,517	\$ 6,200,874
PNTGS Path Supplies															
PNGTS	\$ 181,175	\$ 52,297	\$ 197,208	\$ 117,323	\$ 240,262	\$ 2,157	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 788,265	\$ 2,157	\$ 790,421
PNGTS Path Total	\$ 181,175	\$ 52,297	\$ 197,208	\$ 117,323	\$ 240,262	\$ 2,157	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 788,265	\$ 2,157	\$ 790,421
Niagara Path Supplies															
Niagara	\$ 294,362	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 25,833	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,188,982	\$ 25,833	\$ 2,214,815
Niagara Path Total	\$ 294,362	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 25,833	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,188,982	\$ 25,833	\$ 2,214,815
Tennessee Production Supplies															
Tennessee Production	\$2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$2,253,516	\$1,956,438	\$1,496,395	\$1,451,924	\$1,468,345	\$1,599,058	\$2,384,250	\$ 12,334,273	\$ 12,609,925	\$ 24,944,198
Tennessee Production Path Total	\$2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$2,253,516	\$1,956,438	\$1,496,395	\$1,451,924	\$1,468,345	\$1,599,058	\$2,384,250	\$ 12,334,273	\$ 12,609,925	\$ 24,944,198
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 73,230	\$ 481,300	\$ 450,249	\$ 481,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,486,071	\$ -	\$ 1,486,071
Tenn Zone 4 Spot	\$ 470,773	\$ 428,236	\$ -	\$ -	\$ 8	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 899,018	\$ 3,364,582	\$ 4,263,600
Tennessee Storage Path Total	\$ 470,773	\$ 501,467	\$ 481,300	\$ 450,249	\$ 481,301	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 2,385,089	\$ 3,364,582	\$ 5,749,671
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 6,767,869	\$ 7,196,713	\$ 6,293,547	\$ 2,128,899	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,387,028	\$ -	\$ 22,387,028
Washington 10 Supply (Chicago)	\$ 477,137	\$ -	\$ -	\$ 356,622	\$ 359,478	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,193,237	\$ -	\$ 1,193,237
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 477,137	\$ 6,767,869	\$ 7,196,713	\$ 6,650,169	\$ 2,488,377	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,580,265	\$ -	\$ 23,580,265
New Lewiston Supplies															
Lewiston	\$ 687,837	\$ 177,117	\$ 804,708	\$ 342,055	\$ 1,146,943	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,158,659	\$ -	\$ 3,158,659
New Lewiston Supplies Total	\$ 687,837	\$ 177,117	\$ 804,708	\$ 342,055	\$ 1,146,943	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,158,659	\$ -	\$ 3,158,659
New TGP Zone 6 Supplies															
TGP Zone 6	\$2,072,493	\$ 1,041,327	\$ 2,378,092	\$ 1,611,382	\$ 2,406,227	\$1,348,544	\$ 234,238	\$ -	\$ -	\$ -	\$ -	\$ 718,400	\$ 9,509,521	\$ 2,301,182	\$ 11,810,703
New TGP Zone 6 Supplies Total	\$2,072,493	\$ 1,041,327	\$ 2,378,092	\$ 1,611,382	\$ 2,406,227	\$1,348,544	\$ 234,238	\$ -	\$ -	\$ -	\$ -	\$ 718,400	\$ 9,509,521	\$ 2,301,182	\$ 11,810,703
Lewiston LNG Plant															
LNG	\$ 10,639	\$ 242,381	\$ 783,427	\$ 71,146	\$ 13,536	\$ 12,413	\$ 12,521	\$ 11,862	\$ 12,018	\$ 11,806	\$ 11,248	\$ 11,604	\$ 1,121,130	\$ 83,471	\$ 1,204,601
LNG Plant Total	\$ 10,639	\$ 242,381	\$ 783,427	\$ 71,146	\$ 13,536	\$ 12,413	\$ 12,521	\$ 11,862	\$ 12,018	\$ 11,806	\$ 11,248	\$ 11,604	\$ 1,121,130	\$ 83,471	\$ 1,204,601
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 64,948	\$ 197,617	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 262,565	\$ -	\$ 262,565
Peaking Supply 2	\$ -	\$ -	\$ 31,002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,002	\$ -	\$ 31,002
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 64,948	\$ 228,619	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 293,567	\$ -	\$ 293,567
Total Commodity Cost	\$7,588,079	\$13,140,352	\$16,448,341	\$13,317,678	\$11,057,656	\$4,116,604	\$2,685,340	\$1,977,422	\$1,951,738	\$1,970,441	\$2,085,423	\$3,608,700	\$ 61,552,108	\$ 18,395,667	\$ 79,947,774

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	659,882	959,846	1,108,682	942,422	874,888	228,599	161,896	121,881	120,001	120,436	125,818	199,861	4,545,720	1,078,492	5,624,212
New Hampshire Requirement	567,915	928,495	1,099,270	915,438	772,003	462,880	290,410	209,920	205,508	206,545	219,790	391,742	4,283,121	1,986,796	6,269,917
Northern Requirement	1,227,797	1,888,340	2,207,952	1,857,860	1,646,891	691,480	452,306	331,801	325,510	326,981	345,608	591,603	8,828,841	3,065,288	11,894,129
Chicago Path Supplies															
Chicago	161,309	180,839	180,839	169,172	180,846	0	0	0	0	0	0	0	873,005	0	873,005
Dawn	28	66	66	62	66	1,382	0	0	0	0	0	0	289	1,382	1,671
Iroquois Receipts	7,220	18,550	18,550	17,353	16,085	0	0	0	0	0	0	0	77,759	0	77,759
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	168,557	199,455	199,455	186,587	196,997	1,382	0	0	0	0	0	0	951,053	1,382	952,435
PNTGS Path Supplies															
PNGTS	28,500	6,577	20,827	12,674	33,981	349	0	0	0	0	0	0	102,558	349	102,907
PNGTS Path Total	28,500	6,577	20,827	12,674	33,981	349	0	0	0	0	0	0	102,558	349	102,907
Niagara Path Supplies															
Niagara	46,165	72,284	72,284	67,621	72,284	4,272	0	0	0	0	0	0	330,638	4,272	334,910
Niagara Path Total	46,165	72,284	72,284	67,621	72,284	4,272	0	0	0	0	0	0	330,638	4,272	334,910
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	381,101	330,175	251,140	242,159	243,631	264,947	392,167	1,992,506	2,105,319	4,097,825
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	381,101	330,175	251,140	242,159	243,631	264,947	392,167	1,992,506	2,105,319	4,097,825
Tennessee Storage Path															
Tennessee Storage	0	12,470	81,955	76,668	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	69,486	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	148,798	565,755	714,553
Tennessee Storage Path Total	79,311	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	401,845	565,755	967,599
Washington 10 Storage Path															
Washington 10 Storage	0	931,080	990,078	865,826	292,880	0	0	0	0	0	0	0	3,079,865	0	3,079,865
Washington 10 Supply (Chicago)	63,177	0	0	45,289	46,145	0	0	0	0	0	0	0	154,610	0	154,610
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	63,177	931,080	990,078	911,115	339,025	0	0	0	0	0	0	0	3,234,475	0	3,234,475
New Lewiston Supplies															
Lewiston	107,964	22,251	84,956	36,935	161,952	0	0	0	0	0	0	0	414,058	0	414,058
New Lewiston Supplies Total	107,964	22,251	84,956	36,935	161,952	0	0	0	0	0	0	0	414,058	0	414,058
New TGP Zone 6 Supplies															
TGP Zone 6	339,516	135,258	258,035	178,955	352,935	223,714	38,781	0	0	0	0	116,085	1,264,699	378,580	1,643,279
New TGP Zone 6 Supplies Total	339,516	135,258	258,035	178,955	352,935	223,714	38,781	0	0	0	0	116,085	1,264,699	378,580	1,643,279
Lewiston LNG Plant															
LNG	1,350	28,773	78,898	7,156	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	117,572	9,630	127,202
LNG Plant Total	1,350	28,773	78,898	7,156	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	117,572	9,630	127,202
Peaking Supplies															
Peaking Supply 1	0	4,342	13,104	0	0	0	0	0	0	0	0	0	17,446	0	17,446
Peaking Supply 2	0	0	1,992	0	0	0	0	0	0	0	0	0	1,992	0	1,992
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	4,342	15,096	0	0	0	0	0	0	0	0	0	19,438	0	19,438
Northern Requirement	1,227,797	1,888,340	2,207,952	1,857,860	1,646,891	691,480	452,306	331,801	325,510	326,981	345,608	591,603	8,828,841	3,065,288	11,894,129
Total Delivered (Dth)	1,227,797	1,888,341	2,207,952	1,857,860	1,646,891	691,479	452,306	331,801	325,509	326,981	345,608	591,603	8,828,841	3,065,287	11,894,128

Northern Utilities, Inc. Base Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 6.204	\$ 6.454	\$ 6.581	\$ 6.548	\$ 6.462								\$ 6.454		\$ 6.454
Dawn	\$ 6.391	\$ 6.638	\$ 6.764	\$ 6.732	\$ 6.646	\$ 6.163							\$ 6.665	\$ 6.163	\$ 6.249
Iroquois Receipts	\$ 6.878	\$ 7.121	\$ 7.244	\$ 7.213	\$ 7.129								\$ 7.150		\$ 7.150
Wright															
Chicago Path Total	\$ 6.233	\$ 6.516	\$ 6.643	\$ 6.610	\$ 6.516	\$ 6.163							\$ 6.511	\$ 6.163	\$ 6.511
PNTGS Path Supplies															
PNGTS	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071	\$ 6.180							\$ 7.686	\$ 6.180	\$ 7.681
PNGTS Path Total	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071	\$ 6.180							\$ 7.686	\$ 6.180	\$ 7.681
Niagara Path Supplies															
Niagara	\$ 6.376	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.047							\$ 6.620	\$ 6.047	\$ 6.613
Niagara Path Total	\$ 6.376	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.047							\$ 6.620	\$ 6.047	\$ 6.613
Tennessee Production Supplies															
Tennessee Production	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.990	\$ 6.087
Tennessee Production Path Total	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.990	\$ 6.087
Tennessee Storage Path															
Tennessee Storage		\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.873								\$ 5.873		\$ 5.873
Tenn Zone 4 Spot	\$ 5.936	\$ 6.163				\$ 5.871	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 6.042	\$ 5.947	\$ 5.967
Tennessee Storage Path Total	\$ 5.936	\$ 6.119	\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.871	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 5.935	\$ 5.947	\$ 5.942
Washington 10 Storage Path															
Washington 10 Storage		\$ 7.269	\$ 7.269	\$ 7.269	\$ 7.269								\$ 7.269		\$ 7.269
Washington 10 Supply (Chicago)	\$ 7.552			\$ 7.874	\$ 7.790								\$ 7.718		\$ 7.718
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 7.552	\$ 7.269	\$ 7.269	\$ 7.299	\$ 7.340								\$ 7.290		\$ 7.290
New Lewiston Supplies															
Lewiston	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082								\$ 7.629		\$ 7.629
New Lewiston Supplies Total	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082								\$ 7.629		\$ 7.629
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.519	\$ 6.078	\$ 7.187
New TGP Zone 6 Supplies Total	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.519	\$ 6.078	\$ 7.187
Lewiston LNG Plant															
LNG	\$ 7.881	\$ 8.424	\$ 9.930	\$ 9.942	\$ 9.704	\$ 9.195	\$ 8.975	\$ 8.787	\$ 8.615	\$ 8.463	\$ 8.332	\$ 8.318	\$ 9.536	\$ 8.668	\$ 9.470
LNG Plant Total	\$ 7.881	\$ 8.424	\$ 9.930	\$ 9.942	\$ 9.704	\$ 9.195	\$ 8.975	\$ 8.787	\$ 8.615	\$ 8.463	\$ 8.332	\$ 8.318	\$ 9.536	\$ 8.668	\$ 9.470
Peaking Supplies															
Peaking Supply 1		\$ 14.959	\$ 15.081										\$ 15.050		\$ 15.050
Peaking Supply 2			\$ 15.560										\$ 15.560		\$ 15.560
Peaking Supply 3															
Peaking Supply Total		\$ 14.959	\$ 15.144										\$ 15.103		\$ 15.103
Total Cost per Dth	\$ 6.180	\$ 6.959	\$ 7.450	\$ 7.168	\$ 6.714	\$ 5.953	\$ 5.937	\$ 5.960	\$ 5.996	\$ 6.026	\$ 6.034	\$ 6.100	\$ 6.972	\$ 6.001	\$ 6.722

Appendix VI-6(2). Base Case Normal Commodity Costs

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 731,942	\$ 861,361	\$ 384,635	\$ 236,486	\$ 292,670	\$ 619,835	\$ 98,244	\$ -	\$ -	\$ -	\$ -	\$ 342,316	\$ 2,507,095	\$ 1,060,395	\$ 3,567,490
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 731,942	\$ 861,361	\$ 384,635	\$ 236,486	\$ 292,670	\$ 619,835	\$ 98,244	\$ -	\$ -	\$ -	\$ -	\$ 342,316	\$ 2,507,095	\$ 1,060,395	\$ 3,567,490
PNTGS Path Supplies															
PNGTS	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 25,402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,209	\$ 940,415	\$ 28,611	\$ 969,026
PNGTS Path Total	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 25,402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,209	\$ 940,415	\$ 28,611	\$ 969,026
Niagara Path Supplies															
Niagara	\$ -	\$ 71,796	\$ 128,648	\$ 53,224	\$ 58,770	\$ 136,915	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,641	\$ 312,438	\$ 161,556	\$ 473,994
Niagara Path Total	\$ -	\$ 71,796	\$ 128,648	\$ 53,224	\$ 58,770	\$ 136,915	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,641	\$ 312,438	\$ 161,556	\$ 473,994
Tennessee Production Supplies															
Tennessee Production	\$ 1,682,014	\$ 1,836,624	\$ 1,881,455	\$ 1,760,862	\$ 1,869,613	\$ 1,733,351	\$ 1,440,749	\$ 1,059,878	\$ 1,033,057	\$ 1,044,781	\$ 1,136,374	\$ 1,817,370	\$ 9,030,568	\$ 9,265,559	\$ 18,296,127
Tennessee Production Path Total	\$ 1,682,014	\$ 1,836,624	\$ 1,881,455	\$ 1,760,862	\$ 1,869,613	\$ 1,733,351	\$ 1,440,749	\$ 1,059,878	\$ 1,033,057	\$ 1,044,781	\$ 1,136,374	\$ 1,817,370	\$ 9,030,568	\$ 9,265,559	\$ 18,296,127
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ -	\$ 394,772	\$ 369,302	\$ 394,772	\$ 72,793	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,158,846	\$ 72,793	\$ 1,231,639
Tenn Zone 4 Spot	\$ 331,484	\$ 371,588	\$ -	\$ -	\$ -	\$ 293,037	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 703,072	\$ 2,567,034	\$ 3,270,106
Tennessee Storage Path Total	\$ 331,484	\$ 371,588	\$ 394,772	\$ 369,302	\$ 394,772	\$ 365,830	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 1,861,918	\$ 2,639,827	\$ 4,501,745
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 3,216,244	\$ 4,433,722	\$ 3,845,940	\$ 2,858,550	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,354,456	\$ -	\$ 14,354,456
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 AMA Spot (PNGTS)	\$ 966,988	\$ -	\$ -	\$ -	\$ 84,324	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,051,312	\$ -	\$ 1,051,312
W10 Path Total	\$ 966,988	\$ 3,216,244	\$ 4,433,722	\$ 3,845,940	\$ 2,942,874	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,405,768	\$ -	\$ 15,405,768
New Lewiston Supplies															
Lewiston	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$ 1,007,880	\$ 1,072,275	\$ 22,033	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,202,549	\$ 22,033	\$ 5,224,582
New Lewiston Supplies Total	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$ 1,007,880	\$ 1,072,275	\$ 22,033	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,202,549	\$ 22,033	\$ 5,224,582
New TGP Zone 6 Supplies															
TGP Zone 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New TGP Zone 6 Supplies Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lewiston LNG Plant															
LNG	\$ 8,303	\$ 36,675	\$ 385,763	\$ 72,427	\$ 11,164	\$ 10,222	\$ 10,305	\$ 9,761	\$ 9,888	\$ 9,713	\$ 9,253	\$ 9,425	\$ 514,332	\$ 68,568	\$ 582,900
LNG Plant Total	\$ 8,303	\$ 36,675	\$ 385,763	\$ 72,427	\$ 11,164	\$ 10,222	\$ 10,305	\$ 9,761	\$ 9,888	\$ 9,713	\$ 9,253	\$ 9,425	\$ 514,332	\$ 68,568	\$ 582,900
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 124,036	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 124,036	\$ -	\$ 124,036
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 124,036	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 124,036	\$ -	\$ 124,036
Total Commodity Cost	\$ 4,885,354	\$ 7,644,683	\$ 9,004,785	\$ 7,528,322	\$ 6,835,974	\$ 2,913,588	\$ 1,925,708	\$ 1,436,962	\$ 1,426,170	\$ 1,439,715	\$ 1,519,065	\$ 2,585,340	\$ 35,899,119	\$ 13,246,549	\$ 49,145,668

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	563,181	810,683	913,908	784,709	743,922	212,261	152,456	116,230	114,758	115,149	119,773	186,620	3,816,402	1,017,247	4,833,649
New Hampshire Requirement	469,995	759,546	873,624	740,850	638,495	419,241	265,008	192,791	189,004	189,932	201,627	355,720	3,482,510	1,813,323	5,295,833
Northern Requirement	1,033,177	1,570,229	1,787,531	1,525,558	1,382,417	631,502	417,464	309,021	303,762	305,080	321,400	542,340	7,298,912	2,830,570	10,129,482
Chicago Path Supplies															
Chicago	162,381	180,896	78,974	48,535	60,499	133,248	21,058	0	0	0	0	70,874	531,286	225,180	756,466
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	162,381	180,896	78,974	48,535	60,499	133,248	21,058	0	0	0	0	70,874	531,286	225,180	756,466
PNTGS Path Supplies															
PNGTS	29,895	30,892	30,892	28,899	30,892	5,197	0	0	0	0	0	634	151,468	5,831	157,299
PNGTS Path Total	29,895	30,892	30,892	28,899	30,892	5,197	0	0	0	0	0	634	151,468	5,831	157,299
Niagara Path Supplies															
Niagara	0	14,414	25,283	10,455	11,625	28,835	0	0	0	0	0	5,008	61,777	33,842	95,619
Niagara Path Total	0	14,414	25,283	10,455	11,625	28,835	0	0	0	0	0	5,008	61,777	33,842	95,619
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	379,071	313,056	228,360	220,412	221,731	240,739	382,474	1,992,506	1,985,841	3,978,347
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	379,071	313,056	228,360	220,412	221,731	240,739	382,474	1,992,506	1,985,841	3,978,347
Tennessee Storage Path															
Tennessee Storage	0	0	81,955	76,668	81,955	15,112	0	0	0	0	0	0	240,578	15,112	255,690
Tenn Zone 4 Spot	77,130	81,955	0	0	0	64,199	81,955	79,311	81,955	81,955	79,311	81,955	159,085	550,643	709,728
Tennessee Storage Path Total	77,130	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,663	565,755	965,418
Washington 10 Storage Path															
Washington 10 Storage	0	679,505	936,725	812,543	603,934	0	0	0	0	0	0	0	3,032,707	0	3,032,707
Washington 10 Supply (Chicago)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 AMA Spot (PNGTS)	204,162	0	0	0	15,251	0	0	0	0	0	0	0	219,413	0	219,413
W10 Path Total	204,162	679,505	936,725	812,543	619,185	0	0	0	0	0	0	0	3,252,120	0	3,252,120
New Lewiston Supplies															
Lewiston	165,000	170,500	170,500	159,500	170,500	4,490	0	0	0	0	0	0	836,000	4,490	840,490
New Lewiston Supplies Total	165,000	170,500	170,500	159,500	170,500	4,490	0	0	0	0	0	0	836,000	4,490	840,490
New Lewiston Supplies															
TGP Zone 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Lewiston Supplies Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewiston LNG Plant															
LNG	1,350	5,701	47,617	8,810	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	64,874	9,630	74,504
LNG Plant Total	1,350	5,701	47,617	8,810	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	64,874	9,630	74,504
Peaking Supplies															
Peaking Supply 1	0	0	9,219	0	0	0	0	0	0	0	0	0	9,219	0	9,219
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	9,219	0	0	0	0	0	0	0	0	0	9,219	0	9,219
Northern Requirement	1,033,177	1,570,229	1,787,531	1,525,558	1,382,417	631,502	417,464	309,021	303,762	305,080	321,400	542,340	7,298,912	2,830,570	10,129,482
Total Delivered (Dth)	1,033,176	1,570,229	1,787,532	1,525,559	1,382,417	631,502	417,464	309,021	303,762	305,081	321,400	542,340	7,298,913	2,830,570	10,129,483

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 4.508	\$ 4.762	\$ 4.870	\$ 4.872	\$ 4.838	\$ 4.652	\$ 4.665					\$ 4.830	\$ 4.719	\$ 4.709	\$ 4.716
Chicago Path Total	\$ 4.508	\$ 4.762	\$ 4.870	\$ 4.872	\$ 4.838	\$ 4.652	\$ 4.665					\$ 4.830	\$ 4.719	\$ 4.709	\$ 4.716
PNTGS Path Supplies															
PNGTS	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.907	\$ 6.160
PNGTS Path Total	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.907	\$ 6.160
Niagara Path Supplies															
Niagara		\$ 4.981	\$ 5.088	\$ 5.091	\$ 5.056	\$ 4.748						\$ 4.921	\$ 5.058	\$ 4.774	\$ 4.957
Niagara Path Total		\$ 4.981	\$ 5.088	\$ 5.091	\$ 5.056	\$ 4.748						\$ 4.921	\$ 5.058	\$ 4.774	\$ 4.957
Tennessee Production Supplies															
Tennessee Production	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.599
Tennessee Production Path Total	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.599
Tennessee Storage Path															
Tennessee Storage Tenn Zone 4 Spot	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.564	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.739	\$ 4.817	\$ 4.817	\$ 4.817
Tennessee Storage Path Total	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.613	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.708	\$ 4.739	\$ 4.659	\$ 4.666	\$ 4.663
Washington 10 Storage Path															
Washington 10 Storage Washington 10 Supply (Chicago) W10 AMA Spot (PNGTS)	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 5.529								\$ 4.733		\$ 4.733
W10 Path Total	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 4.753								\$ 4.791		\$ 4.791
New Lewiston Supplies															
Lewiston	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907							\$ 6.223	\$ 4.907	\$ 6.216
New Lewiston Supplies Total	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907							\$ 6.223	\$ 4.907	\$ 6.216
New Lewiston Supplies															
TGP Zone 6 New Lewiston Supplies Total															
Lewiston LNG Plant															
LNG	\$ 6.150	\$ 6.433	\$ 8.101	\$ 8.221	\$ 8.003	\$ 7.572	\$ 7.387	\$ 7.230	\$ 7.088	\$ 6.963	\$ 6.854	\$ 6.756	\$ 7.928	\$ 7.120	\$ 7.824
LNG Plant Total	\$ 6.150	\$ 6.433	\$ 8.101	\$ 8.221	\$ 8.003	\$ 7.572	\$ 7.387	\$ 7.230	\$ 7.088	\$ 6.963	\$ 6.854	\$ 6.756	\$ 7.928	\$ 7.120	\$ 7.824
Peaking Supplies															
Peaking Supply 1 Peaking Supply 2 Peaking Supply 3			\$ 13.454										\$ 13.454		\$ 13.454
Peaking Supply Total			\$ 13.454										\$ 13.454		\$ 13.454
Total Cost per Dth	\$ 4.728	\$ 4.869	\$ 5.038	\$ 4.935	\$ 4.945	\$ 4.614	\$ 4.613	\$ 4.650	\$ 4.695	\$ 4.719	\$ 4.726	\$ 4.767	\$ 4.918	\$ 4.680	\$ 4.852

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 86,567	\$ 400,183	\$ 651,409	\$ 494,367	\$ 203,827	\$ 602,061	\$ 115,591	\$ -	\$ -	\$ -	\$ -	\$ 355,626	\$ 1,836,352	\$ 1,073,277	\$ 2,909,629
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 86,567	\$ 400,183	\$ 651,409	\$ 494,367	\$ 203,827	\$ 602,061	\$ 115,591	\$ -	\$ -	\$ -	\$ -	\$ 355,626	\$ 1,836,352	\$ 1,073,277	\$ 2,909,629
PNTGS Path Supplies															
PNTGS	\$ -	\$ 37,750	\$ 78,204	\$ 54,690	\$ 130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 170,775	\$ -	\$ 170,775
PNTGS Path Total	\$ -	\$ 37,750	\$ 78,204	\$ 54,690	\$ 130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 170,775	\$ -	\$ 170,775
Niagara Path Supplies															
Niagara	\$ -	\$ 161,286	\$ 276,849	\$ 172,538	\$ 47,442	\$ 7,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 658,115	\$ 7,850	\$ 665,965
Niagara Path Total	\$ -	\$ 161,286	\$ 276,849	\$ 172,538	\$ 47,442	\$ 7,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 658,115	\$ 7,850	\$ 665,965
Tennessee Production Supplies															
Tennessee Production	\$1,939,456	\$ 2,109,838	\$ 2,029,259	\$1,899,560	\$2,126,755	\$1,926,468	\$1,601,654	\$1,180,667	\$1,148,274	\$1,160,024	\$1,260,485	\$2,005,055	\$ 10,104,869	\$ 10,282,627	\$ 20,387,495
Tennessee Production Path Total	\$1,939,456	\$ 2,109,838	\$ 2,029,259	\$1,899,560	\$2,126,755	\$1,926,468	\$1,601,654	\$1,180,667	\$1,148,274	\$1,160,024	\$1,260,485	\$2,005,055	\$ 10,104,869	\$ 10,282,627	\$ 20,387,495
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,986	\$ 392,270	\$ 354,308	\$ 392,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,223,834	\$ -	\$ 1,223,834
Tenn Zone 4 Spot	\$ 391,457	\$ 333,148	\$ -	\$ -	\$ -	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 724,605	\$ 2,903,465	\$ 3,628,070
Tennessee Storage Path Total	\$ 391,457	\$ 418,133	\$ 392,270	\$ 354,308	\$ 392,270	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 1,948,439	\$ 2,903,465	\$ 4,851,904
Washington 10 Storage Path															
Washington 10 Storage	\$ 61,168	\$ 1,919,401	\$ 4,803,255	\$4,254,983	\$3,174,933	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,213,740	\$ -	\$ 14,213,740
Washington 10 Supply (Chicago)	\$2,300,676	\$ 2,775,443	\$ -	\$ -	\$ 943,851	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,019,970	\$ -	\$ 6,019,970
W10 AMA Spot (PNTGS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$2,361,844	\$ 4,694,844	\$ 4,803,255	\$4,254,983	\$4,118,785	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,233,710	\$ -	\$ 20,233,710
New Lewiston Supplies															
Lewiston	\$ -	\$ 72,829	\$ 290,009	\$ 139,486	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 502,324	\$ -	\$ 502,324
New Lewiston Supplies Total	\$ -	\$ 72,829	\$ 290,009	\$ 139,486	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 502,324	\$ -	\$ 502,324
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 436,777	\$ 340,166	\$ 706,118	\$ 481,902	\$ 80,509	\$ 300,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,527	\$ 2,045,473	\$ 366,521	\$ 2,411,994
New TGP Zone 6 Supplies Total	\$ 436,777	\$ 340,166	\$ 706,118	\$ 481,902	\$ 80,509	\$ 300,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,527	\$ 2,045,473	\$ 366,521	\$ 2,411,994
Lewiston LNG Plant															
LNG	\$ 9,033	\$ 9,475	\$ 240,034	\$ 64,745	\$ 11,828	\$ 10,867	\$ 10,972	\$ 10,404	\$ 10,551	\$ 10,374	\$ 9,890	\$ 10,082	\$ 335,116	\$ 73,140	\$ 408,255
LNG Plant Total	\$ 9,033	\$ 9,475	\$ 240,034	\$ 64,745	\$ 11,828	\$ 10,867	\$ 10,972	\$ 10,404	\$ 10,551	\$ 10,374	\$ 9,890	\$ 10,082	\$ 335,116	\$ 73,140	\$ 408,255
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 89,517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 89,517	\$ -	\$ 89,517
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 89,517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 89,517	\$ -	\$ 89,517
Total Commodity Cost	\$5,225,134	\$ 8,244,504	\$ 9,556,925	\$7,916,580	\$6,981,546	\$3,249,430	\$2,144,028	\$1,596,043	\$1,580,370	\$1,593,689	\$1,680,414	\$2,862,905	\$ 37,924,689	\$ 14,706,879	\$ 52,631,569

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	569,266	819,443	923,782	793,187	751,960	212,702	152,773	116,471	114,996	115,388	120,022	187,007	3,857,638	1,019,357	4,876,995
New Hampshire Requirement	476,392	769,883	885,514	750,933	647,185	422,764	267,235	194,411	190,592	191,528	203,321	358,709	3,529,906	1,828,560	5,358,466
Northern Requirement	1,045,658	1,589,326	1,809,296	1,544,120	1,399,145	635,466	420,007	310,882	305,588	306,915	323,343	545,716	7,387,544	2,847,917	10,235,462
Chicago Path Supplies															
Chicago	16,732	73,397	116,493	88,830	37,108	116,428	22,322	0	0	0	0	66,818	332,561	205,568	538,129
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	16,732	73,397	116,493	88,830	37,108	116,428	22,322	0	0	0	0	66,818	332,561	205,568	538,129
PNTGS Path Supplies															
PNGTS	0	5,402	9,183	6,581	21	0	0	0	0	0	0	0	21,186	0	21,186
PNGTS Path Total	0	5,402	9,183	6,581	21	0	0	0	0	0	0	0	21,186	0	21,186
Niagara Path Supplies															
Niagara	0	28,615	47,985	30,038	8,359	1,500	0	0	0	0	0	0	114,996	1,500	116,496
Niagara Path Total	0	28,615	47,985	30,038	8,359	1,500	0	0	0	0	0	0	114,996	1,500	116,496
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	380,772	358,184	406,366	379,262	314,336	230,221	222,238	223,566	242,682	383,344	1,944,947	1,995,648	3,940,595
Tennessee Production Path Total	393,258	406,366	380,772	358,184	406,366	379,262	314,336	230,221	222,238	223,566	242,682	383,344	1,944,947	1,995,648	3,940,595
Tennessee Storage Path															
Tennessee Storage	0	17,756	81,955	74,024	81,955	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	79,311	64,199	0	0	0	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	12,973	407,082	1,018,713	902,432	673,366	0	0	0	0	0	0	0	3,014,566	0	3,014,566
Washington 10 Supply (Chicago)	456,638	524,205	0	0	176,898	0	0	0	0	0	0	0	1,157,742	0	1,157,742
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	469,611	931,288	1,018,713	902,432	850,264	0	0	0	0	0	0	0	4,172,308	0	4,172,308
New Lewiston Supplies															
Lewiston	0	10,404	34,027	16,769	0	0	0	0	0	0	0	0	61,200	0	61,200
New Lewiston Supplies Total	0	10,404	34,027	16,769	0	0	0	0	0	0	0	0	61,200	0	61,200
New TGP Zone 6 Supplies															
TGP Zone 6	85,395	50,504	85,447	59,803	13,677	57,616	0	0	0	0	0	12,203	294,826	69,819	364,645
New TGP Zone 6 Supplies Total	85,395	50,504	85,447	59,803	13,677	57,616	0	0	0	0	0	12,203	294,826	69,819	364,645
Lewiston LNG Plant															
LNG	1,350	1,395	28,385	7,459	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	39,984	9,630	49,614
LNG Plant Total	1,350	1,395	28,385	7,459	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	39,984	9,630	49,614
Peaking Supplies															
Peaking Supply 1	0	0	6,336	0	0	0	0	0	0	0	0	0	6,336	0	6,336
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	6,336	0	0	0	0	0	0	0	0	0	6,336	0	6,336
Northern Requirement	1,045,658	1,589,326	1,809,296	1,544,120	1,399,145	635,466	420,007	310,882	305,588	306,915	323,343	545,716	7,387,544	2,847,917	10,235,462
Total Delivered (Dth)	1,045,658	1,589,326	1,809,296	1,544,120	1,399,145	635,466	420,008	310,882	305,588	306,916	323,343	545,716	7,387,545	2,847,919	10,235,464

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 5.174	\$ 5.452	\$ 5.592	\$ 5.565	\$ 5.493	\$ 5.171	\$ 5.178					\$ 5.322	\$ 5.522	\$ 5.221	\$ 5.407
Chicago Path Total	\$ 5.174	\$ 5.452	\$ 5.592	\$ 5.565	\$ 5.493	\$ 5.171	\$ 5.178					\$ 5.322	\$ 5.522	\$ 5.221	\$ 5.407
PNTGS Path Supplies															
PNGTS		\$ 6.988	\$ 8.517	\$ 8.311	\$ 6.137								\$ 8.061		\$ 8.061
PNGTS Path Total		\$ 6.988	\$ 8.517	\$ 8.311	\$ 6.137								\$ 8.061		\$ 8.061
Niagara Path Supplies															
Niagara		\$ 5.636	\$ 5.770	\$ 5.744	\$ 5.676	\$ 5.234							\$ 5.723	\$ 5.234	\$ 5.717
Niagara Path Total		\$ 5.636	\$ 5.770	\$ 5.744	\$ 5.676	\$ 5.234							\$ 5.723	\$ 5.234	\$ 5.717
Tennessee Production Supplies															
Tennessee Production	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.195	\$ 5.153	\$ 5.174
Tennessee Production Path Total	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.195	\$ 5.153	\$ 5.174
Tennessee Storage Path															
Tennessee Storage Tenn Zone 4 Spot	\$ 4.936	\$ 4.786 \$ 5.189	\$ 4.786	\$ 4.786	\$ 4.786	\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 4.786 \$ 5.049	\$ 5.132	\$ 4.786 \$ 5.115
Tennessee Storage Path Total	\$ 4.936	\$ 5.102	\$ 4.786	\$ 4.786	\$ 4.786	\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 4.881	\$ 5.132	\$ 5.028
Washington 10 Storage Path															
Washington 10 Storage Washington 10 Supply (Chicago) W10 AMA Spot (PNGTS)	\$ 4.715 \$ 5.038	\$ 4.715 \$ 5.295	\$ 4.715	\$ 4.715	\$ 4.715 \$ 5.336								\$ 4.715 \$ 5.200		\$ 4.715 \$ 5.200
W10 Path Total	\$ 5.029	\$ 5.041	\$ 4.715	\$ 4.715	\$ 4.844								\$ 4.850		\$ 4.850
New Lewiston Supplies															
Lewiston		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.208		\$ 8.208
New Lewiston Supplies Total		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.208		\$ 8.208
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.938	\$ 5.250	\$ 6.615
New TGP Zone 6 Supplies Total	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.938	\$ 5.250	\$ 6.615
Lewiston LNG Plant															
LNG	\$ 6.691	\$ 6.792	\$ 8.456	\$ 8.680	\$ 8.479	\$ 8.050	\$ 7.865	\$ 7.707	\$ 7.563	\$ 7.436	\$ 7.326	\$ 7.227	\$ 8.381	\$ 7.595	\$ 8.229
LNG Plant Total	\$ 6.691	\$ 6.792	\$ 8.456	\$ 8.680	\$ 8.479	\$ 8.050	\$ 7.865	\$ 7.707	\$ 7.563	\$ 7.436	\$ 7.326	\$ 7.227	\$ 8.381	\$ 7.595	\$ 8.229
Peaking Supplies															
Peaking Supply 1 Peaking Supply 2 Peaking Supply 3			\$ 14.128										\$ 14.128		\$ 14.128
Peaking Supply Total			\$ 14.128										\$ 14.128		\$ 14.128
Total Cost per Dth	\$ 4.997	\$ 5.187	\$ 5.282	\$ 5.127	\$ 4.990	\$ 5.113	\$ 5.105	\$ 5.134	\$ 5.172	\$ 5.193	\$ 5.197	\$ 5.246	\$ 5.134	\$ 5.164	\$ 5.142

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 738,381	\$ 879,572	\$ 899,576	\$ 808,252	\$ 882,249	\$ 648,499	\$ 141,785	\$ -	\$ -	\$ -	\$ -	\$ 395,168	\$ 4,208,030	\$ 1,185,452	\$ 5,393,482
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 738,381	\$ 879,572	\$ 899,576	\$ 808,252	\$ 882,249	\$ 648,499	\$ 141,785	\$ -	\$ -	\$ -	\$ -	\$ 395,168	\$ 4,208,030	\$ 1,185,452	\$ 5,393,482
PNTGS Path Supplies															
PNTGS	\$ 149,896	\$ 28,304	\$ 64,245	\$ 38,871	\$ 200,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 481,756	\$ -	\$ 481,756
PNTGS Path Total	\$ 149,896	\$ 28,304	\$ 64,245	\$ 38,871	\$ 200,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 481,756	\$ -	\$ 481,756
Niagara Path Supplies															
Niagara	\$ 219,207	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,944,023	\$ -	\$ 1,944,023
Niagara Path Total	\$ 219,207	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,944,023	\$ -	\$ 1,944,023
Tennessee Production Supplies															
Tennessee Production	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,051,033	\$ 1,721,340	\$ 1,281,639	\$ 1,246,202	\$ 1,259,792	\$ 1,368,481	\$ 2,139,305	\$ 11,129,130	\$ 11,067,791	\$ 22,196,921
Tennessee Production Path Total	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,051,033	\$ 1,721,340	\$ 1,281,639	\$ 1,246,202	\$ 1,259,792	\$ 1,368,481	\$ 2,139,305	\$ 11,129,130	\$ 11,067,791	\$ 22,196,921
Tennessee Storage Path															
Tennessee Storage	\$ 13,954	\$ 79,772	\$ 432,580	\$ 390,717	\$ 432,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,349,596	\$ -	\$ 1,349,596
Tenn Zone 4 Spot	\$ 411,612	\$ 374,859	\$ -	\$ -	\$ 7	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 786,479	\$ 3,078,474	\$ 3,864,953
Tennessee Storage Path Total	\$ 425,567	\$ 454,631	\$ 432,580	\$ 390,717	\$ 432,580	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 2,136,075	\$ 3,078,474	\$ 5,214,549
Washington 10 Storage Path															
Washington 10 Storage	\$ 260,822	\$ 5,499,563	\$ 6,290,972	\$ 5,496,024	\$ 2,374,892	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,922,274	\$ -	\$ 19,922,274
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ 12,938	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,938	\$ -	\$ 12,938
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 260,822	\$ 5,499,563	\$ 6,290,972	\$ 5,496,024	\$ 2,387,829	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,935,211	\$ -	\$ 19,935,211
New Lewiston Supplies															
Lewiston	\$ 511,293	\$ 37,642	\$ 293,730	\$ 103,847	\$ 318,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,265,347	\$ -	\$ 1,265,347
New Lewiston Supplies Total	\$ 511,293	\$ 37,642	\$ 293,730	\$ 103,847	\$ 318,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,265,347	\$ -	\$ 1,265,347
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,483,315	\$ 500,975	\$ 1,025,845	\$ 686,461	\$ 1,718,193	\$ 375,926	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 91,414	\$ 5,414,789	\$ 467,339	\$ 5,882,129
New TGP Zone 6 Supplies Total	\$ 1,483,315	\$ 500,975	\$ 1,025,845	\$ 686,461	\$ 1,718,193	\$ 375,926	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 91,414	\$ 5,414,789	\$ 467,339	\$ 5,882,129
Lewiston LNG Plant															
LNG	\$ 9,662	\$ 10,118	\$ 203,483	\$ 55,277	\$ 12,283	\$ 11,303	\$ 11,420	\$ 10,835	\$ 10,994	\$ 10,815	\$ 10,316	\$ 10,644	\$ 290,824	\$ 76,327	\$ 367,151
LNG Plant Total	\$ 9,662	\$ 10,118	\$ 203,483	\$ 55,277	\$ 12,283	\$ 11,303	\$ 11,420	\$ 10,835	\$ 10,994	\$ 10,815	\$ 10,316	\$ 10,644	\$ 290,824	\$ 76,327	\$ 367,151
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 53,259	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,259	\$ -	\$ 53,259
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 53,259	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,259	\$ -	\$ 53,259
Total Commodity Cost	\$ 5,912,365	\$ 10,132,880	\$ 12,048,742	\$ 10,081,543	\$ 8,682,914	\$ 3,512,728	\$ 2,315,708	\$ 1,721,739	\$ 1,703,762	\$ 1,719,334	\$ 1,813,613	\$ 3,088,500	\$ 46,858,445	\$ 15,875,384	\$ 62,733,829

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2013 through October 2014																
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL	
Maine Requirement	578,201	832,304	938,281	805,636	763,762	215,131	154,517	117,801	116,309	116,705	121,392	189,142	3,918,183	1,030,998	4,949,181	
New Hampshire Requirement	485,318	784,308	902,105	765,002	659,311	431,300	272,631	198,336	194,441	195,395	207,426	365,952	3,596,044	1,865,482	5,461,526	
Northern Requirement	1,063,519	1,616,612	1,840,386	1,570,639	1,423,073	646,431	427,148	316,138	310,749	312,100	328,819	555,095	7,514,228	2,896,480	10,410,708	
Chicago Path Supplies																
Chicago	131,275	149,368	149,368	134,913	149,368	118,016	25,778	0	0	0	0	70,031	714,293	213,825	928,118	
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chicago Path Total	131,275	149,368	149,368	134,913	149,368	118,016	25,778	0	0	0	0	70,031	714,293	213,825	928,118	
PNTGS Path Supplies																
PNGTS	25,862	3,823	7,198	4,460	30,692	0	0	0	0	0	0	0	72,035	0	72,035	
PNGTS Path Total	25,862	3,823	7,198	4,460	30,692	0	0	0	0	0	0	0	72,035	0	72,035	
Niagara Path Supplies																
Niagara	37,717	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	319,859	0	319,859	
Niagara Path Total	37,717	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	319,859	0	319,859	
Tennessee Production Supplies																
Tennessee Production	393,258	406,366	406,366	367,041	406,366	379,814	318,020	235,476	227,400	228,750	248,157	385,607	1,979,397	2,023,223	4,002,620	
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	379,814	318,020	235,476	227,400	228,750	248,157	385,607	1,979,397	2,023,223	4,002,620	
Tennessee Storage Path																
Tennessee Storage	2,644	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	255,690	0	255,690	
Tenn Zone 4 Spot	76,668	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266	
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956	
Washington 10 Storage Path																
Washington 10 Storage	39,187	826,275	945,179	825,743	356,812	0	0	0	0	0	0	0	2,993,196	0	2,993,196	
Washington 10 Supply (Chicago)	0	0	0	0	1,787	0	0	0	0	0	0	0	1,787	0	1,787	
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
W10 Path Total	39,187	826,275	945,179	825,743	358,600	0	0	0	0	0	0	0	2,994,983	0	2,994,983	
New Lewiston Supplies																
Lewiston	87,972	5,078	32,889	11,908	48,722	0	0	0	0	0	0	0	186,568	0	186,568	
New Lewiston Supplies Total	87,972	5,078	32,889	11,908	48,722	0	0	0	0	0	0	0	186,568	0	186,568	
New TGP Zone 6 Supplies																
TGP Zone 6	267,587	70,067	118,277	81,118	273,691	67,939	0	0	0	0	0	16,106	810,740	84,045	894,785	
New TGP Zone 6 Supplies Total	267,587	70,067	118,277	81,118	273,691	67,939	0	0	0	0	0	16,106	810,740	84,045	894,785	
Lewiston LNG Plant																
LNG	1,350	1,395	23,206	6,143	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	33,489	9,630	43,119	
LNG Plant Total	1,350	1,395	23,206	6,143	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	33,489	9,630	43,119	
Peaking Supplies																
Peaking Supply 1	0	0	3,664	0	0	0	0	0	0	0	0	0	3,664	0	3,664	
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Peaking Supply Total	0	0	3,664	0	0	0	0	0	0	0	0	0	3,664	0	3,664	
Northern Requirement	1,063,519	1,616,612	1,840,386	1,570,639	1,423,073	646,431	427,148	316,138	310,749	312,100	328,819	555,095	7,514,228	2,896,480	10,410,708	
Total Delivered (Dth)	1,063,519	1,616,612	1,840,386	1,570,638	1,423,073	646,431	427,148	316,137	310,750	312,100	328,818	555,094	7,514,228	2,896,478	10,410,706	

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 5.625	\$ 5.889	\$ 6.023	\$ 5.991	\$ 5.907	\$ 5.495	\$ 5.500					\$ 5.643	\$ 5.891	\$ 5.544	\$ 5.811
Chicago Path Total	\$ 5.625	\$ 5.889	\$ 6.023	\$ 5.991	\$ 5.907	\$ 5.495	\$ 5.500					\$ 5.643	\$ 5.891	\$ 5.544	\$ 5.811
PNTGS Path Supplies															
PNGTS	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 6.688		\$ 6.688
PNGTS Path Total	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 6.688		\$ 6.688
Niagara Path Supplies															
Niagara	\$ 5.812	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.078		\$ 6.078
Niagara Path Total	\$ 5.812	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.078		\$ 6.078
Tennessee Production Supplies															
Tennessee Production	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.470	\$ 5.546
Tennessee Production Path Total	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.470	\$ 5.546
Tennessee Storage Path															
Tennessee Storage	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278								\$ 5.278		\$ 5.278
Tenn Zone 4 Spot	\$ 5.369	\$ 5.608			\$ 5.625	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.480	\$ 5.441	\$ 5.449
Tennessee Storage Path Total	\$ 5.366	\$ 5.547	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.351	\$ 5.441	\$ 5.404
Washington 10 Storage Path															
Washington 10 Storage	\$ 6.656	\$ 6.656	\$ 6.656	\$ 6.656	\$ 6.656								\$ 6.656		\$ 6.656
Washington 10 Supply (Chicago)					\$ 7.239								\$ 7.239		\$ 7.239
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 6.656	\$ 6.656	\$ 6.656	\$ 6.656	\$ 6.659								\$ 6.656		\$ 6.656
New Lewiston Supplies															
Lewiston	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 6.782		\$ 6.782
New Lewiston Supplies Total	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 6.782		\$ 6.782
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.679	\$ 5.561	\$ 6.574
New TGP Zone 6 Supplies Total	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.679	\$ 5.561	\$ 6.574
Lewiston LNG Plant															
LNG	\$ 7.157	\$ 7.253	\$ 8.768	\$ 8.999	\$ 8.805	\$ 8.373	\$ 8.186	\$ 8.026	\$ 7.881	\$ 7.753	\$ 7.642	\$ 7.630	\$ 8.684	\$ 7.926	\$ 8.515
LNG Plant Total	\$ 7.157	\$ 7.253	\$ 8.768	\$ 8.999	\$ 8.805	\$ 8.373	\$ 8.186	\$ 8.026	\$ 7.881	\$ 7.753	\$ 7.642	\$ 7.630	\$ 8.684	\$ 7.926	\$ 8.515
Peaking Supplies															
Peaking Supply 1			\$ 14.538										\$ 14.538		\$ 14.538
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 14.538										\$ 14.538		\$ 14.538
Total Cost per Dth	\$ 5.559	\$ 6.268	\$ 6.547	\$ 6.419	\$ 6.102	\$ 5.434	\$ 5.421	\$ 5.446	\$ 5.483	\$ 5.509	\$ 5.516	\$ 5.564	\$ 6.236	\$ 5.481	\$ 6.026

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 786,516	\$ 925,250	\$ 943,994	\$ 848,230	\$ 926,195	\$ 693,924	\$ 186,775	\$ -	\$ -	\$ -	\$ -	\$ 440,923	\$ 4,430,186	\$ 1,321,623	\$ 5,751,808
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 786,516	\$ 925,250	\$ 943,994	\$ 848,230	\$ 926,195	\$ 693,924	\$ 186,775	\$ -	\$ -	\$ -	\$ -	\$ 440,923	\$ 4,430,186	\$ 1,321,623	\$ 5,751,808
PNTGS Path Supplies															
PNGTS	\$ 176,577	\$ 41,499	\$ 84,314	\$ 58,270	\$ 212,409	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 573,068	\$ -	\$ 573,068
PNGTS Path Total	\$ 176,577	\$ 41,499	\$ 84,314	\$ 58,270	\$ 212,409	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 573,068	\$ -	\$ 573,068
Niagara Path Supplies															
Niagara	\$ 251,713	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,057,120	\$ -	\$ 2,057,120
Niagara Path Total	\$ 251,713	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,057,120	\$ -	\$ 2,057,120
Tennessee Production Supplies															
Tennessee Production	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,156,369	\$ 1,831,011	\$ 1,391,359	\$ 1,353,462	\$ 1,368,324	\$ 1,484,946	\$ 2,261,741	\$ 11,718,763	\$ 11,847,210	\$ 23,565,974
Tennessee Production Path Total	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,156,369	\$ 1,831,011	\$ 1,391,359	\$ 1,353,462	\$ 1,368,324	\$ 1,484,946	\$ 2,261,741	\$ 11,718,763	\$ 11,847,210	\$ 23,565,974
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,654	\$ 459,053	\$ 414,628	\$ 459,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,417,380	\$ -	\$ 1,417,380
Tenn Zone 4 Spot	\$ 449,858	\$ 394,520	\$ -	\$ -	\$ 8	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 844,386	\$ 3,225,376	\$ 4,069,762
Tennessee Storage Path Total	\$ 449,858	\$ 479,173	\$ 459,053	\$ 414,628	\$ 459,053	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 2,261,766	\$ 3,225,376	\$ 5,487,141
Washington 10 Storage Path															
Washington 10 Storage	\$ 337,753	\$ 5,909,173	\$ 6,681,347	\$ 5,811,559	\$ 2,167,381	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,907,213	\$ -	\$ 20,907,213
Washington 10 Supply (Chicago)	\$ 5,274	\$ -	\$ -	\$ 80,667	\$ 33,617	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 119,559	\$ -	\$ 119,559
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 343,028	\$ 5,909,173	\$ 6,681,347	\$ 5,892,226	\$ 2,200,998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,026,772	\$ -	\$ 21,026,772
New Lewiston Supplies															
Lewiston	\$ 577,840	\$ 83,322	\$ 313,752	\$ 154,729	\$ 843,146	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,972,788	\$ -	\$ 1,972,788
New Lewiston Supplies Total	\$ 577,840	\$ 83,322	\$ 313,752	\$ 154,729	\$ 843,146	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,972,788	\$ -	\$ 1,972,788
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,566,372	\$ 601,374	\$ 1,220,871	\$ 803,435	\$ 1,805,009	\$ 474,242	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 137,641	\$ 5,997,060	\$ 611,883	\$ 6,608,943
New TGP Zone 6 Supplies Total	\$ 1,566,372	\$ 601,374	\$ 1,220,871	\$ 803,435	\$ 1,805,009	\$ 474,242	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 137,641	\$ 5,997,060	\$ 611,883	\$ 6,608,943
Lewiston LNG Plant															
LNG	\$ 10,093	\$ 10,559	\$ 271,779	\$ 74,608	\$ 12,830	\$ 11,797	\$ 11,914	\$ 11,301	\$ 11,462	\$ 11,273	\$ 10,750	\$ 10,960	\$ 379,870	\$ 79,457	\$ 459,327
LNG Plant Total	\$ 10,093	\$ 10,559	\$ 271,779	\$ 74,608	\$ 12,830	\$ 11,797	\$ 11,914	\$ 11,301	\$ 11,462	\$ 11,273	\$ 10,750	\$ 10,960	\$ 379,870	\$ 79,457	\$ 459,327
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 116,408	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 116,408	\$ -	\$ 116,408
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 116,408	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 116,408	\$ -	\$ 116,408
Total Commodity Cost	\$ 6,398,595	\$ 10,916,229	\$ 13,016,407	\$ 10,874,076	\$ 9,328,494	\$ 3,782,732	\$ 2,491,811	\$ 1,852,437	\$ 1,832,770	\$ 1,849,770	\$ 1,951,265	\$ 3,324,763	\$ 50,533,801	\$ 17,085,548	\$ 67,619,350

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	589,988	849,270	957,408	822,059	779,331	218,954	157,263	119,895	118,376	118,779	123,550	192,504	3,998,056	1,049,321	5,047,377
New Hampshire Requirement	498,196	805,120	926,043	785,302	676,806	444,752	281,133	204,522	200,505	201,489	213,896	377,366	3,691,467	1,923,662	5,615,129
Northern Requirement	1,088,184	1,654,390	1,883,451	1,607,361	1,456,137	663,706	438,397	324,417	318,881	320,268	337,445	569,869	7,689,524	2,972,983	10,662,507
Chicago Path Supplies															
Chicago	132,432	149,368	149,368	134,913	149,368	120,427	32,391	0	0	0	0	74,544	715,450	227,362	942,812
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	132,432	149,368	149,368	134,913	149,368	120,427	32,391	0	0	0	0	74,544	715,450	227,362	942,812
PNTGS Path Supplies															
PNGTS	28,965	5,394	9,156	6,476	31,188	0	0	0	0	0	0	0	81,179	0	81,179
PNGTS Path Total	28,965	5,394	9,156	6,476	31,188	0	0	0	0	0	0	0	81,179	0	81,179
Niagara Path Supplies															
Niagara	41,170	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	323,312	0	323,312
Niagara Path Total	41,170	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	323,312	0	323,312
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	380,684	322,655	243,756	235,531	236,918	256,785	388,787	1,979,397	2,065,115	4,044,513
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	380,684	322,655	243,756	235,531	236,918	256,785	388,787	1,979,397	2,065,115	4,044,513
Tennessee Storage Path															
Tennessee Storage	0	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	146,155	565,755	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	48,355	845,991	956,540	832,016	310,295	0	0	0	0	0	0	0	2,993,196	0	2,993,196
Washington 10 Supply (Chicago)	724	0	0	10,602	4,468	0	0	0	0	0	0	0	15,793	0	15,793
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	49,079	845,991	956,540	842,618	314,762	0	0	0	0	0	0	0	3,008,989	0	3,008,989
New Lewiston Supplies															
Lewiston	94,557	10,817	34,055	17,188	123,574	0	0	0	0	0	0	0	280,192	0	280,192
New Lewiston Supplies Total	94,557	10,817	34,055	17,188	123,574	0	0	0	0	0	0	0	280,192	0	280,192
New TGP Zone 6 Supplies															
TGP Zone 6	268,061	80,820	136,315	91,879	275,244	81,933	0	0	0	0	0	23,189	852,319	105,122	957,441
New TGP Zone 6 Supplies Total	268,061	80,820	136,315	91,879	275,244	81,933	0	0	0	0	0	23,189	852,319	105,122	957,441
Lewiston LNG Plant															
LNG	1,350	1,395	29,557	7,933	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	41,630	9,630	51,260
LNG Plant Total	1,350	1,395	29,557	7,933	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	41,630	9,630	51,260
Peaking Supplies															
Peaking Supply 1	0	0	7,854	0	0	0	0	0	0	0	0	0	7,854	0	7,854
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	7,854	0	0	0	0	0	0	0	0	0	7,854	0	7,854
Northern Requirement	1,088,184	1,654,390	1,883,451	1,607,361	1,456,137	663,706	438,397	324,417	318,881	320,268	337,445	569,869	7,689,524	2,972,983	10,662,507
Total Delivered (Dth)	1,088,184	1,654,390	1,883,451	1,607,361	1,456,137	663,706	438,396	324,417	318,881	320,268	337,446	569,870	7,689,523	2,972,984	10,662,507

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.939	\$ 6.194	\$ 6.320	\$ 6.287	\$ 6.201	\$ 5.762	\$ 5.766					\$ 5.915	\$ 6.192	\$ 5.813	\$ 6.101
Dawn															
Iroquois Receipts															
Wright															
Chicago Path Total	\$ 5.939	\$ 6.194	\$ 6.320	\$ 6.287	\$ 6.201	\$ 5.762	\$ 5.766					\$ 5.915	\$ 6.192	\$ 5.813	\$ 6.101
PNTGS Path Supplies															
PNGTS	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.059		\$ 7.059
PNGTS Path Total	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.059		\$ 7.059
Niagara Path Supplies															
Niagara	\$ 6.114	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.363		\$ 6.363
Niagara Path Total	\$ 6.114	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.363		\$ 6.363
Tennessee Production Supplies															
Tennessee Production	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.737	\$ 5.827
Tennessee Production Path Total	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.737	\$ 5.827
Tennessee Storage Path															
Tennessee Storage		\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.601								\$ 5.601		\$ 5.601
Tenn Zone 4 Spot	\$ 5.672	\$ 5.902			\$ 5.908	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.777	\$ 5.701	\$ 5.717
Tennessee Storage Path Total	\$ 5.672	\$ 5.847	\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.666	\$ 5.701	\$ 5.686
Washington 10 Storage Path															
Washington 10 Storage	\$ 6.985	\$ 6.985	\$ 6.985	\$ 6.985	\$ 6.985								\$ 6.985		\$ 6.985
Washington 10 Supply (Chicago)	\$ 7.286			\$ 7.609	\$ 7.525								\$ 7.570		\$ 7.570
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 6.989	\$ 6.985	\$ 6.985	\$ 6.993	\$ 6.993								\$ 6.988		\$ 6.988
New Lewiston Supplies															
Lewiston	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.041		\$ 7.041
New Lewiston Supplies Total	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.041		\$ 7.041
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.036	\$ 5.821	\$ 6.903
New TGP Zone 6 Supplies Total	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.036	\$ 5.821	\$ 6.903
Lewiston LNG Plant															
LNG	\$ 7.476	\$ 7.569	\$ 9.195	\$ 9.405	\$ 9.197	\$ 8.739	\$ 8.541	\$ 8.371	\$ 8.217	\$ 8.081	\$ 7.963	\$ 7.856	\$ 9.125	\$ 8.251	\$ 8.961
LNG Plant Total	\$ 7.476	\$ 7.569	\$ 9.195	\$ 9.405	\$ 9.197	\$ 8.739	\$ 8.541	\$ 8.371	\$ 8.217	\$ 8.081	\$ 7.963	\$ 7.856	\$ 9.125	\$ 8.251	\$ 8.961
Peaking Supplies															
Peaking Supply 1			\$ 14.821										\$ 14.821		\$ 14.821
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 14.821										\$ 14.821		\$ 14.821
Total Cost per Dth	\$ 5.880	\$ 6.598	\$ 6.911	\$ 6.765	\$ 6.406	\$ 5.699	\$ 5.684	\$ 5.710	\$ 5.748	\$ 5.776	\$ 5.782	\$ 5.834	\$ 6.572	\$ 5.747	\$ 6.342

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 791,709	\$ 965,731	\$ 984,790	\$ 916,688	\$ 966,991	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,625,910	\$ -	\$ 4,625,910
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,743	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,743	\$ 3,743
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 791,709	\$ 965,731	\$ 984,790	\$ 916,688	\$ 966,991	\$ 3,743	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,625,910	\$ 3,743	\$ 4,629,652
PNTGS Path Supplies															
PNGTS	\$ 143,217	\$ 35,961	\$ 72,656	\$ 30,442	\$ 217,010	\$ 2,267	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 499,286	\$ 2,267	\$ 501,554
PNGTS Path Total	\$ 143,217	\$ 35,961	\$ 72,656	\$ 30,442	\$ 217,010	\$ 2,267	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 499,286	\$ 2,267	\$ 501,554
Niagara Path Supplies															
Niagara	\$ 230,948	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 20,034	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,125,568	\$ 20,034	\$ 2,145,602
Niagara Path Total	\$ 230,948	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 20,034	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,125,568	\$ 20,034	\$ 2,145,602
Tennessee Production Supplies															
Tennessee Production	\$ 2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$ 2,255,167	\$ 1,954,871	\$ 1,491,979	\$ 1,451,295	\$ 1,467,386	\$ 1,591,571	\$ 2,378,603	\$ 12,334,273	\$ 12,590,873	\$ 24,925,146
Tennessee Production Path Total	\$ 2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$ 2,255,167	\$ 1,954,871	\$ 1,491,979	\$ 1,451,295	\$ 1,467,386	\$ 1,591,571	\$ 2,378,603	\$ 12,334,273	\$ 12,590,873	\$ 24,925,146
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 73,230	\$ 481,300	\$ 450,248	\$ 481,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,486,071	\$ -	\$ 1,486,071
Tenn Zone 4 Spot	\$ 470,773	\$ 428,236	\$ -	\$ -	\$ 8	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 899,018	\$ 3,364,582	\$ 4,263,600
Tennessee Storage Path Total	\$ 470,773	\$ 501,467	\$ 481,300	\$ 450,248	\$ 481,300	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 2,385,089	\$ 3,364,582	\$ 5,749,671
Washington 10 Storage Path															
Washington 10 Storage	\$ 258,840	\$ 6,272,888	\$ 7,002,130	\$ 6,101,085	\$ 2,090,467	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,725,411	\$ -	\$ 21,725,411
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ 166,964	\$ 20,129	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 187,093	\$ -	\$ 187,093
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 258,840	\$ 6,272,888	\$ 7,002,130	\$ 6,268,050	\$ 2,110,596	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,912,504	\$ -	\$ 21,912,504
New Lewiston Supplies															
Lewiston	\$ 520,564	\$ 60,351	\$ 314,501	\$ 71,730	\$ 796,354	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,763,501	\$ -	\$ 1,763,501
New Lewiston Supplies Total	\$ 520,564	\$ 60,351	\$ 314,501	\$ 71,730	\$ 796,354	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,763,501	\$ -	\$ 1,763,501
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 2,041,537	\$ 793,513	\$ 1,618,956	\$ 915,229	\$ 2,337,546	\$ 1,273,535	\$ 206,373	\$ -	\$ -	\$ -	\$ -	\$ 663,152	\$ 7,706,781	\$ 2,143,059	\$ 9,849,841
New TGP Zone 6 Supplies Total	\$ 2,041,537	\$ 793,513	\$ 1,618,956	\$ 915,229	\$ 2,337,546	\$ 1,273,535	\$ 206,373	\$ -	\$ -	\$ -	\$ -	\$ 663,152	\$ 7,706,781	\$ 2,143,059	\$ 9,849,841
Lewiston LNG Plant															
LNG	\$ 10,503	\$ 10,976	\$ 246,635	\$ 39,353	\$ 13,054	\$ 12,034	\$ 12,168	\$ 11,554	\$ 11,731	\$ 11,549	\$ 11,023	\$ 11,374	\$ 320,521	\$ 81,433	\$ 401,954
LNG Plant Total	\$ 10,503	\$ 10,976	\$ 246,635	\$ 39,353	\$ 13,054	\$ 12,034	\$ 12,168	\$ 11,554	\$ 11,731	\$ 11,549	\$ 11,023	\$ 11,374	\$ 320,521	\$ 81,433	\$ 401,954
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 112,937	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 112,937	\$ -	\$ 112,937
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 112,937	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 112,937	\$ -	\$ 112,937
Total Commodity Cost	\$ 6,811,107	\$ 11,634,208	\$ 13,887,227	\$ 11,533,692	\$ 9,920,139	\$ 4,032,405	\$ 2,655,555	\$ 1,972,698	\$ 1,950,822	\$ 1,969,225	\$ 2,077,711	\$ 3,547,575	\$ 53,786,371	\$ 18,205,990	\$ 71,992,362

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	601,136	865,318	975,499	837,593	794,057	221,847	159,341	121,479	119,940	120,349	125,182	195,047	4,073,602	1,063,184	5,136,786
New Hampshire Requirement	510,785	825,465	949,444	805,146	693,909	455,752	288,087	209,581	205,464	206,473	219,186	386,700	3,784,749	1,971,243	5,755,992
Northern Requirement	1,111,921	1,690,783	1,924,942	1,642,739	1,487,966	677,599	447,428	331,060	325,404	326,821	344,368	581,747	7,858,351	3,034,427	10,892,778
Chicago Path Supplies															
Chicago	127,435	149,368	149,368	139,732	149,368	0	0	0	0	0	0	0	715,271	0	715,271
Dawn	0	0	0	0	0	607	0	0	0	0	0	0	0	607	607
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	127,435	149,368	149,368	139,732	149,368	607	0	0	0	0	0	0	715,271	607	715,879
PNTGS Path Supplies															
PNGTS	22,529	4,523	7,673	3,288	30,692	367	0	0	0	0	0	0	68,705	367	69,072
PNGTS Path Total	22,529	4,523	7,673	3,288	30,692	367	0	0	0	0	0	0	68,705	367	69,072
Niagara Path Supplies															
Niagara	36,223	72,284	72,284	67,621	72,284	3,313	0	0	0	0	0	0	320,696	3,313	324,010
Niagara Path Total	36,223	72,284	72,284	67,621	72,284	3,313	0	0	0	0	0	0	320,696	3,313	324,010
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	381,380	329,910	250,399	242,054	243,472	263,707	391,239	1,992,506	2,102,160	4,094,666
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	381,380	329,910	250,399	242,054	243,472	263,707	391,239	1,992,506	2,102,160	4,094,666
Tennessee Storage Path															
Tennessee Storage	0	12,470	81,955	76,668	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	69,486	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	148,798	565,755	714,553
Tennessee Storage Path Total	79,311	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	401,845	565,755	967,599
Washington 10 Storage Path															
Washington 10 Storage	35,661	864,241	964,711	840,571	288,012	0	0	0	0	0	0	0	2,993,196	0	2,993,196
Washington 10 Supply (Chicago)	0	0	0	21,204	2,584	0	0	0	0	0	0	0	23,787	0	23,787
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	35,661	864,241	964,711	861,774	290,596	0	0	0	0	0	0	0	3,016,983	0	3,016,983
New Lewiston Supplies															
Lewiston	81,708	7,582	33,203	7,745	112,448	0	0	0	0	0	0	0	242,687	0	242,687
New Lewiston Supplies Total	81,708	7,582	33,203	7,745	112,448	0	0	0	0	0	0	0	242,687	0	242,687
New TGP Zone 6 Supplies															
TGP Zone 6	334,445	103,069	175,665	101,642	342,862	211,270	34,167	0	0	0	0	107,158	1,057,683	352,595	1,410,278
New TGP Zone 6 Supplies Total	334,445	103,069	175,665	101,642	342,862	211,270	34,167	0	0	0	0	107,158	1,057,683	352,595	1,410,278
Lewiston LNG Plant															
LNG	1,350	1,395	26,228	4,119	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	34,487	9,630	44,117
LNG Plant Total	1,350	1,395	26,228	4,119	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	34,487	9,630	44,117
Peaking Supplies															
Peaking Supply 1	0	0	7,489	0	0	0	0	0	0	0	0	0	7,489	0	7,489
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	7,489	0	0	0	0	0	0	0	0	0	7,489	0	7,489
Northern Requirement	1,111,921	1,690,783	1,924,942	1,642,739	1,487,966	677,599	447,428	331,060	325,404	326,821	344,368	581,747	7,858,351	3,034,427	10,892,778
Total Delivered (Dth)	1,111,921	1,690,783	1,924,943	1,642,739	1,487,966	677,599	447,428	331,060	325,404	326,822	344,368	581,747	7,858,352	3,034,428	10,892,780

Northern Utilities, Inc. Base Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 6.213	\$ 6.465	\$ 6.593	\$ 6.560	\$ 6.474	\$ 6.163							\$ 6.467	\$ 6.163	\$ 6.467
Dawn															\$ 6.163
Iroquois Receipts															
Wright															
Chicago Path Total	\$ 6.213	\$ 6.465	\$ 6.593	\$ 6.560	\$ 6.474	\$ 6.163							\$ 6.467	\$ 6.163	\$ 6.467
PNTGS Path Supplies															
PNGTS	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071	\$ 6.180							\$ 7.267	\$ 6.180	\$ 7.261
PNGTS Path Total	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071	\$ 6.180							\$ 7.267	\$ 6.180	\$ 7.261
Niagara Path Supplies															
Niagara	\$ 6.376	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.047							\$ 6.628	\$ 6.047	\$ 6.622
Niagara Path Total	\$ 6.376	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.047							\$ 6.628	\$ 6.047	\$ 6.622
Tennessee Production Supplies															
Tennessee Production	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.989	\$ 6.087
Tennessee Production Path Total	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.989	\$ 6.087
Tennessee Storage Path															
Tennessee Storage		\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.873								\$ 5.873		\$ 5.873
Tenn Zone 4 Spot	\$ 5.936	\$ 6.163				\$ 5.871	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 6.042	\$ 5.947	\$ 5.967
Tennessee Storage Path Total	\$ 5.936	\$ 6.119	\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.871	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 5.935	\$ 5.947	\$ 5.942
Washington 10 Storage Path															
Washington 10 Storage	\$ 7.258	\$ 7.258	\$ 7.258	\$ 7.258	\$ 7.258								\$ 7.258		\$ 7.258
Washington 10 Supply (Chicago)				\$ 7.874	\$ 7.790								\$ 7.865		\$ 7.865
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 7.258	\$ 7.258	\$ 7.258	\$ 7.273	\$ 7.263								\$ 7.263		\$ 7.263
New Lewiston Supplies															
Lewiston	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082								\$ 7.267		\$ 7.267
New Lewiston Supplies Total	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082								\$ 7.267		\$ 7.267
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.286	\$ 6.078	\$ 6.984
New TGP Zone 6 Supplies Total	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.286	\$ 6.078	\$ 6.984
Lewiston LNG Plant															
LNG	\$ 7.780	\$ 7.868	\$ 9.404	\$ 9.553	\$ 9.358	\$ 8.914	\$ 8.723	\$ 8.559	\$ 8.410	\$ 8.279	\$ 8.165	\$ 8.153	\$ 9.294	\$ 8.456	\$ 9.111
LNG Plant Total	\$ 7.780	\$ 7.868	\$ 9.404	\$ 9.553	\$ 9.358	\$ 8.914	\$ 8.723	\$ 8.559	\$ 8.410	\$ 8.279	\$ 8.165	\$ 8.153	\$ 9.294	\$ 8.456	\$ 9.111
Peaking Supplies															
Peaking Supply 1			\$ 15.081										\$ 15.081		\$ 15.081
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 15.081										\$ 15.081		\$ 15.081
Total Cost per Dth	\$ 6.126	\$ 6.881	\$ 7.214	\$ 7.021	\$ 6.667	\$ 5.951	\$ 5.935	\$ 5.959	\$ 5.995	\$ 6.025	\$ 6.033	\$ 6.098	\$ 6.844	\$ 6.000	\$ 6.609

Appendix VI-6(3). High Case Design Commodity Costs

Northern Utilities, Inc. High Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 763,259	\$ 861,361	\$ 881,539	\$ 746,041	\$ 768,712	\$ 655,485	\$ 131,452	\$ -	\$ -	\$ -	\$ -	\$ 393,419	\$ 4,020,913	\$ 1,180,355	\$ 5,201,268
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 763,259	\$ 861,361	\$ 881,539	\$ 746,041	\$ 768,712	\$ 655,485	\$ 131,452	\$ -	\$ -	\$ -	\$ -	\$ 393,419	\$ 4,020,913	\$ 1,180,355	\$ 5,201,268
PNTGS Path Supplies															
PNGTS	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 53,068	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,721	\$ 940,415	\$ 60,789	\$ 1,001,203
PNGTS Path Total	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 53,068	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,721	\$ 940,415	\$ 60,789	\$ 1,001,203
Niagara Path Supplies															
Niagara	\$ -	\$ 151,577	\$ 356,689	\$ 223,687	\$ 211,945	\$ 164,820	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,751	\$ 943,897	\$ 204,571	\$ 1,148,468
Niagara Path Total	\$ -	\$ 151,577	\$ 356,689	\$ 223,687	\$ 211,945	\$ 164,820	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,751	\$ 943,897	\$ 204,571	\$ 1,148,468
Tennessee Production Supplies															
Tennessee Production	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,734,826	\$1,463,652	\$1,089,455	\$1,059,802	\$1,072,008	\$1,169,651	\$1,835,430	\$ 9,030,568	\$ 9,424,823	\$ 18,455,392
Tennessee Production Path Total	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,734,826	\$1,463,652	\$1,089,455	\$1,059,802	\$1,072,008	\$1,169,651	\$1,835,430	\$ 9,030,568	\$ 9,424,823	\$ 18,455,392
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ -	\$ 394,772	\$ 369,302	\$ 394,772	\$ 72,793	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,158,846	\$ 72,793	\$ 1,231,639
Tenn Zone 4 Spot	\$ 340,858	\$ 371,588	\$ -	\$ -	\$ -	\$ 293,037	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 712,447	\$ 2,567,034	\$ 3,279,481
Tennessee Storage Path Total	\$ 340,858	\$ 371,588	\$ 394,772	\$ 369,302	\$ 394,772	\$ 365,830	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 1,871,293	\$ 2,639,827	\$ 4,511,120
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 3,819,357	\$ 4,430,307	\$3,982,516	\$2,549,388	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,781,568	\$ -	\$ 14,781,568
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 AMA Spot (PNGTS)	\$1,475,266	\$ -	\$ -	\$ -	\$ 613,758	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,089,024	\$ -	\$ 2,089,024
W10 Path Total	\$1,475,266	\$ 3,819,357	\$ 4,430,307	\$3,982,516	\$3,163,146	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,870,592	\$ -	\$ 16,870,592
New Lewiston Supplies															
Lewiston	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 44,701	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,691	\$ 5,202,549	\$ 47,393	\$ 5,249,941
New Lewiston Supplies Total	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 44,701	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,691	\$ 5,202,549	\$ 47,393	\$ 5,249,941
New TGP Zone 6 Supplies															
TGP Zone 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New TGP Zone 6 Supplies Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lewiston LNG Plant															
LNG	\$ 8,303	\$ 246,883	\$ 186,610	\$ 449,285	\$ 11,258	\$ 10,296	\$ 10,374	\$ 9,821	\$ 9,944	\$ 9,764	\$ 9,297	\$ 9,591	\$ 902,340	\$ 69,088	\$ 971,428
LNG Plant Total	\$ 8,303	\$ 246,883	\$ 186,610	\$ 449,285	\$ 11,258	\$ 10,296	\$ 10,374	\$ 9,821	\$ 9,944	\$ 9,764	\$ 9,297	\$ 9,591	\$ 902,340	\$ 69,088	\$ 971,428
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 297,736	\$ 370,236	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 667,972	\$ -	\$ 667,972
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ 1,908,042	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,908,042	\$ -	\$ 1,908,042
Peaking Supply Total	\$ -	\$ 297,736	\$ 2,278,279	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,576,014	\$ -	\$ 2,576,014
Total Commodity Cost	\$5,434,324	\$ 8,835,521	\$11,681,404	\$8,721,775	\$7,685,556	\$3,029,025	\$1,981,887	\$1,466,600	\$1,452,972	\$1,466,993	\$1,552,386	\$2,676,982	\$ 42,358,580	\$ 13,626,846	\$ 55,985,426

Northern Utilities, Inc. High Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	622,779	905,420	1,045,643	888,897	825,379	222,010	157,459	118,698	116,902	117,323	122,509	194,213	4,288,119	1,049,115	5,337,234
New Hampshire Requirement	526,834	861,038	1,019,313	848,888	716,001	433,621	272,084	196,693	192,564	193,534	205,938	366,994	3,972,074	1,861,428	5,833,503
Northern Requirement	1,149,614	1,766,458	2,064,957	1,737,785	1,541,380	655,632	429,544	315,391	309,466	310,857	328,447	561,207	8,260,193	2,910,544	11,170,737
Chicago Path Supplies															
Chicago	169,323	180,896	180,896	153,081	158,729	140,900	28,162	0	0	0	0	81,450	842,926	250,512	1,093,437
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	169,323	180,896	180,896	153,081	158,729	140,900	28,162	0	0	0	0	81,450	842,926	250,512	1,093,437
PNTGS Path Supplies															
PNGTS	29,895	30,892	30,892	28,899	30,892	10,857	0	0	0	0	0	1,526	151,468	12,383	163,851
PNGTS Path Total	29,895	30,892	30,892	28,899	30,892	10,857	0	0	0	0	0	1,526	151,468	12,383	163,851
Niagara Path Supplies															
Niagara	0	30,427	70,087	43,939	41,923	34,710	0	0	0	0	0	8,078	186,375	42,788	229,163
Niagara Path Total	0	30,427	70,087	43,939	41,923	34,710	0	0	0	0	0	8,078	186,375	42,788	229,163
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	379,393	318,031	234,730	226,116	227,507	247,786	386,273	1,992,506	2,019,835	4,012,341
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	379,393	318,031	234,730	226,116	227,507	247,786	386,273	1,992,506	2,019,835	4,012,341
Tennessee Storage Path															
Tennessee Storage	0	0	81,955	76,668	81,955	15,112	0	0	0	0	0	0	240,578	15,112	255,690
Tenn Zone 4 Spot	79,311	81,955	0	0	0	64,199	81,955	79,311	81,955	81,955	79,311	81,955	161,267	550,643	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	401,845	565,755	967,599
Washington 10 Storage Path															
Washington 10 Storage	0	806,926	936,003	841,397	538,616	0	0	0	0	0	0	0	3,122,943	0	3,122,943
Washington 10 Supply (Chicago)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 AMA Spot (PNGTS)	311,476	0	0	0	111,004	0	0	0	0	0	0	0	422,480	0	422,480
W10 Path Total	311,476	806,926	936,003	841,397	649,620	0	0	0	0	0	0	0	3,545,424	0	3,545,424
New Lewiston Supplies															
Lewiston	165,000	170,500	170,500	159,500	170,500	9,110	0	0	0	0	0	530	836,000	9,640	845,640
New Lewiston Supplies Total	165,000	170,500	170,500	159,500	170,500	9,110	0	0	0	0	0	530	836,000	9,640	845,640
New Lewiston Supplies															
TGP Zone 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Lewiston Supplies Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewiston LNG Plant															
LNG	1,350	36,190	23,533	54,152	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	116,620	9,630	126,250
LNG Plant Total	1,350	36,190	23,533	54,152	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	116,620	9,630	126,250
Peaking Supplies															
Peaking Supply 1	0	22,306	27,519	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	137,204	0	0	0	0	0	0	0	0	0	137,204	0	137,204
Peaking Supply Total	0	22,306	164,723	0	0	0	0	0	0	0	0	0	187,029	0	187,029
Northern Requirement	1,149,614	1,766,458	2,064,957	1,737,785	1,541,380	655,632	429,544	315,391	309,466	310,857	328,447	561,207	8,260,193	2,910,544	11,170,737
Total Delivered (Dth)	1,149,613	1,766,458	2,064,956	1,737,785	1,541,380	655,631	429,543	315,391	309,466	310,857	328,447	561,207	8,260,192	2,910,542	11,170,734

Northern Utilities, Inc. High Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 4.508	\$ 4.762	\$ 4.873	\$ 4.873	\$ 4.843	\$ 4.652	\$ 4.668					\$ 4.830	\$ 4.770	\$ 4.712	\$ 4.757
Chicago Path Total	\$ 4.508	\$ 4.762	\$ 4.873	\$ 4.873	\$ 4.843	\$ 4.652	\$ 4.668					\$ 4.830	\$ 4.770	\$ 4.712	\$ 4.757
PNTGS Path Supplies															
PNGTS	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.909	\$ 6.110
PNGTS Path Total	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.909	\$ 6.110
Niagara Path Supplies															
Niagara		\$ 4.982	\$ 5.089	\$ 5.091	\$ 5.056	\$ 4.749						\$ 4.921	\$ 5.065	\$ 4.781	\$ 5.012
Niagara Path Total		\$ 4.982	\$ 5.089	\$ 5.091	\$ 5.056	\$ 4.749						\$ 4.921	\$ 5.065	\$ 4.781	\$ 5.012
Tennessee Production Supplies															
Tennessee Production	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.600
Tennessee Production Path Total	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.600
Tennessee Storage Path															
Tennessee Storage Tenn Zone 4 Spot	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.564	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.739	\$ 4.817	\$ 4.817	\$ 4.817
Tennessee Storage Path Total	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.613	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.708	\$ 4.739	\$ 4.657	\$ 4.666	\$ 4.662
Washington 10 Storage Path															
Washington 10 Storage Washington 10 Supply (Chicago) W10 AMA Spot (PNGTS)	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 5.529								\$ 4.733		\$ 4.733
W10 Path Total	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 4.869								\$ 4.945		\$ 4.945
New Lewiston Supplies															
Lewiston	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907						\$ 5.079	\$ 6.223	\$ 4.916	\$ 6.208
New Lewiston Supplies Total	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907						\$ 5.079	\$ 6.223	\$ 4.916	\$ 6.208
New Lewiston Supplies															
TGP Zone 6 New Lewiston Supplies Total															
Lewiston LNG Plant															
LNG	\$ 6.150	\$ 6.822	\$ 7.930	\$ 8.297	\$ 8.070	\$ 7.627	\$ 7.437	\$ 7.275	\$ 7.128	\$ 6.999	\$ 6.887	\$ 6.875	\$ 7.737	\$ 7.174	\$ 7.694
LNG Plant Total	\$ 6.150	\$ 6.822	\$ 7.930	\$ 8.297	\$ 8.070	\$ 7.627	\$ 7.437	\$ 7.275	\$ 7.128	\$ 6.999	\$ 6.887	\$ 6.875	\$ 7.737	\$ 7.174	\$ 7.694
Peaking Supplies															
Peaking Supply 1 Peaking Supply 2 Peaking Supply 3		\$ 13.348	\$ 13.454										\$ 13.406		\$ 13.406
Peaking Supply Total		\$ 13.348	\$ 13.831										\$ 13.907		\$ 13.907
Total Cost per Dth	\$ 4.727	\$ 5.002	\$ 5.657	\$ 5.019	\$ 4.986	\$ 4.620	\$ 4.614	\$ 4.650	\$ 4.695	\$ 4.719	\$ 4.726	\$ 4.770	\$ 5.128	\$ 4.682	\$ 5.012

Northern Utilities, Inc. High Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 269,799	\$ 699,839	\$ 902,491	\$ 801,682	\$ 486,725	\$ 740,086	\$ 166,756	\$ -	\$ -	\$ -	\$ -	\$ 457,191	\$ 3,160,535	\$ 1,364,032	\$ 4,524,567
Dawn	\$ -	\$ 169	\$ 296	\$ 221	\$ 109	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 795	\$ -	\$ 795
Iroquois Receipts	\$ -	\$ 51,479	\$ 89,939	\$ 67,359	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 208,777	\$ -	\$ 208,777
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 269,799	\$ 751,486	\$ 992,726	\$ 869,262	\$ 486,835	\$ 740,086	\$ 166,756	\$ -	\$ -	\$ -	\$ -	\$ 457,191	\$ 3,370,108	\$ 1,364,032	\$ 4,734,140
PNTGS Path Supplies															
PNGTS	\$ -	\$ 71,606	\$ 196,084	\$ 136,476	\$ 17,215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 421,380	\$ -	\$ 421,380
PNGTS Path Total	\$ -	\$ 71,606	\$ 196,084	\$ 136,476	\$ 17,215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 421,380	\$ -	\$ 421,380
Niagara Path Supplies															
Niagara	\$ -	\$ 206,283	\$ 341,723	\$ 265,467	\$ 150,734	\$ 10,515	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 964,206	\$ 10,515	\$ 974,721
Niagara Path Total	\$ -	\$ 206,283	\$ 341,723	\$ 265,467	\$ 150,734	\$ 10,515	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 964,206	\$ 10,515	\$ 974,721
Tennessee Production Supplies															
Tennessee Production	\$1,939,456	\$ 2,109,838	\$ 2,129,005	\$1,946,534	\$2,126,755	\$1,929,850	\$1,635,194	\$1,229,796	\$1,193,931	\$1,206,331	\$1,314,501	\$2,030,755	\$ 10,251,589	\$ 10,540,358	\$ 20,791,947
Tennessee Production Path Total	\$1,939,456	\$ 2,109,838	\$ 2,129,005	\$1,946,534	\$2,126,755	\$1,929,850	\$1,635,194	\$1,229,796	\$1,193,931	\$1,206,331	\$1,314,501	\$2,030,755	\$ 10,251,589	\$ 10,540,358	\$ 20,791,947
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,986	\$ 392,270	\$ 354,308	\$ 392,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,223,834	\$ -	\$ 1,223,834
Tenn Zone 4 Spot	\$ 391,457	\$ 333,148	\$ -	\$ -	\$ -	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 724,605	\$ 2,903,465	\$ 3,628,070
Tennessee Storage Path Total	\$ 391,457	\$ 418,133	\$ 392,270	\$ 354,308	\$ 392,270	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 1,948,439	\$ 2,903,465	\$ 4,851,904
Washington 10 Storage Path															
Washington 10 Storage	\$ 135,520	\$ 2,234,435	\$ 4,810,219	\$4,344,714	\$3,048,808	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,573,697	\$ -	\$ 14,573,697
Washington 10 Supply (Chicago)	\$2,366,699	\$ 2,750,554	\$ -	\$ -	\$1,505,876	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,623,129	\$ -	\$ 6,623,129
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$2,502,219	\$ 4,984,989	\$ 4,810,219	\$4,344,714	\$4,554,684	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,196,826	\$ -	\$ 21,196,826
New Lewiston Supplies															
Lewiston	\$ -	\$ 192,561	\$ 843,178	\$ 538,306	\$ 1,818	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,575,864	\$ -	\$ 1,575,864
New Lewiston Supplies Total	\$ -	\$ 192,561	\$ 843,178	\$ 538,306	\$ 1,818	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,575,864	\$ -	\$ 1,575,864
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 773,518	\$ 511,640	\$ 1,194,975	\$ 868,828	\$ 236,520	\$ 316,821	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 68,976	\$ 3,585,482	\$ 385,797	\$ 3,971,279
New TGP Zone 6 Supplies Total	\$ 773,518	\$ 511,640	\$ 1,194,975	\$ 868,828	\$ 236,520	\$ 316,821	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 68,976	\$ 3,585,482	\$ 385,797	\$ 3,971,279
Lewiston LNG Plant															
LNG	\$ 9,082	\$ 239,534	\$ 817,093	\$ 231,596	\$ 12,241	\$ 11,192	\$ 11,274	\$ 10,668	\$ 10,796	\$ 10,594	\$ 10,083	\$ 10,261	\$ 1,309,547	\$ 74,869	\$ 1,384,415
LNG Plant Total	\$ 9,082	\$ 239,534	\$ 817,093	\$ 231,596	\$ 12,241	\$ 11,192	\$ 11,274	\$ 10,668	\$ 10,796	\$ 10,594	\$ 10,083	\$ 10,261	\$ 1,309,547	\$ 74,869	\$ 1,384,415
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 86,654	\$ 232,421	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 319,075	\$ -	\$ 319,075
Peaking Supply 2	\$ -	\$ -	\$ 39,526	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,526	\$ -	\$ 39,526
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 86,654	\$ 271,947	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 358,602	\$ -	\$ 358,602
Total Commodity Cost	\$5,885,531	\$ 9,572,725	\$11,989,221	\$9,555,492	\$7,979,073	\$3,409,655	\$2,229,034	\$1,645,435	\$1,626,273	\$1,640,217	\$1,734,623	\$2,993,799	\$ 44,982,042	\$ 15,279,037	\$ 60,261,078

Northern Utilities, Inc. High Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	636,248	925,137	1,068,466	908,280	843,324	224,885	159,434	120,143	118,315	118,742	124,007	196,697	4,381,455	1,062,223	5,443,678
New Hampshire Requirement	539,617	882,020	1,044,180	869,587	733,422	441,683	277,118	200,317	196,108	197,097	209,734	373,806	4,068,825	1,895,862	5,964,688
Northern Requirement	1,175,865	1,807,157	2,112,646	1,777,867	1,576,746	666,568	436,552	320,459	314,423	315,839	333,741	570,502	8,450,280	2,958,085	11,408,366
Chicago Path Supplies															
Chicago	52,251	128,623	161,706	144,355	88,813	143,327	32,284	0	0	0	0	86,050	575,748	261,661	837,409
Dawn	0	30	51	38	19	0	0	0	0	0	0	0	139	0	139
Iroquois Receipts	0	8,381	14,326	10,775	0	0	0	0	0	0	0	0	33,482	0	33,482
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	52,251	137,034	176,084	155,168	88,832	143,327	32,284	0	0	0	0	86,050	609,369	261,661	871,030
PNTGS Path Supplies															
PNTGS	0	10,247	23,024	16,421	2,804	0	0	0	0	0	0	0	52,496	0	52,496
PNTGS Path Total	0	10,247	23,024	16,421	2,804	0	0	0	0	0	0	0	52,496	0	52,496
Niagara Path Supplies															
Niagara	0	36,603	59,229	46,216	26,557	2,007	0	0	0	0	0	0	168,605	2,007	170,612
Niagara Path Total	0	36,603	59,229	46,216	26,557	2,007	0	0	0	0	0	0	168,605	2,007	170,612
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	399,488	367,041	406,366	379,927	320,918	239,799	231,073	232,489	253,080	388,257	1,972,519	2,045,542	4,018,062
Tennessee Production Path Total	393,258	406,366	399,488	367,041	406,366	379,927	320,918	239,799	231,073	232,489	253,080	388,257	1,972,519	2,045,542	4,018,062
Tennessee Storage Path															
Tennessee Storage	0	17,756	81,955	74,024	81,955	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	79,311	64,199	0	0	0	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	28,721	473,539	1,019,419	920,766	646,127	0	0	0	0	0	0	0	3,088,573	0	3,088,573
Washington 10 Supply (Chicago)	469,743	519,505	0	0	282,233	0	0	0	0	0	0	0	1,271,480	0	1,271,480
W10 AMA Spot (PNTGS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	498,463	993,044	1,019,419	920,766	928,361	0	0	0	0	0	0	0	4,360,053	0	4,360,053
New Lewiston Supplies															
Lewiston	0	27,509	98,930	64,716	295	0	0	0	0	0	0	0	191,450	0	191,450
New Lewiston Supplies Total	0	27,509	98,930	64,716	295	0	0	0	0	0	0	0	191,450	0	191,450
New TGP Zone 6 Supplies															
TGP Zone 6	151,231	75,962	144,603	107,821	40,180	60,645	0	0	0	0	0	12,846	519,798	73,491	593,288
New TGP Zone 6 Supplies Total	151,231	75,962	144,603	107,821	40,180	60,645	0	0	0	0	0	12,846	519,798	73,491	593,288
Lewiston LNG Plant															
LNG	1,350	32,247	90,757	25,695	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	151,443	9,630	161,073
LNG Plant Total	1,350	32,247	90,757	25,695	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	151,443	9,630	161,073
Peaking Supplies															
Peaking Supply 1	0	6,191	16,451	0	0	0	0	0	0	0	0	0	22,642	0	22,642
Peaking Supply 2	0	0	2,706	0	0	0	0	0	0	0	0	0	2,706	0	2,706
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	6,191	19,156	0	0	0	0	0	0	0	0	0	25,348	0	25,348
Northern Requirement	1,175,865	1,807,157	2,112,646	1,777,867	1,576,746	666,568	436,552	320,459	314,423	315,839	333,741	570,502	8,450,280	2,958,085	11,408,366
Total Delivered (Dth)	1,175,865	1,807,157	2,112,646	1,777,867	1,576,746	666,568	436,552	320,460	314,423	315,839	333,741	570,503	8,450,281	2,958,086	11,408,367

Northern Utilities, Inc. High Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.163	\$ 5.441	\$ 5.581	\$ 5.554	\$ 5.480	\$ 5.164	\$ 5.165					\$ 5.313	\$ 5.489	\$ 5.213	\$ 5.403
Dawn		\$ 5.637	\$ 5.776	\$ 5.748	\$ 5.676								\$ 5.724		\$ 5.724
Iroquois Receipts		\$ 6.142	\$ 6.278	\$ 6.251									\$ 6.235		\$ 6.235
Wright															
Chicago Path Total	\$ 5.163	\$ 5.484	\$ 5.638	\$ 5.602	\$ 5.480	\$ 5.164	\$ 5.165					\$ 5.313	\$ 5.530	\$ 5.213	\$ 5.435
PNTGS Path Supplies															
PNGTS		\$ 6.988	\$ 8.517	\$ 8.311	\$ 6.139								\$ 8.027		\$ 8.027
PNGTS Path Total		\$ 6.988	\$ 8.517	\$ 8.311	\$ 6.139								\$ 8.027		\$ 8.027
Niagara Path Supplies															
Niagara		\$ 5.636	\$ 5.770	\$ 5.744	\$ 5.676	\$ 5.239							\$ 5.719	\$ 5.239	\$ 5.713
Niagara Path Total		\$ 5.636	\$ 5.770	\$ 5.744	\$ 5.676	\$ 5.239							\$ 5.719	\$ 5.239	\$ 5.713
Tennessee Production Supplies															
Tennessee Production	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.197	\$ 5.153	\$ 5.175
Tennessee Production Path Total	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.197	\$ 5.153	\$ 5.175
Tennessee Storage Path															
Tennessee Storage		\$ 4.786	\$ 4.786	\$ 4.786	\$ 4.786								\$ 4.786		\$ 4.786
Tenn Zone 4 Spot	\$ 4.936	\$ 5.189				\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 5.049	\$ 5.132	\$ 5.115
Tennessee Storage Path Total	\$ 4.936	\$ 5.102	\$ 4.786	\$ 4.786	\$ 4.786	\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 4.881	\$ 5.132	\$ 5.028
Washington 10 Storage Path															
Washington 10 Storage	\$ 4.719	\$ 4.719	\$ 4.719	\$ 4.719	\$ 4.719								\$ 4.719		\$ 4.719
Washington 10 Supply (Chicago)	\$ 5.038	\$ 5.295			\$ 5.336								\$ 5.209		\$ 5.209
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 5.020	\$ 5.020	\$ 4.719	\$ 4.719	\$ 4.906								\$ 4.862		\$ 4.862
New Lewiston Supplies															
Lewiston		\$ 7.000	\$ 8.523	\$ 8.318	\$ 6.154								\$ 8.231		\$ 8.231
New Lewiston Supplies Total		\$ 7.000	\$ 8.523	\$ 8.318	\$ 6.154								\$ 8.231		\$ 8.231
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.898	\$ 5.250	\$ 6.694
New TGP Zone 6 Supplies Total	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.898	\$ 5.250	\$ 6.694
Lewiston LNG Plant															
LNG	\$ 6.727	\$ 7.428	\$ 9.003	\$ 9.013	\$ 8.775	\$ 8.291	\$ 8.082	\$ 7.902	\$ 7.739	\$ 7.595	\$ 7.469	\$ 7.355	\$ 8.647	\$ 7.775	\$ 8.595
LNG Plant Total	\$ 6.727	\$ 7.428	\$ 9.003	\$ 9.013	\$ 8.775	\$ 8.291	\$ 8.082	\$ 7.902	\$ 7.739	\$ 7.595	\$ 7.469	\$ 7.355	\$ 8.647	\$ 7.775	\$ 8.595
Peaking Supplies															
Peaking Supply 1		\$ 13.996	\$ 14.128										\$ 14.092		\$ 14.092
Peaking Supply 2			\$ 14.608										\$ 14.608		\$ 14.608
Peaking Supply 3															
Peaking Supply Total		\$ 13.996	\$ 14.196										\$ 14.147		\$ 14.147
Total Cost per Dth	\$ 5.005	\$ 5.297	\$ 5.675	\$ 5.375	\$ 5.060	\$ 5.115	\$ 5.106	\$ 5.135	\$ 5.172	\$ 5.193	\$ 5.198	\$ 5.248	\$ 5.323	\$ 5.165	\$ 5.282

Northern Utilities, Inc. High Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 930,744	\$ 1,062,959	\$ 1,087,135	\$ 976,770	\$ 1,066,195	\$ 800,938	\$ 219,041	\$ 2,566	\$ -	\$ -	\$ -	\$ 517,066	\$ 5,123,803	\$ 1,539,611	\$ 6,663,414
Dawn	\$ 224	\$ 402	\$ 411	\$ 369	\$ 403	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,809	\$ -	\$ 1,809
Iroquois Receipts	\$ 60,557	\$ 121,782	\$ 124,178	\$ 111,650	\$ 114,225	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 532,393	\$ -	\$ 532,393
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 991,525	\$ 1,185,143	\$ 1,211,724	\$ 1,088,789	\$ 1,180,823	\$ 800,938	\$ 219,041	\$ 2,566	\$ -	\$ -	\$ -	\$ 517,066	\$ 5,658,005	\$ 1,539,611	\$ 7,197,615
PNTGS Path Supplies															
PNGTS	\$ 171,541	\$ 66,024	\$ 203,232	\$ 134,663	\$ 221,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 797,376	\$ -	\$ 797,376
PNGTS Path Total	\$ 171,541	\$ 66,024	\$ 203,232	\$ 134,663	\$ 221,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 797,376	\$ -	\$ 797,376
Niagara Path Supplies															
Niagara	\$ 306,049	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ 1,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,030,864	\$ 1,292	\$ 2,032,156
Niagara Path Total	\$ 306,049	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ 1,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,030,864	\$ 1,292	\$ 2,032,156
Tennessee Production Supplies															
Tennessee Production	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,056,559	\$ 1,759,849	\$ 1,349,616	\$ 1,312,680	\$ 1,327,181	\$ 1,445,302	\$ 2,171,293	\$ 11,129,130	\$ 11,422,480	\$ 22,551,610
Tennessee Production Path Total	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,056,559	\$ 1,759,849	\$ 1,349,616	\$ 1,312,680	\$ 1,327,181	\$ 1,445,302	\$ 2,171,293	\$ 11,129,130	\$ 11,422,480	\$ 22,551,610
Tennessee Storage Path															
Tennessee Storage	\$ 13,954	\$ 79,772	\$ 432,580	\$ 390,717	\$ 432,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,349,596	\$ -	\$ 1,349,596
Tenn Zone 4 Spot	\$ 411,612	\$ 374,859	\$ -	\$ -	\$ 7	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 786,479	\$ 3,078,474	\$ 3,864,953
Tennessee Storage Path Total	\$ 425,567	\$ 454,631	\$ 432,580	\$ 390,717	\$ 432,580	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 2,136,075	\$ 3,078,474	\$ 5,214,549
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 6,124,745	\$ 6,571,398	\$ 5,716,077	\$ 2,198,140	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,610,360	\$ -	\$ 20,610,360
Washington 10 Supply (Chicago)	\$ 586,658	\$ -	\$ -	\$ 245,246	\$ 357,081	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,188,986	\$ -	\$ 1,188,986
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 586,658	\$ 6,124,745	\$ 6,571,398	\$ 5,961,323	\$ 2,555,221	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,799,345	\$ -	\$ 21,799,345
New Lewiston Supplies															
Lewiston	\$ 704,893	\$ 182,766	\$ 835,461	\$ 528,769	\$ 1,089,767	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,341,657	\$ -	\$ 3,341,657
New Lewiston Supplies Total	\$ 704,893	\$ 182,766	\$ 835,461	\$ 528,769	\$ 1,089,767	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,341,657	\$ -	\$ 3,341,657
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,505,868	\$ 774,642	\$ 1,776,752	\$ 1,291,885	\$ 1,762,848	\$ 427,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 111,378	\$ 7,111,995	\$ 538,624	\$ 7,650,619
New TGP Zone 6 Supplies Total	\$ 1,505,868	\$ 774,642	\$ 1,776,752	\$ 1,291,885	\$ 1,762,848	\$ 427,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 111,378	\$ 7,111,995	\$ 538,624	\$ 7,650,619
Lewiston LNG Plant															
LNG	\$ 9,819	\$ 249,732	\$ 815,963	\$ 201,513	\$ 12,801	\$ 11,711	\$ 11,798	\$ 11,166	\$ 11,301	\$ 11,091	\$ 10,558	\$ 10,745	\$ 1,289,828	\$ 78,369	\$ 1,368,197
LNG Plant Total	\$ 9,819	\$ 249,732	\$ 815,963	\$ 201,513	\$ 12,801	\$ 11,711	\$ 11,798	\$ 11,166	\$ 11,301	\$ 11,091	\$ 10,558	\$ 10,745	\$ 1,289,828	\$ 78,369	\$ 1,368,197
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 75,392	\$ 223,484	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 298,876	\$ -	\$ 298,876
Peaking Supply 2	\$ -	\$ -	\$ 40,693	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,693	\$ -	\$ 40,693
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 75,392	\$ 264,176	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 339,569	\$ -	\$ 339,569
Total Commodity Cost	\$ 6,816,142	\$ 11,835,151	\$ 14,896,336	\$ 12,099,753	\$ 9,986,462	\$ 3,723,713	\$ 2,431,852	\$ 1,792,613	\$ 1,770,547	\$ 1,787,000	\$ 1,890,675	\$ 3,262,450	\$ 55,633,844	\$ 16,658,850	\$ 72,292,694

Northern Utilities, Inc. High Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	653,026	949,649	1,096,819	932,367	865,642	229,873	162,914	122,726	120,851	121,288	126,679	201,031	4,497,503	1,085,361	5,582,865
New Hampshire Requirement	555,448	907,980	1,074,940	895,193	754,984	455,040	285,492	206,366	202,029	203,048	216,069	385,107	4,188,546	1,953,150	6,141,696
Northern Requirement	1,208,474	1,857,629	2,171,759	1,827,560	1,620,627	684,913	448,406	329,092	322,880	324,335	342,748	586,138	8,686,049	3,038,512	11,724,561
Chicago Path Supplies															
Chicago	165,684	180,839	180,839	163,338	180,842	145,967	39,921	466	0	0	0	91,792	871,543	278,147	1,149,690
Dawn	39	66	66	60	66	0	0	0	0	0	0	0	297	0	297
Iroquois Receipts	9,595	18,550	18,550	16,755	17,354	0	0	0	0	0	0	0	80,804	0	80,804
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	175,317	199,455	199,455	180,153	198,262	145,967	39,921	466	0	0	0	91,792	952,644	278,147	1,230,791
PNTGS Path Supplies															
PNGTS	29,596	8,919	22,768	15,451	33,981	0	0	0	0	0	0	0	110,715	0	110,715
PNGTS Path Total	29,596	8,919	22,768	15,451	33,981	0	0	0	0	0	0	0	110,715	0	110,715
Niagara Path Supplies															
Niagara	52,647	72,284	72,284	65,289	72,284	233	0	0	0	0	0	0	334,789	233	335,022
Niagara Path Total	52,647	72,284	72,284	65,289	72,284	233	0	0	0	0	0	0	334,789	233	335,022
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	380,837	325,134	247,964	239,530	240,986	262,087	391,372	1,979,397	2,087,911	4,067,308
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	380,837	325,134	247,964	239,530	240,986	262,087	391,372	1,979,397	2,087,911	4,067,308
Tennessee Storage Path															
Tennessee Storage	2,644	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	76,668	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	0	918,710	985,707	857,410	329,720	0	0	0	0	0	0	0	3,091,547	0	3,091,547
Washington 10 Supply (Chicago)	84,056	0	0	33,500	49,329	0	0	0	0	0	0	0	166,885	0	166,885
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	84,056	918,710	985,707	890,910	379,049	0	0	0	0	0	0	0	3,258,432	0	3,258,432
New Lewiston Supplies															
Lewiston	121,282	24,655	93,546	60,632	166,529	0	0	0	0	0	0	0	466,644	0	466,644
New Lewiston Supplies Total	121,282	24,655	93,546	60,632	166,529	0	0	0	0	0	0	0	466,644	0	466,644
New TGP Zone 6 Supplies															
TGP Zone 6	271,656	108,343	204,854	152,660	280,804	77,214	0	0	0	0	0	19,623	1,018,316	96,838	1,115,154
New TGP Zone 6 Supplies Total	271,656	108,343	204,854	152,660	280,804	77,214	0	0	0	0	0	19,623	1,018,316	96,838	1,115,154
Lewiston LNG Plant															
LNG	1,350	31,710	86,739	21,401	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	142,595	9,630	152,225
LNG Plant Total	1,350	31,710	86,739	21,401	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	142,595	9,630	152,225
Peaking Supplies															
Peaking Supply 1	0	5,232	15,373	0	0	0	0	0	0	0	0	0	20,604	0	20,604
Peaking Supply 2	0	0	2,710	0	0	0	0	0	0	0	0	0	2,710	0	2,710
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	5,232	18,082	0	0	0	0	0	0	0	0	0	23,314	0	23,314
Northern Requirement	1,208,474	1,857,629	2,171,759	1,827,560	1,620,627	684,913	448,406	329,092	322,880	324,335	342,748	586,138	8,686,049	3,038,512	11,724,561
Total Delivered (Dth)	1,208,474	1,857,629	2,171,759	1,827,560	1,620,626	684,913	448,406	329,092	322,880	324,336	342,748	586,138	8,686,048	3,038,513	11,724,561

Northern Utilities, Inc. High Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.618	\$ 5.878	\$ 6.012	\$ 5.980	\$ 5.896	\$ 5.487	\$ 5.487	\$ 5.502				\$ 5.633	\$ 5.879	\$ 5.535	\$ 5.796
Dawn	\$ 5.811	\$ 6.069	\$ 6.201	\$ 6.170	\$ 6.087								\$ 6.089		\$ 6.089
Iroquois Receipts	\$ 6.312	\$ 6.565	\$ 6.694	\$ 6.664	\$ 6.582								\$ 6.589		\$ 6.589
Wright															
Chicago Path Total	\$ 5.656	\$ 5.942	\$ 6.075	\$ 6.044	\$ 5.956	\$ 5.487	\$ 5.487	\$ 5.502				\$ 5.633	\$ 5.939	\$ 5.535	\$ 5.848
PNTGS Path Supplies															
PNGTS	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 7.202		\$ 7.202
PNGTS Path Total	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 7.202		\$ 7.202
Niagara Path Supplies															
Niagara	\$ 5.813	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071	\$ 5.543							\$ 6.066	\$ 5.543	\$ 6.066
Niagara Path Total	\$ 5.813	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071	\$ 5.543							\$ 6.066	\$ 5.543	\$ 6.066
Tennessee Production Supplies															
Tennessee Production	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.471	\$ 5.545
Tennessee Production Path Total	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.471	\$ 5.545
Tennessee Storage Path															
Tennessee Storage	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278								\$ 5.278		\$ 5.278
Tenn Zone 4 Spot	\$ 5.369	\$ 5.608			\$ 5.625	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.480	\$ 5.441	\$ 5.449
Tennessee Storage Path Total	\$ 5.366	\$ 5.547	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.351	\$ 5.441	\$ 5.404
Washington 10 Storage Path															
Washington 10 Storage		\$ 6.667	\$ 6.667	\$ 6.667	\$ 6.667								\$ 6.667		\$ 6.667
Washington 10 Supply (Chicago)	\$ 6.979			\$ 7.321	\$ 7.239								\$ 7.125		\$ 7.125
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 6.979	\$ 6.667	\$ 6.667	\$ 6.691	\$ 6.741								\$ 6.690		\$ 6.690
New Lewiston Supplies															
Lewiston	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 7.161		\$ 7.161
New Lewiston Supplies Total	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 7.161		\$ 7.161
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.984	\$ 5.562	\$ 6.861
New TGP Zone 6 Supplies Total	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.984	\$ 5.562	\$ 6.861
Lewiston LNG Plant															
LNG	\$ 7.273	\$ 7.876	\$ 9.407	\$ 9.416	\$ 9.177	\$ 8.674	\$ 8.458	\$ 8.271	\$ 8.101	\$ 7.951	\$ 7.820	\$ 7.702	\$ 9.045	\$ 8.138	\$ 8.988
LNG Plant Total	\$ 7.273	\$ 7.876	\$ 9.407	\$ 9.416	\$ 9.177	\$ 8.674	\$ 8.458	\$ 8.271	\$ 8.101	\$ 7.951	\$ 7.820	\$ 7.702	\$ 9.045	\$ 8.138	\$ 8.988
Peaking Supplies															
Peaking Supply 1		\$ 14.410	\$ 14.538										\$ 14.505		\$ 14.505
Peaking Supply 2			\$ 15.017										\$ 15.017		\$ 15.017
Peaking Supply 3															
Peaking Supply Total		\$ 14.410	\$ 14.610										\$ 14.565		\$ 14.565
Total Cost per Dth	\$ 5.640	\$ 6.371	\$ 6.859	\$ 6.621	\$ 6.162	\$ 5.437	\$ 5.423	\$ 5.447	\$ 5.484	\$ 5.510	\$ 5.516	\$ 5.566	\$ 6.405	\$ 5.483	\$ 6.166

Northern Utilities, Inc. High Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 998,452	\$ 1,118,163	\$ 1,140,816	\$ 1,025,084	\$ 1,119,305	\$ 860,201	\$ 296,808	\$ 8,731	\$ -	\$ -	\$ -	\$ 587,659	\$ 5,401,821	\$ 1,753,398	\$ 7,155,219
Dawn	\$ 262	\$ 422	\$ 430	\$ 387	\$ 422	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,923	\$ -	\$ 1,923
Iroquois Receipts	\$ 75,002	\$ 127,254	\$ 129,499	\$ 116,439	\$ 119,150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 567,344	\$ -	\$ 567,344
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$1,073,716	\$ 1,245,839	\$ 1,270,746	\$ 1,141,910	\$ 1,238,877	\$ 860,201	\$ 296,808	\$ 8,731	\$ -	\$ -	\$ -	\$ 587,659	\$ 5,971,088	\$ 1,753,398	\$ 7,724,487
PNTGS Path Supplies															
PNTGS	\$ 180,421	\$ 84,335	\$ 222,078	\$ 151,193	\$ 231,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 869,457	\$ -	\$ 869,457
PNTGS Path Total	\$ 180,421	\$ 84,335	\$ 222,078	\$ 151,193	\$ 231,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 869,457	\$ -	\$ 869,457
Niagara Path Supplies															
Niagara	\$ 348,388	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,153,796	\$ -	\$ 2,153,796
Niagara Path Total	\$ 348,388	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,153,796	\$ -	\$ 2,153,796
Tennessee Production Supplies															
Tennessee Production	\$2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$2,164,328	\$1,871,479	\$1,477,412	\$1,443,555	\$1,459,578	\$1,587,477	\$2,296,911	\$ 11,718,763	\$ 12,300,740	\$ 24,019,503
Tennessee Production Path Total	\$2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$2,164,328	\$1,871,479	\$1,477,412	\$1,443,555	\$1,459,578	\$1,587,477	\$2,296,911	\$ 11,718,763	\$ 12,300,740	\$ 24,019,503
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,654	\$ 459,053	\$ 414,628	\$ 459,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,417,380	\$ -	\$ 1,417,380
Tenn Zone 4 Spot	\$ 449,858	\$ 394,520	\$ -	\$ -	\$ 8	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 844,386	\$ 3,225,376	\$ 4,069,762
Tennessee Storage Path Total	\$ 449,858	\$ 479,173	\$ 459,053	\$ 414,628	\$ 459,053	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 2,261,766	\$ 3,225,376	\$ 5,487,142
Washington 10 Storage Path															
Washington 10 Storage	\$ 1,892	\$ 6,586,355	\$ 6,954,404	\$ 5,967,076	\$ 2,371,138	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,880,866	\$ -	\$ 21,880,866
Washington 10 Supply (Chicago)	\$ 792,371	\$ -	\$ -	\$ 389,084	\$ 690,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,871,965	\$ -	\$ 1,871,965
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 794,264	\$ 6,586,355	\$ 6,954,404	\$ 6,356,160	\$ 3,061,648	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,752,831	\$ -	\$ 23,752,831
New Lewiston Supplies															
Lewiston	\$ 780,534	\$ 275,445	\$ 1,000,201	\$ 650,301	\$ 1,153,266	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,859,746	\$ -	\$ 3,859,746
New Lewiston Supplies Total	\$ 780,534	\$ 275,445	\$ 1,000,201	\$ 650,301	\$ 1,153,266	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,859,746	\$ -	\$ 3,859,746
New TGP Zone 6 Supplies															
TGP Zone 6	\$1,587,903	\$ 922,823	\$ 1,917,686	\$ 1,434,508	\$ 1,841,468	\$ 566,576	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 177,746	\$ 7,704,388	\$ 744,322	\$ 8,448,710
New TGP Zone 6 Supplies Total	\$1,587,903	\$ 922,823	\$ 1,917,686	\$ 1,434,508	\$ 1,841,468	\$ 566,576	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 177,746	\$ 7,704,388	\$ 744,322	\$ 8,448,710
Lewiston LNG Plant															
LNG	\$ 10,281	\$ 276,125	\$ 992,696	\$ 440,798	\$ 13,204	\$ 12,092	\$ 12,188	\$ 11,540	\$ 11,684	\$ 11,472	\$ 10,924	\$ 11,122	\$ 1,733,105	\$ 81,022	\$ 1,814,126
LNG Plant Total	\$ 10,281	\$ 276,125	\$ 992,696	\$ 440,798	\$ 13,204	\$ 12,092	\$ 12,188	\$ 11,540	\$ 11,684	\$ 11,472	\$ 10,924	\$ 11,122	\$ 1,733,105	\$ 81,022	\$ 1,814,126
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 208,908	\$ 527,839	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 736,748	\$ -	\$ 736,748
Peaking Supply 2	\$ -	\$ -	\$ 96,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 96,287	\$ -	\$ 96,287
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 208,908	\$ 624,127	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 833,035	\$ -	\$ 833,035
Total Commodity Cost	\$7,461,965	\$12,944,883	\$16,365,879	\$13,217,449	\$10,867,801	\$4,049,595	\$2,642,585	\$1,947,460	\$1,923,085	\$1,941,224	\$2,053,971	\$3,546,936	\$ 60,857,976	\$ 18,104,857	\$ 78,962,833

Northern Utilities, Inc. High Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	672,997	978,726	1,130,415	960,921	892,140	236,400	167,492	126,143	124,209	124,658	130,211	206,716	4,635,199	1,115,829	5,751,027
New Hampshire Requirement	575,684	941,044	1,114,079	927,790	782,482	473,731	297,234	214,863	210,350	211,410	224,964	400,933	4,341,079	2,033,484	6,374,563
Northern Requirement	1,248,681	1,919,770	2,244,494	1,888,711	1,674,621	710,131	464,726	341,006	334,558	336,068	355,174	607,649	8,976,277	3,149,313	12,125,590
Chicago Path Supplies															
Chicago	168,322	180,839	180,839	163,338	180,842	149,495	51,590	1,514	0	0	0	99,521	874,181	302,119	1,176,300
Dawn	43	66	66	60	66	0	0	0	0	0	0	0	301	0	301
Iroquois Receipts	11,338	18,550	18,550	16,755	17,354	0	0	0	0	0	0	0	82,547	0	82,547
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	179,703	199,455	199,455	180,153	198,262	149,495	51,590	1,514	0	0	0	99,521	957,029	302,119	1,259,149
PNTGS Path Supplies															
PNGTS	29,596	10,962	24,115	16,804	33,981	0	0	0	0	0	0	0	115,458	0	115,458
PNGTS Path Total	29,596	10,962	24,115	16,804	33,981	0	0	0	0	0	0	0	115,458	0	115,458
Niagara Path Supplies															
Niagara	56,967	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	339,109	0	339,109
Niagara Path Total	56,967	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	339,109	0	339,109
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	382,089	329,786	258,831	251,209	252,718	274,514	394,832	1,979,397	2,143,979	4,123,376
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	382,089	329,786	258,831	251,209	252,718	274,514	394,832	1,979,397	2,143,979	4,123,376
Tennessee Storage Path															
Tennessee Storage	0	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	146,155	565,755	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	270	941,044	993,630	852,563	338,783	0	0	0	0	0	0	0	3,126,291	0	3,126,291
Washington 10 Supply (Chicago)	108,754	0	0	51,136	91,765	0	0	0	0	0	0	0	251,655	0	251,655
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	109,025	941,044	993,630	903,699	430,548	0	0	0	0	0	0	0	3,377,947	0	3,377,947
New Lewiston Supplies															
Lewiston	127,726	35,758	108,564	72,240	169,026	0	0	0	0	0	0	0	513,314	0	513,314
New Lewiston Supplies Total	127,726	35,758	108,564	72,240	169,026	0	0	0	0	0	0	0	513,314	0	513,314
New TGP Zone 6 Supplies															
TGP Zone 6	271,746	124,020	214,117	164,047	280,804	97,885	0	0	0	0	0	29,945	1,054,733	127,831	1,182,564
New TGP Zone 6 Supplies Total	271,746	124,020	214,117	164,047	280,804	97,885	0	0	0	0	0	29,945	1,054,733	127,831	1,182,564
Lewiston LNG Plant															
LNG	1,350	33,715	102,098	45,414	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	183,972	9,630	193,602
LNG Plant Total	1,350	33,715	102,098	45,414	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	183,972	9,630	193,602
Peaking Supplies															
Peaking Supply 1	0	14,210	35,615	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 2	0	0	6,293	0	0	0	0	0	0	0	0	0	6,293	0	6,293
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	14,210	41,908	0	0	0	0	0	0	0	0	0	56,118	0	56,118
Northern Requirement	1,248,681	1,919,770	2,244,494	1,888,711	1,674,621	710,131	464,726	341,006	334,558	336,068	355,174	607,649	8,976,277	3,149,313	12,125,590
Total Delivered (Dth)	1,248,681	1,919,770	2,244,494	1,888,711	1,674,622	710,131	464,726	341,006	334,559	336,068	355,175	607,649	8,976,278	3,149,314	12,125,592

Northern Utilities, Inc. High Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.932	\$ 6.183	\$ 6.308	\$ 6.276	\$ 6.189	\$ 5.754	\$ 5.753	\$ 5.769				\$ 5.905	\$ 6.179	\$ 5.804	\$ 6.083
Dawn	\$ 6.122	\$ 6.371	\$ 6.495	\$ 6.462	\$ 6.377								\$ 6.382		\$ 6.382
Iroquois Receipts	\$ 6.615	\$ 6.860	\$ 6.981	\$ 6.950	\$ 6.866								\$ 6.873		\$ 6.873
Wright															
Chicago Path Total	\$ 5.975	\$ 6.246	\$ 6.371	\$ 6.339	\$ 6.249	\$ 5.754	\$ 5.753	\$ 5.769				\$ 5.905	\$ 6.239	\$ 5.804	\$ 6.135
PNTGS Path Supplies															
PNGTS	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.531		\$ 7.531
PNGTS Path Total	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.531		\$ 7.531
Niagara Path Supplies															
Niagara	\$ 6.116	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.351		\$ 6.351
Niagara Path Total	\$ 6.116	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.351		\$ 6.351
Tennessee Production Supplies															
Tennessee Production	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.737	\$ 5.825
Tennessee Production Path Total	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.737	\$ 5.825
Tennessee Storage Path															
Tennessee Storage		\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.601								\$ 5.601		\$ 5.601
Tenn Zone 4 Spot	\$ 5.672	\$ 5.902			\$ 5.908	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.777	\$ 5.701	\$ 5.717
Tennessee Storage Path Total	\$ 5.672	\$ 5.847	\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.666	\$ 5.701	\$ 5.686
Washington 10 Storage Path															
Washington 10 Storage	\$ 6.999	\$ 6.999	\$ 6.999	\$ 6.999	\$ 6.999								\$ 6.999		\$ 6.999
Washington 10 Supply (Chicago)	\$ 7.286			\$ 7.609	\$ 7.525								\$ 7.439		\$ 7.439
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 7.285	\$ 6.999	\$ 6.999	\$ 7.033	\$ 7.111								\$ 7.032		\$ 7.032
New Lewiston Supplies															
Lewiston	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.519		\$ 7.519
New Lewiston Supplies Total	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.519		\$ 7.519
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.305	\$ 5.823	\$ 7.144
New TGP Zone 6 Supplies Total	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.305	\$ 5.823	\$ 7.144
Lewiston LNG Plant															
LNG	\$ 7.615	\$ 8.190	\$ 9.723	\$ 9.706	\$ 9.465	\$ 8.957	\$ 8.737	\$ 8.548	\$ 8.376	\$ 8.224	\$ 8.092	\$ 7.973	\$ 9.420	\$ 8.413	\$ 9.370
LNG Plant Total	\$ 7.615	\$ 8.190	\$ 9.723	\$ 9.706	\$ 9.465	\$ 8.957	\$ 8.737	\$ 8.548	\$ 8.376	\$ 8.224	\$ 8.092	\$ 7.973	\$ 9.420	\$ 8.413	\$ 9.370
Peaking Supplies															
Peaking Supply 1		\$ 14.701	\$ 14.821										\$ 14.787		\$ 14.787
Peaking Supply 2			\$ 15.300										\$ 15.300		\$ 15.300
Peaking Supply 3															
Peaking Supply Total		\$ 14.701	\$ 14.893										\$ 14.844		\$ 14.844
Total Cost per Dth	\$ 5.976	\$ 6.743	\$ 7.292	\$ 6.998	\$ 6.490	\$ 5.703	\$ 5.686	\$ 5.711	\$ 5.748	\$ 5.776	\$ 5.783	\$ 5.837	\$ 6.780	\$ 5.749	\$ 6.512

Northern Utilities, Inc. High Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$1,022,740	\$ 1,167,086	\$ 1,190,119	\$ 1,107,817	\$ 1,168,608	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,656,370	\$ -	\$ 5,656,370
Dawn	\$ 233	\$ 440	\$ 448	\$ 417	\$ 440	\$ 19,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,978	\$ 19,994	\$ 21,972
Iroquois Receipts	\$ 67,195	\$ 132,103	\$ 134,386	\$ 125,169	\$ 123,722	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 582,575	\$ -	\$ 582,575
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$1,090,168	\$ 1,299,628	\$ 1,324,953	\$ 1,233,403	\$ 1,292,770	\$ 19,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,240,923	\$ 19,994	\$ 6,260,917
PNTGS Path Supplies															
PNGTS	\$ 187,437	\$ 87,162	\$ 228,346	\$ 146,441	\$ 240,262	\$ 6,775	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 889,648	\$ 6,775	\$ 896,422
PNGTS Path Total	\$ 187,437	\$ 87,162	\$ 228,346	\$ 146,441	\$ 240,262	\$ 6,775	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 889,648	\$ 6,775	\$ 896,422
Niagara Path Supplies															
Niagara	\$ 339,414	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 80,966	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,459	\$ 2,234,034	\$ 90,425	\$ 2,324,459
Niagara Path Total	\$ 339,414	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 80,966	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,459	\$ 2,234,034	\$ 90,425	\$ 2,324,459
Tennessee Production Supplies															
Tennessee Production	\$2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$2,265,822	\$1,979,280	\$1,613,230	\$1,567,286	\$1,584,820	\$1,722,311	\$2,418,330	\$ 12,334,273	\$ 13,151,078	\$ 25,485,351
Tennessee Production Path Total	\$2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$2,265,822	\$1,979,280	\$1,613,230	\$1,567,286	\$1,584,820	\$1,722,311	\$2,418,330	\$ 12,334,273	\$ 13,151,078	\$ 25,485,351
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 73,230	\$ 481,300	\$ 450,249	\$ 481,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,486,071	\$ -	\$ 1,486,071
Tenn Zone 4 Spot	\$ 470,773	\$ 428,236	\$ -	\$ -	\$ 8	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 899,018	\$ 3,364,582	\$ 4,263,600
Tennessee Storage Path Total	\$ 470,773	\$ 501,467	\$ 481,300	\$ 450,249	\$ 481,301	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 2,385,089	\$ 3,364,582	\$ 5,749,671
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 6,970,004	\$ 7,276,087	\$ 6,311,684	\$ 2,324,713	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,882,487	\$ -	\$ 22,882,487
Washington 10 Supply (Chicago)	\$ 718,131	\$ -	\$ -	\$ 517,090	\$ 736,948	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,972,169	\$ -	\$ 1,972,169
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 718,131	\$ 6,970,004	\$ 7,276,087	\$ 6,828,773	\$ 3,061,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,854,656	\$ -	\$ 24,854,656
New Lewiston Supplies															
Lewiston	\$ 773,672	\$ 280,771	\$ 1,025,642	\$ 581,626	\$ 1,181,617	\$ 1,560	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,843,326	\$ 1,560	\$ 3,844,887
New Lewiston Supplies Total	\$ 773,672	\$ 280,771	\$ 1,025,642	\$ 581,626	\$ 1,181,617	\$ 1,560	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,843,326	\$ 1,560	\$ 3,844,887
New TGP Zone 6 Supplies															
TGP Zone 6	\$2,080,141	\$ 1,289,753	\$ 2,534,457	\$ 1,809,702	\$ 2,406,227	\$1,509,414	\$ 372,170	\$ -	\$ -	\$ -	\$ -	\$ 890,144	\$ 10,120,279	\$ 2,771,728	\$ 12,892,007
New TGP Zone 6 Supplies Total	\$2,080,141	\$ 1,289,753	\$ 2,534,457	\$ 1,809,702	\$ 2,406,227	\$1,509,414	\$ 372,170	\$ -	\$ -	\$ -	\$ -	\$ 890,144	\$ 10,120,279	\$ 2,771,728	\$ 12,892,007
Lewiston LNG Plant															
LNG	\$ 10,644	\$ 284,902	\$ 1,022,158	\$ 254,222	\$ 13,568	\$ 12,439	\$ 12,544	\$ 11,882	\$ 12,037	\$ 11,823	\$ 11,263	\$ 11,619	\$ 1,585,495	\$ 83,607	\$ 1,669,102
LNG Plant Total	\$ 10,644	\$ 284,902	\$ 1,022,158	\$ 254,222	\$ 13,568	\$ 12,439	\$ 12,544	\$ 11,882	\$ 12,037	\$ 11,823	\$ 11,263	\$ 11,619	\$ 1,585,495	\$ 83,607	\$ 1,669,102
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 230,253	\$ 519,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 749,526	\$ -	\$ 749,526
Peaking Supply 2	\$ -	\$ 6,414	\$ 190,421	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 196,835	\$ -	\$ 196,835
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 236,667	\$ 709,694	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 946,361	\$ -	\$ 946,361
Total Commodity Cost	\$8,013,395	\$13,943,673	\$17,655,957	\$14,146,367	\$11,674,693	\$4,362,596	\$2,846,138	\$2,094,277	\$2,067,118	\$2,086,933	\$2,208,691	\$3,823,997	\$ 65,434,084	\$ 19,489,749	\$ 84,923,833

Northern Utilities, Inc. High Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	692,583	1,007,246	1,163,370	988,931	918,129	242,051	171,442	129,081	127,093	127,553	133,249	211,631	4,770,260	1,142,101	5,912,361
New Hampshire Requirement	595,972	974,204	1,153,335	960,482	810,055	490,177	307,555	222,326	217,656	218,753	232,777	414,853	4,494,048	2,104,097	6,598,145
Northern Requirement	1,288,555	1,981,451	2,316,705	1,949,412	1,728,185	732,228	478,997	351,407	344,749	346,307	366,026	626,484	9,264,308	3,246,198	12,510,506
Chicago Path Supplies															
Chicago	164,833	180,839	180,839	169,172	180,842	0	0	0	0	0	0	0	876,525	0	876,525
Dawn	36	66	66	62	66	3,241	0	0	0	0	0	0	297	3,241	3,538
Iroquois Receipts	9,768	18,550	18,550	17,353	17,354	0	0	0	0	0	0	0	81,576	0	81,576
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	174,638	199,455	199,455	186,587	198,262	3,241	0	0	0	0	0	0	958,398	3,241	961,639
PNTGS Path Supplies															
PNGTS	29,485	10,962	24,115	15,819	33,981	1,096	0	0	0	0	0	0	114,362	1,096	115,458
PNGTS Path Total	29,485	10,962	24,115	15,819	33,981	1,096	0	0	0	0	0	0	114,362	1,096	115,458
Niagara Path Supplies															
Niagara	53,222	72,284	72,284	67,621	72,284	13,395	0	0	0	0	0	1,525	337,695	14,920	352,615
Niagara Path Total	53,222	72,284	72,284	67,621	72,284	13,395	0	0	0	0	0	1,525	337,695	14,920	352,615
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	383,182	334,030	270,746	261,399	262,956	285,365	397,772	1,992,506	2,195,448	4,187,954
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	383,182	334,030	270,746	261,399	262,956	285,365	397,772	1,992,506	2,195,448	4,187,954
Tennessee Storage Path															
Tennessee Storage	0	12,470	81,955	76,668	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	69,486	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	148,798	565,755	714,553
Tennessee Storage Path Total	79,311	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	401,845	565,755	967,599
Washington 10 Storage Path															
Washington 10 Storage	0	958,107	1,000,181	867,613	319,558	0	0	0	0	0	0	0	3,145,459	0	3,145,459
Washington 10 Supply (Chicago)	95,086	0	0	65,668	94,599	0	0	0	0	0	0	0	255,353	0	255,353
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	95,086	958,107	1,000,181	933,281	414,157	0	0	0	0	0	0	0	3,400,812	0	3,400,812
New Lewiston Supplies															
Lewiston	121,436	35,273	108,281	62,804	166,848	252	0	0	0	0	0	0	494,642	252	494,894
New Lewiston Supplies Total	121,436	35,273	108,281	62,804	166,848	252	0	0	0	0	0	0	494,642	252	494,894
New TGP Zone 6 Supplies															
TGP Zone 6	340,769	167,526	275,002	200,980	352,935	250,401	61,617	0	0	0	0	143,837	1,337,211	455,855	1,793,066
New TGP Zone 6 Supplies Total	340,769	167,526	275,002	200,980	352,935	250,401	61,617	0	0	0	0	143,837	1,337,211	455,855	1,793,066
Lewiston LNG Plant															
LNG	1,350	33,715	102,394	25,505	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	164,358	9,630	173,988
LNG Plant Total	1,350	33,715	102,394	25,505	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	164,358	9,630	173,988
Peaking Supplies															
Peaking Supply 1	0	15,392	34,433	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 2	0	415	12,238	0	0	0	0	0	0	0	0	0	12,653	0	12,653
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	15,807	46,671	0	0	0	0	0	0	0	0	0	62,478	0	62,478
Northern Requirement	1,288,555	1,981,451	2,316,705	1,949,412	1,728,185	732,228	478,997	351,407	344,749	346,307	366,026	626,484	9,264,308	3,246,198	12,510,506
Total Delivered (Dth)	1,288,555	1,981,450	2,316,705	1,949,413	1,728,184	732,228	478,997	351,407	344,749	346,306	366,026	626,484	9,264,307	3,246,197	12,510,504

Northern Utilities, Inc. High Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 6.205	\$ 6.454	\$ 6.581	\$ 6.548	\$ 6.462								\$ 6.453		\$ 6.453
Dawn	\$ 6.392	\$ 6.638	\$ 6.764	\$ 6.732	\$ 6.646	\$ 6.169							\$ 6.657	\$ 6.169	\$ 6.210
Iroquois Receipts	\$ 6.879	\$ 7.121	\$ 7.244	\$ 7.213	\$ 7.129								\$ 7.142		\$ 7.142
Wright															
Chicago Path Total	\$ 6.242	\$ 6.516	\$ 6.643	\$ 6.610	\$ 6.521	\$ 6.169							\$ 6.512	\$ 6.169	\$ 6.511
PNTGS Path Supplies															
PNGTS	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071	\$ 6.180							\$ 7.779	\$ 6.180	\$ 7.764
PNGTS Path Total	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071	\$ 6.180							\$ 7.779	\$ 6.180	\$ 7.764
Niagara Path Supplies															
Niagara	\$ 6.377	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.045						\$ 6.202	\$ 6.616	\$ 6.061	\$ 6.592
Niagara Path Total	\$ 6.377	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.045						\$ 6.202	\$ 6.616	\$ 6.061	\$ 6.592
Tennessee Production Supplies															
Tennessee Production	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.990	\$ 6.085
Tennessee Production Path Total	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.990	\$ 6.085
Tennessee Storage Path															
Tennessee Storage		\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.873								\$ 5.873		\$ 5.873
Tenn Zone 4 Spot	\$ 5.936	\$ 6.163			\$ 6.171	\$ 5.871	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 6.042	\$ 5.947	\$ 5.967
Tennessee Storage Path Total	\$ 5.936	\$ 6.119	\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.871	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 5.935	\$ 5.947	\$ 5.942
Washington 10 Storage Path															
Washington 10 Storage		\$ 7.275	\$ 7.275	\$ 7.275	\$ 7.275								\$ 7.275		\$ 7.275
Washington 10 Supply (Chicago)	\$ 7.552			\$ 7.874	\$ 7.790								\$ 7.723		\$ 7.723
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 7.552	\$ 7.275	\$ 7.275	\$ 7.317	\$ 7.393								\$ 7.308		\$ 7.308
New Lewiston Supplies															
Lewiston	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082	\$ 6.195							\$ 7.770	\$ 6.195	\$ 7.769
New Lewiston Supplies Total	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082	\$ 6.195							\$ 7.770	\$ 6.195	\$ 7.769
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.568	\$ 6.080	\$ 7.190
New TGP Zone 6 Supplies Total	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.568	\$ 6.080	\$ 7.190
Lewiston LNG Plant															
LNG	\$ 7.885	\$ 8.450	\$ 9.983	\$ 9.968	\$ 9.727	\$ 9.214	\$ 8.992	\$ 8.802	\$ 8.628	\$ 8.475	\$ 8.343	\$ 8.329	\$ 9.647	\$ 8.682	\$ 9.593
LNG Plant Total	\$ 7.885	\$ 8.450	\$ 9.983	\$ 9.968	\$ 9.727	\$ 9.214	\$ 8.992	\$ 8.802	\$ 8.628	\$ 8.475	\$ 8.343	\$ 8.329	\$ 9.647	\$ 8.682	\$ 9.593
Peaking Supplies															
Peaking Supply 1		\$ 14.959	\$ 15.081										\$ 15.043		\$ 15.043
Peaking Supply 2		\$ 15.439	\$ 15.560										\$ 15.556		\$ 15.556
Peaking Supply 3															
Peaking Supply Total		\$ 14.972	\$ 15.206										\$ 15.147		\$ 15.147
Total Cost per Dth	\$ 6.219	\$ 7.037	\$ 7.621	\$ 7.257	\$ 6.755	\$ 5.958	\$ 5.942	\$ 5.960	\$ 5.996	\$ 6.026	\$ 6.034	\$ 6.104	\$ 7.063	\$ 6.004	\$ 6.788

Appendix VI-6(4). High Case Normal Commodity Costs

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 734,207	\$ 861,361	\$ 409,311	\$ 254,372	\$ 316,289	\$ 637,639	\$ 116,207	\$ -	\$ -	\$ -	\$ -	\$ 370,873	\$ 2,575,540	\$ 1,124,719	\$ 3,700,259
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 734,207	\$ 861,361	\$ 409,311	\$ 254,372	\$ 316,289	\$ 637,639	\$ 116,207	\$ -	\$ -	\$ -	\$ -	\$ 370,873	\$ 2,575,540	\$ 1,124,719	\$ 3,700,259
PNTGS Path Supplies															
PNTGS	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 38,567	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,512	\$ 940,415	\$ 44,079	\$ 984,494
PNTGS Path Total	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 38,567	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,512	\$ 940,415	\$ 44,079	\$ 984,494
Niagara Path Supplies															
Niagara	\$ -	\$ 81,370	\$ 144,833	\$ 62,044	\$ 70,856	\$ 151,104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,159	\$ 359,102	\$ 181,263	\$ 540,365
Niagara Path Total	\$ -	\$ 81,370	\$ 144,833	\$ 62,044	\$ 70,856	\$ 151,104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,159	\$ 359,102	\$ 181,263	\$ 540,365
Tennessee Production Supplies															
Tennessee Production	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,736,154	\$1,458,561	\$1,086,377	\$1,059,361	\$1,071,339	\$1,164,400	\$1,829,433	\$ 9,030,568	\$ 9,405,624	\$ 18,436,192
Tennessee Production Path Total	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,736,154	\$1,458,561	\$1,086,377	\$1,059,361	\$1,071,339	\$1,164,400	\$1,829,433	\$ 9,030,568	\$ 9,405,624	\$ 18,436,192
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ -	\$ 394,772	\$ 369,302	\$ 394,772	\$ 72,793	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,158,846	\$ 72,793	\$ 1,231,639
Tenn Zone 4 Spot	\$ 332,368	\$ 371,588	\$ -	\$ -	\$ -	\$ 293,037	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 703,956	\$ 2,567,034	\$ 3,270,990
Tennessee Storage Path Total	\$ 332,368	\$ 371,588	\$ 394,772	\$ 369,302	\$ 394,772	\$ 365,830	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 1,862,802	\$ 2,639,827	\$ 4,502,629
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 3,273,679	\$ 4,459,875	\$3,886,035	\$2,794,839	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,414,429	\$ -	\$ 14,414,429
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 AMA Spot (PNGTS)	\$1,013,709	\$ -	\$ -	\$ -	\$ 196,807	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,210,515	\$ -	\$ 1,210,515
W10 Path Total	\$1,013,709	\$ 3,273,679	\$ 4,459,875	\$3,886,035	\$2,991,646	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,624,944	\$ -	\$ 15,624,944
New Lewiston Supplies															
Lewiston	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 29,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,202,549	\$ 29,673	\$ 5,232,222
New Lewiston Supplies Total	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 29,673	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,202,549	\$ 29,673	\$ 5,232,222
New TGP Zone 6 Supplies															
TGP Zone 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New TGP Zone 6 Supplies Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lewiston LNG Plant															
LNG	\$ 8,303	\$ 50,144	\$ 405,325	\$ 87,053	\$ 11,198	\$ 10,248	\$ 10,330	\$ 9,782	\$ 9,908	\$ 9,731	\$ 9,269	\$ 9,440	\$ 562,022	\$ 68,709	\$ 630,731
LNG Plant Total	\$ 8,303	\$ 50,144	\$ 405,325	\$ 87,053	\$ 11,198	\$ 10,248	\$ 10,330	\$ 9,782	\$ 9,908	\$ 9,731	\$ 9,269	\$ 9,440	\$ 562,022	\$ 68,709	\$ 630,731
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 154,742	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 154,742	\$ -	\$ 154,742
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 154,742	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 154,742	\$ -	\$ 154,742
Total Commodity Cost	\$4,935,224	\$ 7,725,162	\$ 9,122,065	\$7,609,750	\$6,920,484	\$2,969,216	\$1,961,507	\$1,463,483	\$1,452,495	\$1,466,291	\$1,547,107	\$2,633,796	\$ 36,312,683	\$ 13,493,894	\$ 49,806,577

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	568,898	818,912	923,184	792,674	751,473	216,129	155,234	118,348	116,849	117,247	121,955	190,020	3,855,141	1,035,782	4,890,923
New Hampshire Requirement	474,850	767,392	882,648	748,503	645,091	427,046	269,942	196,380	192,523	193,468	205,380	362,343	3,518,484	1,847,082	5,365,566
Northern Requirement	1,043,748	1,586,304	1,805,833	1,541,177	1,396,564	643,175	425,176	314,728	309,371	310,715	327,336	552,363	7,373,626	2,882,864	10,256,489
Chicago Path Supplies															
Chicago	162,883	180,896	84,050	52,205	65,373	137,070	24,901	0	0	0	0	76,783	545,407	238,754	784,162
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	162,883	180,896	84,050	52,205	65,373	137,070	24,901	0	0	0	0	76,783	545,407	238,754	784,162
PNTGS Path Supplies															
PNGTS	29,895	30,892	30,892	28,899	30,892	7,890	0	0	0	0	0	1,089	151,468	8,980	160,448
PNGTS Path Total	29,895	30,892	30,892	28,899	30,892	7,890	0	0	0	0	0	1,089	151,468	8,980	160,448
Niagara Path Supplies															
Niagara	0	16,335	28,464	12,189	14,015	31,823	0	0	0	0	0	6,128	71,003	37,951	108,954
Niagara Path Total	0	16,335	28,464	12,189	14,015	31,823	0	0	0	0	0	6,128	71,003	37,951	108,954
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	379,683	316,925	234,067	226,022	227,365	246,674	385,012	1,992,506	2,015,747	4,008,253
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	379,683	316,925	234,067	226,022	227,365	246,674	385,012	1,992,506	2,015,747	4,008,253
Tennessee Storage Path															
Tennessee Storage	0	0	81,955	76,668	81,955	15,112	0	0	0	0	0	0	240,578	15,112	255,690
Tenn Zone 4 Spot	77,336	81,955	0	0	0	64,199	81,955	79,311	81,955	81,955	79,311	81,955	159,291	550,643	709,934
Tennessee Storage Path Total	77,336	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,869	565,755	965,624
Washington 10 Storage Path															
Washington 10 Storage	0	691,640	942,250	821,014	590,474	0	0	0	0	0	0	0	3,045,377	0	3,045,377
Washington 10 Supply (Chicago)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 AMA Spot (PNGTS)	214,026	0	0	0	35,594	0	0	0	0	0	0	0	249,621	0	249,621
W10 Path Total	214,026	691,640	942,250	821,014	626,068	0	0	0	0	0	0	0	3,294,998	0	3,294,998
New Lewiston Supplies															
Lewiston	165,000	170,500	170,500	159,500	170,500	6,047	0	0	0	0	0	0	836,000	6,047	842,047
New Lewiston Supplies Total	165,000	170,500	170,500	159,500	170,500	6,047	0	0	0	0	0	0	836,000	6,047	842,047
New Lewiston Supplies															
TGP Zone 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Lewiston Supplies Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewiston LNG Plant															
LNG	1,350	7,720	49,853	10,555	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	70,873	9,630	80,503
LNG Plant Total	1,350	7,720	49,853	10,555	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	70,873	9,630	80,503
Peaking Supplies															
Peaking Supply 1	0	0	11,502	0	0	0	0	0	0	0	0	0	11,502	0	11,502
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	11,502	0	0	0	0	0	0	0	0	0	11,502	0	11,502
Northern Requirement	1,043,748	1,586,304	1,805,833	1,541,177	1,396,564	643,175	425,176	314,728	309,371	310,715	327,336	552,363	7,373,626	2,882,864	10,256,489
Total Delivered (Dth)	1,043,748	1,586,304	1,805,832	1,541,177	1,396,564	643,175	425,176	314,728	309,372	310,715	327,335	552,363	7,373,625	2,882,864	10,256,489

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn	\$ 4.508	\$ 4.762	\$ 4.870	\$ 4.873	\$ 4.838	\$ 4.652	\$ 4.667					\$ 4.830	\$ 4.722	\$ 4.711	\$ 4.719
Iroquois Receipts															
Wright															
Chicago Path Total	\$ 4.508	\$ 4.762	\$ 4.870	\$ 4.873	\$ 4.838	\$ 4.652	\$ 4.667					\$ 4.830	\$ 4.722	\$ 4.711	\$ 4.719
PNTGS Path Supplies															
PNGTS	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.909	\$ 6.136
PNGTS Path Total	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.909	\$ 6.136
Niagara Path Supplies															
Niagara		\$ 4.981	\$ 5.088	\$ 5.090	\$ 5.056	\$ 4.748						\$ 4.921	\$ 5.058	\$ 4.776	\$ 4.960
Niagara Path Total		\$ 4.981	\$ 5.088	\$ 5.090	\$ 5.056	\$ 4.748						\$ 4.921	\$ 5.058	\$ 4.776	\$ 4.960
Tennessee Production Supplies															
Tennessee Production	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.600
Tennessee Production Path Total	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.600
Tennessee Storage Path															
Tennessee Storage			\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.817							\$ 4.817	\$ 4.817	\$ 4.817
Tenn Zone 4 Spot	\$ 4.298	\$ 4.534				\$ 4.564	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.708	\$ 4.739	\$ 4.419	\$ 4.662	\$ 4.607
Tennessee Storage Path Total	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.613	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.708	\$ 4.739	\$ 4.659	\$ 4.666	\$ 4.663
Washington 10 Storage Path															
Washington 10 Storage		\$ 4.733	\$ 4.733	\$ 4.733	\$ 4.733								\$ 4.733		\$ 4.733
Washington 10 Supply (Chicago)															
W10 AMA Spot (PNGTS)	\$ 4.736				\$ 5.529								\$ 4.849		\$ 4.849
W10 Path Total	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 4.778								\$ 4.742		\$ 4.742
New Lewiston Supplies															
Lewiston	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907							\$ 6.223	\$ 4.907	\$ 6.214
New Lewiston Supplies Total	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907							\$ 6.223	\$ 4.907	\$ 6.214
New Lewiston Supplies															
TGP Zone 6															
New Lewiston Supplies Total															
Lewiston LNG Plant															
LNG	\$ 6.150	\$ 6.495	\$ 8.130	\$ 8.248	\$ 8.027	\$ 7.591	\$ 7.405	\$ 7.246	\$ 7.103	\$ 6.976	\$ 6.866	\$ 6.767	\$ 7.930	\$ 7.135	\$ 7.835
LNG Plant Total	\$ 6.150	\$ 6.495	\$ 8.130	\$ 8.248	\$ 8.027	\$ 7.591	\$ 7.405	\$ 7.246	\$ 7.103	\$ 6.976	\$ 6.866	\$ 6.767	\$ 7.930	\$ 7.135	\$ 7.835
Peaking Supplies															
Peaking Supply 1			\$ 13.454										\$ 13.454		\$ 13.454
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 13.454										\$ 13.454		\$ 13.454
Total Cost per Dth	\$ 4.728	\$ 4.870	\$ 5.051	\$ 4.938	\$ 4.955	\$ 4.616	\$ 4.613	\$ 4.650	\$ 4.695	\$ 4.719	\$ 4.726	\$ 4.768	\$ 4.925	\$ 4.681	\$ 4.856

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 115,121	\$ 508,174	\$ 798,012	\$ 607,661	\$ 268,854	\$ 723,869	\$ 148,387	\$ -	\$ -	\$ -	\$ -	\$ 432,541	\$ 2,297,823	\$ 1,304,798	\$ 3,602,620
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 115,121	\$ 508,174	\$ 798,012	\$ 607,661	\$ 268,854	\$ 723,869	\$ 148,387	\$ -	\$ -	\$ -	\$ -	\$ 432,541	\$ 2,297,823	\$ 1,304,798	\$ 3,602,620
PNTGS Path Supplies															
PNTGS	\$ -	\$ 40,016	\$ 82,663	\$ 61,018	\$ 1,316	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 185,013	\$ -	\$ 185,013
PNTGS Path Total	\$ -	\$ 40,016	\$ 82,663	\$ 61,018	\$ 1,316	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 185,013	\$ -	\$ 185,013
Niagara Path Supplies															
Niagara	\$ -	\$ 161,745	\$ 278,526	\$ 174,170	\$ 47,989	\$ 6,826	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 662,430	\$ 6,826	\$ 669,256
Niagara Path Total	\$ -	\$ 161,745	\$ 278,526	\$ 174,170	\$ 47,989	\$ 6,826	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 662,430	\$ 6,826	\$ 669,256
Tennessee Production Supplies															
Tennessee Production	\$1,939,456	\$ 2,109,838	\$ 2,048,898	\$1,849,654	\$2,126,755	\$1,931,317	\$1,630,260	\$1,226,262	\$1,193,425	\$1,205,558	\$1,308,511	\$2,024,187	\$ 10,074,601	\$ 10,519,519	\$ 20,594,120
Tennessee Production Path Total	\$1,939,456	\$ 2,109,838	\$ 2,048,898	\$1,849,654	\$2,126,755	\$1,931,317	\$1,630,260	\$1,226,262	\$1,193,425	\$1,205,558	\$1,308,511	\$2,024,187	\$ 10,074,601	\$ 10,519,519	\$ 20,594,120
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,986	\$ 392,270	\$ 354,308	\$ 392,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,223,834	\$ -	\$ 1,223,834
Tenn Zone 4 Spot	\$ 391,457	\$ 333,148	\$ -	\$ -	\$ -	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 724,605	\$ 2,903,465	\$ 3,628,070
Tennessee Storage Path Total	\$ 391,457	\$ 418,133	\$ 392,270	\$ 354,308	\$ 392,270	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 1,948,439	\$ 2,903,465	\$ 4,851,904
Washington 10 Storage Path															
Washington 10 Storage	\$ 58,567	\$ 1,960,555	\$ 4,806,802	\$4,333,738	\$3,161,264	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,320,926	\$ -	\$ 14,320,926
Washington 10 Supply (Chicago)	\$2,329,492	\$ 2,778,827	\$ -	\$ -	\$1,043,153	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,151,473	\$ -	\$ 6,151,473
W10 AMA Spot (PNTGS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$2,388,059	\$ 4,739,383	\$ 4,806,802	\$4,333,738	\$4,204,418	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,472,399	\$ -	\$ 20,472,399
New Lewiston Supplies															
Lewiston	\$ -	\$ 83,140	\$ 292,474	\$ 150,148	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 525,762	\$ -	\$ 525,762
New Lewiston Supplies Total	\$ -	\$ 83,140	\$ 292,474	\$ 150,148	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 525,762	\$ -	\$ 525,762
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 490,089	\$ 346,463	\$ 720,189	\$ 486,679	\$ 82,733	\$ 268,145	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51,510	\$ 2,126,153	\$ 319,655	\$ 2,445,808
New TGP Zone 6 Supplies Total	\$ 490,089	\$ 346,463	\$ 720,189	\$ 486,679	\$ 82,733	\$ 268,145	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51,510	\$ 2,126,153	\$ 319,655	\$ 2,445,808
Lewiston LNG Plant															
LNG	\$ 9,046	\$ 9,487	\$ 250,659	\$ 69,491	\$ 11,857	\$ 10,890	\$ 10,993	\$ 10,423	\$ 10,568	\$ 10,389	\$ 9,904	\$ 10,094	\$ 350,540	\$ 73,262	\$ 423,802
LNG Plant Total	\$ 9,046	\$ 9,487	\$ 250,659	\$ 69,491	\$ 11,857	\$ 10,890	\$ 10,993	\$ 10,423	\$ 10,568	\$ 10,389	\$ 9,904	\$ 10,094	\$ 350,540	\$ 73,262	\$ 423,802
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 114,697	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 114,697	\$ -	\$ 114,697
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 114,697	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 114,697	\$ -	\$ 114,697
Total Commodity Cost	\$5,333,228	\$ 8,416,379	\$ 9,785,190	\$8,086,867	\$7,136,193	\$3,342,237	\$2,205,450	\$1,641,656	\$1,625,539	\$1,639,239	\$1,728,454	\$2,944,949	\$ 38,757,857	\$ 15,127,525	\$ 53,885,382

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	580,734	835,950	942,391	809,165	767,107	218,739	157,109	119,777	118,259	118,662	123,428	192,314	3,935,347	1,048,289	4,983,636
New Hampshire Requirement	486,062	785,510	903,488	766,175	660,321	434,905	274,909	199,994	196,066	197,028	209,160	369,011	3,601,555	1,881,073	5,482,629
Northern Requirement	1,066,795	1,621,460	1,845,879	1,575,340	1,427,429	653,644	432,018	319,771	314,325	315,691	332,588	561,325	7,536,902	2,929,362	10,466,264
Chicago Path Supplies															
Chicago	22,280	93,369	142,928	109,354	49,043	140,134	28,719	0	0	0	0	81,380	416,974	250,233	667,208
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	22,280	93,369	142,928	109,354	49,043	140,134	28,719	0	0	0	0	81,380	416,974	250,233	667,208
PNTGS Path Supplies															
PNGTS	0	5,726	9,706	7,342	214	0	0	0	0	0	0	0	22,989	0	22,989
PNGTS Path Total	0	5,726	9,706	7,342	214	0	0	0	0	0	0	0	22,989	0	22,989
Niagara Path Supplies															
Niagara	0	28,696	48,275	30,322	8,455	1,304	0	0	0	0	0	0	115,749	1,304	117,054
Niagara Path Total	0	28,696	48,275	30,322	8,455	1,304	0	0	0	0	0	0	115,749	1,304	117,054
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	384,457	348,775	406,366	380,216	319,949	239,110	230,975	232,340	251,927	387,002	1,939,222	2,041,518	3,980,740
Tennessee Production Path Total	393,258	406,366	384,457	348,775	406,366	380,216	319,949	239,110	230,975	232,340	251,927	387,002	1,939,222	2,041,518	3,980,740
Tennessee Storage Path															
Tennessee Storage	0	17,756	81,955	74,024	81,955	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	79,311	64,199	0	0	0	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	12,421	415,791	1,019,418	919,092	670,435	0	0	0	0	0	0	0	3,037,157	0	3,037,157
Washington 10 Supply (Chicago)	462,358	524,845	0	0	195,509	0	0	0	0	0	0	0	1,182,712	0	1,182,712
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	474,779	940,636	1,019,418	919,092	865,944	0	0	0	0	0	0	0	4,219,869	0	4,219,869
New Lewiston Supplies															
Lewiston	0	11,877	34,316	18,051	0	0	0	0	0	0	0	0	64,244	0	64,244
New Lewiston Supplies Total	0	11,877	34,316	18,051	0	0	0	0	0	0	0	0	64,244	0	64,244
New TGP Zone 6 Supplies															
TGP Zone 6	95,818	51,439	87,150	60,396	14,055	51,328	0	0	0	0	0	9,593	308,857	60,920	369,778
New TGP Zone 6 Supplies Total	95,818	51,439	87,150	60,396	14,055	51,328	0	0	0	0	0	9,593	308,857	60,920	369,778
Lewiston LNG Plant															
LNG	1,350	1,395	29,555	7,984	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	41,679	9,630	51,309
LNG Plant Total	1,350	1,395	29,555	7,984	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	41,679	9,630	51,309
Peaking Supplies															
Peaking Supply 1	0	0	8,118	0	0	0	0	0	0	0	0	0	8,118	0	8,118
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	8,118	0	0	0	0	0	0	0	0	0	8,118	0	8,118
Northern Requirement	1,066,795	1,621,460	1,845,879	1,575,340	1,427,429	653,644	432,018	319,771	314,325	315,691	332,588	561,325	7,536,902	2,929,362	10,466,264
Total Delivered (Dth)	1,066,796	1,621,460	1,845,879	1,575,340	1,427,428	653,644	432,018	319,771	314,325	315,690	332,588	561,325	7,536,903	2,929,361	10,466,264

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 5.167	\$ 5.443	\$ 5.583	\$ 5.557	\$ 5.482	\$ 5.166	\$ 5.167					\$ 5.315	\$ 5.511	\$ 5.214	\$ 5.400
Chicago Path Total	\$ 5.167	\$ 5.443	\$ 5.583	\$ 5.557	\$ 5.482	\$ 5.166	\$ 5.167					\$ 5.315	\$ 5.511	\$ 5.214	\$ 5.400
PNTGS Path Supplies															
PNGTS		\$ 6.988	\$ 8.517	\$ 8.311	\$ 6.139								\$ 8.048		\$ 8.048
PNGTS Path Total		\$ 6.988	\$ 8.517	\$ 8.311	\$ 6.139								\$ 8.048		\$ 8.048
Niagara Path Supplies															
Niagara		\$ 5.636	\$ 5.770	\$ 5.744	\$ 5.676	\$ 5.233							\$ 5.723	\$ 5.233	\$ 5.718
Niagara Path Total		\$ 5.636	\$ 5.770	\$ 5.744	\$ 5.676	\$ 5.233							\$ 5.723	\$ 5.233	\$ 5.718
Tennessee Production Supplies															
Tennessee Production	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.195	\$ 5.153	\$ 5.173
Tennessee Production Path Total	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.195	\$ 5.153	\$ 5.173
Tennessee Storage Path															
Tennessee Storage		\$ 4.786	\$ 4.786	\$ 4.786	\$ 4.786								\$ 4.786		\$ 4.786
Tenn Zone 4 Spot	\$ 4.936	\$ 5.189				\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 5.049	\$ 5.132	\$ 5.115
Tennessee Storage Path Total	\$ 4.936	\$ 5.102	\$ 4.786	\$ 4.786	\$ 4.786	\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 4.881	\$ 5.132	\$ 5.028
Washington 10 Storage Path															
Washington 10 Storage	\$ 4.715	\$ 4.715	\$ 4.715	\$ 4.715	\$ 4.715								\$ 4.715		\$ 4.715
Washington 10 Supply (Chicago)	\$ 5.038	\$ 5.295			\$ 5.336								\$ 5.201		\$ 5.201
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 5.030	\$ 5.038	\$ 4.715	\$ 4.715	\$ 4.855								\$ 4.851		\$ 4.851
New Lewiston Supplies															
Lewiston		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.184		\$ 8.184
New Lewiston Supplies Total		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.184		\$ 8.184
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.884	\$ 5.247	\$ 6.614
New TGP Zone 6 Supplies Total	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.884	\$ 5.247	\$ 6.614
Lewiston LNG Plant															
LNG	\$ 6.700	\$ 6.801	\$ 8.481	\$ 8.704	\$ 8.500	\$ 8.067	\$ 7.880	\$ 7.721	\$ 7.576	\$ 7.448	\$ 7.336	\$ 7.236	\$ 8.410	\$ 7.608	\$ 8.260
LNG Plant Total	\$ 6.700	\$ 6.801	\$ 8.481	\$ 8.704	\$ 8.500	\$ 8.067	\$ 7.880	\$ 7.721	\$ 7.576	\$ 7.448	\$ 7.336	\$ 7.236	\$ 8.410	\$ 7.608	\$ 8.260
Peaking Supplies															
Peaking Supply 1			\$ 14.128										\$ 14.128		\$ 14.128
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 14.128										\$ 14.128		\$ 14.128
Total Cost per Dth	\$ 4.999	\$ 5.191	\$ 5.301	\$ 5.133	\$ 4.999	\$ 5.113	\$ 5.105	\$ 5.134	\$ 5.172	\$ 5.193	\$ 5.197	\$ 5.246	\$ 5.142	\$ 5.164	\$ 5.148

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 899,883	\$ 1,062,951	\$ 1,087,127	\$ 976,763	\$ 1,066,188	\$ 789,420	\$ 196,970	\$ 1,022	\$ -	\$ -	\$ -	\$ 499,836	\$ 5,092,913	\$ 1,487,247	\$ 6,580,160
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 899,883	\$ 1,062,951	\$ 1,087,127	\$ 976,763	\$ 1,066,188	\$ 789,420	\$ 196,970	\$ 1,022	\$ -	\$ -	\$ -	\$ 499,836	\$ 5,092,913	\$ 1,487,247	\$ 6,580,160
PNTGS Path Supplies															
PNTGS	\$ 146,389	\$ 35,669	\$ 71,355	\$ 48,297	\$ 200,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 502,150	\$ -	\$ 502,150
PNTGS Path Total	\$ 146,389	\$ 35,669	\$ 71,355	\$ 48,297	\$ 200,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 502,150	\$ -	\$ 502,150
Niagara Path Supplies															
Niagara	\$ 218,790	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,943,606	\$ -	\$ 1,943,606
Niagara Path Total	\$ 218,790	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,943,606	\$ -	\$ 1,943,606
Tennessee Production Supplies															
Tennessee Production	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,058,127	\$ 1,756,115	\$ 1,347,241	\$ 1,312,121	\$ 1,326,328	\$ 1,438,679	\$ 2,165,381	\$ 11,129,130	\$ 11,403,991	\$ 22,533,121
Tennessee Production Path Total	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,058,127	\$ 1,756,115	\$ 1,347,241	\$ 1,312,121	\$ 1,326,328	\$ 1,438,679	\$ 2,165,381	\$ 11,129,130	\$ 11,403,991	\$ 22,533,121
Tennessee Storage Path															
Tennessee Storage	\$ 13,954	\$ 79,772	\$ 432,580	\$ 390,717	\$ 432,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,349,596	\$ -	\$ 1,349,596
Tenn Zone 4 Spot	\$ 411,612	\$ 374,859	\$ -	\$ -	\$ 7	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 786,479	\$ 3,078,474	\$ 3,864,953
Tennessee Storage Path Total	\$ 425,567	\$ 454,631	\$ 432,580	\$ 390,717	\$ 432,580	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 2,136,075	\$ 3,078,474	\$ 5,214,549
Washington 10 Storage Path															
Washington 10 Storage	\$ 279,190	\$ 5,549,414	\$ 6,328,901	\$ 5,550,555	\$ 2,225,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,934,036	\$ -	\$ 19,934,036
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ 23,865	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,865	\$ -	\$ 23,865
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 279,190	\$ 5,549,414	\$ 6,328,901	\$ 5,550,555	\$ 2,249,840	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,957,901	\$ -	\$ 19,957,901
New Lewiston Supplies															
Lewiston	\$ 514,798	\$ 63,647	\$ 299,127	\$ 131,049	\$ 535,123	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,543,745	\$ -	\$ 1,543,745
New Lewiston Supplies Total	\$ 514,798	\$ 63,647	\$ 299,127	\$ 131,049	\$ 535,123	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,543,745	\$ -	\$ 1,543,745
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,486,784	\$ 543,851	\$ 1,114,114	\$ 736,804	\$ 1,715,993	\$ 364,403	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,787	\$ 5,597,546	\$ 445,190	\$ 6,042,735
New TGP Zone 6 Supplies Total	\$ 1,486,784	\$ 543,851	\$ 1,114,114	\$ 736,804	\$ 1,715,993	\$ 364,403	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,787	\$ 5,597,546	\$ 445,190	\$ 6,042,735
Lewiston LNG Plant															
LNG	\$ 9,673	\$ 10,129	\$ 246,698	\$ 67,634	\$ 12,397	\$ 11,393	\$ 11,503	\$ 10,908	\$ 11,061	\$ 10,876	\$ 10,369	\$ 10,570	\$ 346,531	\$ 76,680	\$ 423,212
LNG Plant Total	\$ 9,673	\$ 10,129	\$ 246,698	\$ 67,634	\$ 12,397	\$ 11,393	\$ 11,503	\$ 10,908	\$ 11,061	\$ 10,876	\$ 10,369	\$ 10,570	\$ 346,531	\$ 76,680	\$ 423,212
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 96,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 96,211	\$ -	\$ 96,211
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 96,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 96,211	\$ -	\$ 96,211
Total Commodity Cost	\$ 6,095,298	\$ 10,442,367	\$ 12,461,164	\$ 10,403,913	\$ 8,943,067	\$ 3,649,309	\$ 2,405,750	\$ 1,788,436	\$ 1,769,749	\$ 1,785,931	\$ 1,883,863	\$ 3,208,543	\$ 48,345,808	\$ 16,491,582	\$ 64,837,390

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	595,656	857,429	966,606	829,957	786,818	223,424	160,474	122,343	120,793	121,204	126,072	196,434	4,036,465	1,070,743	5,107,208
New Hampshire Requirement	500,029	808,083	929,451	788,192	679,297	448,036	283,209	206,032	201,985	202,977	215,475	380,152	3,705,051	1,937,866	5,642,917
Northern Requirement	1,095,685	1,665,512	1,896,056	1,618,149	1,466,115	671,459	443,683	328,375	322,778	324,181	341,547	576,586	7,741,517	3,008,609	10,750,126
Chicago Path Supplies															
Chicago	160,154	180,771	180,771	163,277	180,771	143,814	35,888	186	0	0	0	88,695	865,742	268,584	1,134,326
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	160,154	180,771	180,771	163,277	180,771	143,814	35,888	186	0	0	0	88,695	865,742	268,584	1,134,326
PNTGS Path Supplies															
PNGTS	25,257	4,818	7,994	5,542	30,692	0	0	0	0	0	0	0	74,303	0	74,303
PNGTS Path Total	25,257	4,818	7,994	5,542	30,692	0	0	0	0	0	0	0	74,303	0	74,303
Niagara Path Supplies															
Niagara	37,645	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	319,787	0	319,787
Niagara Path Total	37,645	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	319,787	0	319,787
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	381,128	324,445	247,528	239,428	240,831	260,886	390,307	1,979,397	2,084,551	4,063,948
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	381,128	324,445	247,528	239,428	240,831	260,886	390,307	1,979,397	2,084,551	4,063,948
Tennessee Storage Path															
Tennessee Storage	2,644	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	76,668	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	41,922	833,272	950,316	833,444	334,241	0	0	0	0	0	0	0	2,993,196	0	2,993,196
Washington 10 Supply (Chicago)	0	0	0	0	3,297	0	0	0	0	0	0	0	3,297	0	3,297
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	41,922	833,272	950,316	833,444	337,538	0	0	0	0	0	0	0	2,996,493	0	2,996,493
New Lewiston Supplies															
Lewiston	88,575	8,586	33,493	15,027	81,773	0	0	0	0	0	0	0	227,454	0	227,454
New Lewiston Supplies Total	88,575	8,586	33,493	15,027	81,773	0	0	0	0	0	0	0	227,454	0	227,454
New TGP Zone 6 Supplies															
TGP Zone 6	268,213	76,064	128,454	87,067	273,340	65,857	0	0	0	0	0	14,234	833,138	80,090	913,228
New TGP Zone 6 Supplies Total	268,213	76,064	128,454	87,067	273,340	65,857	0	0	0	0	0	14,234	833,138	80,090	913,228
Lewiston LNG Plant															
LNG	1,350	1,395	27,805	7,440	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	39,385	9,630	49,015
LNG Plant Total	1,350	1,395	27,805	7,440	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	39,385	9,630	49,015
Peaking Supplies															
Peaking Supply 1	0	0	6,618	0	0	0	0	0	0	0	0	0	6,618	0	6,618
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	6,618	0	0	0	0	0	0	0	0	0	6,618	0	6,618
Northern Requirement	1,095,685	1,665,512	1,896,056	1,618,149	1,466,115	671,459	443,683	328,375	322,778	324,181	341,547	576,586	7,741,517	3,008,609	10,750,126
Total Delivered (Dth)	1,095,685	1,665,512	1,896,057	1,618,149	1,466,115	671,460	443,683	328,375	322,778	324,181	341,547	576,586	7,741,518	3,008,610	10,750,128

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 5.619	\$ 5.880	\$ 6.014	\$ 5.982	\$ 5.898	\$ 5.489	\$ 5.488	\$ 5.502				\$ 5.635	\$ 5.883	\$ 5.537	\$ 5.801
Chicago Path Total	\$ 5.619	\$ 5.880	\$ 6.014	\$ 5.982	\$ 5.898	\$ 5.489	\$ 5.488	\$ 5.502				\$ 5.635	\$ 5.883	\$ 5.537	\$ 5.801
PNTGS Path Supplies															
PNGTS	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 6.758		\$ 6.758
PNGTS Path Total	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 6.758		\$ 6.758
Niagara Path Supplies															
Niagara	\$ 5.812	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.078		\$ 6.078
Niagara Path Total	\$ 5.812	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.078		\$ 6.078
Tennessee Production Supplies															
Tennessee Production	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.471	\$ 5.545
Tennessee Production Path Total	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.471	\$ 5.545
Tennessee Storage Path															
Tennessee Storage	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278								\$ 5.278		\$ 5.278
Tenn Zone 4 Spot	\$ 5.369	\$ 5.608			\$ 5.625	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.480	\$ 5.441	\$ 5.449
Tennessee Storage Path Total	\$ 5.366	\$ 5.547	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.351	\$ 5.441	\$ 5.404
Washington 10 Storage Path															
Washington 10 Storage	\$ 6.660	\$ 6.660	\$ 6.660	\$ 6.660	\$ 6.660								\$ 6.660		\$ 6.660
Washington 10 Supply (Chicago)					\$ 7.239								\$ 7.239		\$ 7.239
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 6.660	\$ 6.660	\$ 6.660	\$ 6.660	\$ 6.665								\$ 6.660		\$ 6.660
New Lewiston Supplies															
Lewiston	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 6.787		\$ 6.787
New Lewiston Supplies Total	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 6.787		\$ 6.787
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.719	\$ 5.559	\$ 6.617
New TGP Zone 6 Supplies Total	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.719	\$ 5.559	\$ 6.617
Lewiston LNG Plant															
LNG	\$ 7.165	\$ 7.261	\$ 8.872	\$ 9.091	\$ 8.887	\$ 8.439	\$ 8.246	\$ 8.080	\$ 7.929	\$ 7.796	\$ 7.681	\$ 7.577	\$ 8.799	\$ 7.963	\$ 8.634
LNG Plant Total	\$ 7.165	\$ 7.261	\$ 8.872	\$ 9.091	\$ 8.887	\$ 8.439	\$ 8.246	\$ 8.080	\$ 7.929	\$ 7.796	\$ 7.681	\$ 7.577	\$ 8.799	\$ 7.963	\$ 8.634
Peaking Supplies															
Peaking Supply 1			\$ 14.538										\$ 14.538		\$ 14.538
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 14.538										\$ 14.538		\$ 14.538
Total Cost per Dth	\$ 5.563	\$ 6.270	\$ 6.572	\$ 6.430	\$ 6.100	\$ 5.435	\$ 5.422	\$ 5.446	\$ 5.483	\$ 5.509	\$ 5.516	\$ 5.565	\$ 6.245	\$ 5.481	\$ 6.031

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 960,346	\$ 1,118,156	\$ 1,140,808	\$ 1,025,077	\$ 1,119,298	\$ 847,656	\$ 271,203	\$ 7,045	\$ -	\$ -	\$ -	\$ 568,268	\$ 5,363,685	\$ 1,694,171	\$ 7,057,856
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 960,346	\$ 1,118,156	\$ 1,140,808	\$ 1,025,077	\$ 1,119,298	\$ 847,656	\$ 271,203	\$ 7,045	\$ -	\$ -	\$ -	\$ 568,268	\$ 5,363,685	\$ 1,694,171	\$ 7,057,856
PNTGS Path Supplies															
PNTGS	\$ 180,421	\$ 50,601	\$ 111,039	\$ 78,899	\$ 214,433	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 635,394	\$ -	\$ 635,394
PNTGS Path Total	\$ 180,421	\$ 50,601	\$ 111,039	\$ 78,899	\$ 214,433	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 635,394	\$ -	\$ 635,394
Niagara Path Supplies															
Niagara	\$ 271,619	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,077,027	\$ -	\$ 2,077,027
Niagara Path Total	\$ 271,619	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,077,027	\$ -	\$ 2,077,027
Tennessee Production Supplies															
Tennessee Production	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,165,998	\$ 1,868,915	\$ 1,474,811	\$ 1,442,940	\$ 1,458,648	\$ 1,580,236	\$ 2,291,465	\$ 11,718,763	\$ 12,283,012	\$ 24,001,776
Tennessee Production Path Total	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,165,998	\$ 1,868,915	\$ 1,474,811	\$ 1,442,940	\$ 1,458,648	\$ 1,580,236	\$ 2,291,465	\$ 11,718,763	\$ 12,283,012	\$ 24,001,776
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,654	\$ 459,053	\$ 414,628	\$ 459,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,417,380	\$ -	\$ 1,417,380
Tenn Zone 4 Spot	\$ 449,858	\$ 394,520	\$ -	\$ -	\$ 8	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 844,386	\$ 3,225,376	\$ 4,069,762
Tennessee Storage Path Total	\$ 449,858	\$ 479,173	\$ 459,053	\$ 414,628	\$ 459,053	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 2,261,766	\$ 3,225,376	\$ 5,487,142
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 6,016,316	\$ 6,731,376	\$ 5,893,406	\$ 2,267,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,908,389	\$ -	\$ 20,908,389
Washington 10 Supply (Chicago)	\$ 414,338	\$ -	\$ -	\$ 80,667	\$ 57,661	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 552,667	\$ -	\$ 552,667
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 414,338	\$ 6,016,316	\$ 6,731,376	\$ 5,974,073	\$ 2,324,954	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,461,056	\$ -	\$ 21,461,056
New Lewiston Supplies															
Lewiston	\$ 589,509	\$ 148,839	\$ 355,422	\$ 220,274	\$ 905,870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,219,914	\$ -	\$ 2,219,914
New Lewiston Supplies Total	\$ 589,509	\$ 148,839	\$ 355,422	\$ 220,274	\$ 905,870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,219,914	\$ -	\$ 2,219,914
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,571,358	\$ 674,193	\$ 1,376,096	\$ 897,182	\$ 1,807,175	\$ 496,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 143,967	\$ 6,326,005	\$ 640,659	\$ 6,966,664
New TGP Zone 6 Supplies Total	\$ 1,571,358	\$ 674,193	\$ 1,376,096	\$ 897,182	\$ 1,807,175	\$ 496,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 143,967	\$ 6,326,005	\$ 640,659	\$ 6,966,664
Lewiston LNG Plant															
LNG	\$ 10,128	\$ 14,682	\$ 315,355	\$ 117,888	\$ 12,950	\$ 11,892	\$ 12,002	\$ 11,377	\$ 11,533	\$ 11,337	\$ 10,806	\$ 11,012	\$ 471,003	\$ 79,958	\$ 550,961
LNG Plant Total	\$ 10,128	\$ 14,682	\$ 315,355	\$ 117,888	\$ 12,950	\$ 11,892	\$ 12,002	\$ 11,377	\$ 11,533	\$ 11,337	\$ 10,806	\$ 11,012	\$ 471,003	\$ 79,958	\$ 550,961
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 238,556	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 238,556	\$ -	\$ 238,556
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 238,556	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 238,556	\$ -	\$ 238,556
Total Commodity Cost	\$ 6,684,178	\$ 11,367,838	\$ 13,652,593	\$ 11,355,973	\$ 9,712,587	\$ 3,968,637	\$ 2,614,230	\$ 1,943,011	\$ 1,922,319	\$ 1,940,158	\$ 2,046,612	\$ 3,488,209	\$ 52,773,170	\$ 17,923,176	\$ 70,696,346

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	613,755	883,482	995,976	855,175	810,726	229,629	164,931	125,740	124,147	124,570	129,573	201,889	4,159,114	1,100,479	5,259,594
New Hampshire Requirement	518,298	837,607	963,409	816,989	704,115	466,489	294,874	214,518	210,305	211,337	224,350	395,810	3,840,417	2,017,683	5,858,100
Northern Requirement	1,132,053	1,721,089	1,959,385	1,672,164	1,514,841	696,118	459,805	340,259	334,452	335,907	353,923	597,699	7,999,532	3,118,162	11,117,694
Chicago Path Supplies															
Chicago	161,867	180,771	180,771	163,277	180,771	147,261	47,120	1,221	0	0	0	96,198	867,455	291,801	1,159,256
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	161,867	180,771	180,771	163,277	180,771	147,261	47,120	1,221	0	0	0	96,198	867,455	291,801	1,159,256
PNTGS Path Supplies															
PNGTS	29,596	6,577	12,058	8,769	31,485	0	0	0	0	0	0	0	88,485	0	88,485
PNGTS Path Total	29,596	6,577	12,058	8,769	31,485	0	0	0	0	0	0	0	88,485	0	88,485
Niagara Path Supplies															
Niagara	44,421	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	326,563	0	326,563
Niagara Path Total	44,421	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	326,563	0	326,563
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	382,384	329,335	258,375	251,102	252,557	273,262	393,896	1,979,397	2,140,910	4,120,307
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	382,384	329,335	258,375	251,102	252,557	273,262	393,896	1,979,397	2,140,910	4,120,307
Tennessee Storage Path															
Tennessee Storage	0	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	146,155	565,755	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	0	861,282	963,648	843,686	324,580	0	0	0	0	0	0	0	2,993,196	0	2,993,196
Washington 10 Supply (Chicago)	56,869	0	0	10,602	7,663	0	0	0	0	0	0	0	75,133	0	75,133
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	56,869	861,282	963,648	854,288	332,243	0	0	0	0	0	0	0	3,068,329	0	3,068,329
New Lewiston Supplies															
Lewiston	96,467	19,322	38,578	24,469	132,767	0	0	0	0	0	0	0	311,604	0	311,604
New Lewiston Supplies Total	96,467	19,322	38,578	24,469	132,767	0	0	0	0	0	0	0	311,604	0	311,604
New TGP Zone 6 Supplies															
TGP Zone 6	268,914	90,606	153,647	102,600	275,574	85,812	0	0	0	0	0	24,255	891,341	110,066	1,001,407
New TGP Zone 6 Supplies Total	268,914	90,606	153,647	102,600	275,574	85,812	0	0	0	0	0	24,255	891,341	110,066	1,001,407
Lewiston LNG Plant															
LNG	1,350	1,926	33,982	12,408	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	51,061	9,630	60,691
LNG Plant Total	1,350	1,926	33,982	12,408	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	51,061	9,630	60,691
Peaking Supplies															
Peaking Supply 1	0	0	16,096	0	0	0	0	0	0	0	0	0	16,096	0	16,096
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	16,096	0	0	0	0	0	0	0	0	0	16,096	0	16,096
Northern Requirement	1,132,053	1,721,089	1,959,385	1,672,164	1,514,841	696,118	459,805	340,259	334,452	335,907	353,923	597,699	7,999,532	3,118,162	11,117,694
Total Delivered (Dth)	1,132,053	1,721,089	1,959,385	1,672,164	1,514,841	696,118	459,805	340,258	334,452	335,907	353,923	597,699	7,999,532	3,118,162	11,117,694

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 5.933	\$ 6.185	\$ 6.311	\$ 6.278	\$ 6.192	\$ 5.756	\$ 5.756	\$ 5.769				\$ 5.907	\$ 6.183	\$ 5.806	\$ 6.088
Chicago Path Total	\$ 5.933	\$ 6.185	\$ 6.311	\$ 6.278	\$ 6.192	\$ 5.756	\$ 5.756	\$ 5.769				\$ 5.907	\$ 6.183	\$ 5.806	\$ 6.088
PNTGS Path Supplies															
PNGTS	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.181		\$ 7.181
PNGTS Path Total	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.181		\$ 7.181
Niagara Path Supplies															
Niagara	\$ 6.115	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.360		\$ 6.360
Niagara Path Total	\$ 6.115	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.360		\$ 6.360
Tennessee Production Supplies															
Tennessee Production	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.737	\$ 5.825
Tennessee Production Path Total	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.737	\$ 5.825
Tennessee Storage Path															
Tennessee Storage Tenn Zone 4 Spot	\$ 5.672	\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.601	\$ 5.701	\$ 5.601
Tennessee Storage Path Total	\$ 5.672	\$ 5.902	\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.777	\$ 5.701	\$ 5.717
Washington 10 Storage Path															
Washington 10 Storage Washington 10 Supply (Chicago) W10 AMA Spot (PNGTS)	\$ 7.286	\$ 6.985	\$ 6.985	\$ 6.985	\$ 6.985	\$ 7.609	\$ 7.525						\$ 6.985	\$ 7.356	\$ 6.985
W10 Path Total	\$ 7.286	\$ 6.985	\$ 6.985	\$ 6.993	\$ 6.998								\$ 6.994		\$ 6.994
New Lewiston Supplies															
Lewiston	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.124		\$ 7.124
New Lewiston Supplies Total	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.124		\$ 7.124
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.097	\$ 5.821	\$ 6.957
New TGP Zone 6 Supplies Total	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.097	\$ 5.821	\$ 6.957
Lewiston LNG Plant															
LNG	\$ 7.502	\$ 7.622	\$ 9.280	\$ 9.501	\$ 9.283	\$ 8.809	\$ 8.604	\$ 8.428	\$ 8.268	\$ 8.127	\$ 8.004	\$ 7.894	\$ 9.224	\$ 8.303	\$ 9.078
LNG Plant Total	\$ 7.502	\$ 7.622	\$ 9.280	\$ 9.501	\$ 9.283	\$ 8.809	\$ 8.604	\$ 8.428	\$ 8.268	\$ 8.127	\$ 8.004	\$ 7.894	\$ 9.224	\$ 8.303	\$ 9.078
Peaking Supplies															
Peaking Supply 1 Peaking Supply 2 Peaking Supply 3			\$ 14.821										\$ 14.821		\$ 14.821
Peaking Supply Total			\$ 14.821										\$ 14.821		\$ 14.821
Total Cost per Dth	\$ 5.904	\$ 6.605	\$ 6.968	\$ 6.791	\$ 6.412	\$ 5.701	\$ 5.686	\$ 5.710	\$ 5.748	\$ 5.776	\$ 5.783	\$ 5.836	\$ 6.597	\$ 5.748	\$ 6.359

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 982,285	\$ 1,167,078	\$ 1,190,111	\$ 1,107,810	\$ 1,168,601	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,615,885	\$ -	\$ 5,615,885
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,928	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,928	\$ 11,928
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 982,285	\$ 1,167,078	\$ 1,190,111	\$ 1,107,810	\$ 1,168,601	\$ 11,928	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,615,885	\$ 11,928	\$ 5,627,813
PNTGS Path Supplies															
PNGTS	\$ 153,943	\$ 52,297	\$ 113,563	\$ 53,291	\$ 217,010	\$ 6,775	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 590,104	\$ 6,775	\$ 596,879
PNGTS Path Total	\$ 153,943	\$ 52,297	\$ 113,563	\$ 53,291	\$ 217,010	\$ 6,775	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 590,104	\$ 6,775	\$ 596,879
Niagara Path Supplies															
Niagara	\$ 239,319	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 51,883	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,981	\$ 2,133,939	\$ 56,865	\$ 2,190,804
Niagara Path Total	\$ 239,319	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 51,883	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,981	\$ 2,133,939	\$ 56,865	\$ 2,190,804
Tennessee Production Supplies															
Tennessee Production	\$ 2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$ 2,267,582	\$ 1,980,802	\$ 1,608,586	\$ 1,566,620	\$ 1,583,819	\$ 1,714,450	\$ 2,412,915	\$ 12,334,273	\$ 13,134,775	\$ 25,469,048
Tennessee Production Path Total	\$ 2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$ 2,267,582	\$ 1,980,802	\$ 1,608,586	\$ 1,566,620	\$ 1,583,819	\$ 1,714,450	\$ 2,412,915	\$ 12,334,273	\$ 13,134,775	\$ 25,469,048
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 73,230	\$ 481,300	\$ 450,249	\$ 481,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,486,071	\$ -	\$ 1,486,071
Tenn Zone 4 Spot	\$ 470,773	\$ 428,236	\$ -	\$ -	\$ 8	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 899,018	\$ 3,364,582	\$ 4,263,600
Tennessee Storage Path Total	\$ 470,773	\$ 501,467	\$ 481,300	\$ 450,249	\$ 481,301	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 2,385,089	\$ 3,364,582	\$ 5,749,671
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 6,422,386	\$ 7,073,891	\$ 6,169,358	\$ 2,059,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,725,529	\$ -	\$ 21,725,529
Washington 10 Supply (Chicago)	\$ 359,956	\$ -	\$ -	\$ 250,446	\$ 125,871	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 736,273	\$ -	\$ 736,273
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 359,956	\$ 6,422,386	\$ 7,073,891	\$ 6,419,804	\$ 2,185,764	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,461,802	\$ -	\$ 22,461,802
New Lewiston Supplies															
Lewiston	\$ 569,440	\$ 150,284	\$ 359,391	\$ 121,562	\$ 1,028,074	\$ 371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,228,751	\$ 371	\$ 2,229,122
New Lewiston Supplies Total	\$ 569,440	\$ 150,284	\$ 359,391	\$ 121,562	\$ 1,028,074	\$ 371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,228,751	\$ 371	\$ 2,229,122
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 2,057,659	\$ 943,472	\$ 1,885,673	\$ 1,121,121	\$ 2,348,817	\$ 1,457,792	\$ 339,681	\$ -	\$ -	\$ -	\$ -	\$ 836,064	\$ 8,356,742	\$ 2,633,537	\$ 10,990,279
New TGP Zone 6 Supplies Total	\$ 2,057,659	\$ 943,472	\$ 1,885,673	\$ 1,121,121	\$ 2,348,817	\$ 1,457,792	\$ 339,681	\$ -	\$ -	\$ -	\$ -	\$ 836,064	\$ 8,356,742	\$ 2,633,537	\$ 10,990,279
Lewiston LNG Plant															
LNG	\$ 10,548	\$ 15,434	\$ 305,448	\$ 67,606	\$ 13,226	\$ 12,169	\$ 12,294	\$ 11,664	\$ 11,833	\$ 11,640	\$ 11,103	\$ 11,456	\$ 412,262	\$ 82,159	\$ 494,421
LNG Plant Total	\$ 10,548	\$ 15,434	\$ 305,448	\$ 67,606	\$ 13,226	\$ 12,169	\$ 12,294	\$ 11,664	\$ 11,833	\$ 11,640	\$ 11,103	\$ 11,456	\$ 412,262	\$ 82,159	\$ 494,421
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 295,038	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 295,038	\$ -	\$ 295,038
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 295,038	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 295,038	\$ -	\$ 295,038
Total Commodity Cost	\$ 7,186,938	\$ 12,245,737	\$ 14,757,736	\$ 12,183,394	\$ 10,440,080	\$ 4,274,125	\$ 2,814,921	\$ 2,089,415	\$ 2,066,249	\$ 2,085,749	\$ 2,200,670	\$ 3,759,862	\$ 56,813,886	\$ 19,290,992	\$ 76,104,877

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	631,490	909,011	1,024,756	879,886	834,152	234,959	168,759	128,659	127,029	127,462	132,581	206,575	4,279,294	1,126,024	5,405,318
New Hampshire Requirement	536,578	867,149	997,388	845,804	728,949	482,692	305,116	221,969	217,609	218,678	232,143	409,558	3,975,867	2,087,765	6,063,633
Northern Requirement	1,168,068	1,776,160	2,022,143	1,725,690	1,563,101	717,651	473,875	350,628	344,638	346,139	364,723	616,133	8,255,162	3,213,789	11,468,951
Chicago Path Supplies															
Chicago	158,270	180,771	180,771	169,108	180,771	0	0	0	0	0	0	0	869,690	0	869,690
Dawn	0	0	0	0	0	1,935	0	0	0	0	0	0	0	1,935	1,935
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	158,270	180,771	180,771	169,108	180,771	1,935	0	0	0	0	0	0	869,690	1,935	871,625
PNTGS Path Supplies															
PNGTS	24,216	6,577	11,993	5,757	30,692	1,096	0	0	0	0	0	0	79,235	1,096	80,331
PNGTS Path Total	24,216	6,577	11,993	5,757	30,692	1,096	0	0	0	0	0	0	79,235	1,096	80,331
Niagara Path Supplies															
Niagara	37,536	72,284	72,284	67,621	72,284	8,583	0	0	0	0	0	803	322,009	9,386	331,395
Niagara Path Total	37,536	72,284	72,284	67,621	72,284	8,583	0	0	0	0	0	803	322,009	9,386	331,395
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	383,479	334,287	269,967	261,288	262,790	284,063	396,881	1,992,506	2,192,754	4,185,260
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	383,479	334,287	269,967	261,288	262,790	284,063	396,881	1,992,506	2,192,754	4,185,260
Tennessee Storage Path															
Tennessee Storage	0	12,470	81,955	76,668	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	69,486	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	148,798	565,755	714,553
Tennessee Storage Path Total	79,311	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	401,845	565,755	967,599
Washington 10 Storage Path															
Washington 10 Storage	0	884,833	974,593	849,972	283,798	0	0	0	0	0	0	0	2,993,196	0	2,993,196
Washington 10 Supply (Chicago)	47,661	0	0	31,805	16,157	0	0	0	0	0	0	0	95,624	0	95,624
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	47,661	884,833	974,593	881,778	299,956	0	0	0	0	0	0	0	3,088,820	0	3,088,820
New Lewiston Supplies															
Lewiston	89,380	18,880	37,942	13,126	145,167	60	0	0	0	0	0	0	304,496	60	304,556
New Lewiston Supplies Total	89,380	18,880	37,942	13,126	145,167	60	0	0	0	0	0	0	304,496	60	304,556
New TGP Zone 6 Supplies															
TGP Zone 6	337,086	122,547	204,605	124,508	344,515	241,837	56,238	0	0	0	0	135,098	1,133,261	433,174	1,566,435
New TGP Zone 6 Supplies Total	337,086	122,547	204,605	124,508	344,515	241,837	56,238	0	0	0	0	135,098	1,133,261	433,174	1,566,435
Lewiston LNG Plant															
LNG	1,350	1,947	32,070	6,976	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	43,738	9,630	53,368
LNG Plant Total	1,350	1,947	32,070	6,976	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	43,738	9,630	53,368
Peaking Supplies															
Peaking Supply 1	0	0	19,564	0	0	0	0	0	0	0	0	0	19,564	0	19,564
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	19,564	0	0	0	0	0	0	0	0	0	19,564	0	19,564
Northern Requirement	1,168,068	1,776,160	2,022,143	1,725,690	1,563,101	717,651	473,875	350,628	344,638	346,139	364,723	616,133	8,255,162	3,213,789	11,468,951
Total Delivered (Dth)	1,168,068	1,776,160	2,022,144	1,725,690	1,563,101	717,651	473,875	350,628	344,638	346,140	364,724	616,133	8,255,163	3,213,789	11,468,952

Northern Utilities, Inc. High Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 6.206	\$ 6.456	\$ 6.584	\$ 6.551	\$ 6.465	\$ 6.165							\$ 6.457	\$ 6.165	\$ 6.457
Dawn															\$ 6.165
Iroquois Receipts															\$ 6.165
Wright															\$ 6.165
Chicago Path Total	\$ 6.206	\$ 6.456	\$ 6.584	\$ 6.551	\$ 6.465	\$ 6.165							\$ 6.457	\$ 6.165	\$ 6.457
PNTGS Path Supplies															
PNGTS	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071	\$ 6.180							\$ 7.448	\$ 6.180	\$ 7.430
PNGTS Path Total	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071	\$ 6.180							\$ 7.448	\$ 6.180	\$ 7.430
Niagara Path Supplies															
Niagara	\$ 6.376	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.045						\$ 6.201	\$ 6.627	\$ 6.059	\$ 6.611
Niagara Path Total	\$ 6.376	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.045						\$ 6.201	\$ 6.627	\$ 6.059	\$ 6.611
Tennessee Production Supplies															
Tennessee Production	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.990	\$ 6.085
Tennessee Production Path Total	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.990	\$ 6.085
Tennessee Storage Path															
Tennessee Storage		\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.873							\$ 5.873		\$ 5.873
Tenn Zone 4 Spot	\$ 5.936	\$ 6.163				\$ 6.171	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 6.042	\$ 5.947	\$ 5.967
Tennessee Storage Path Total	\$ 5.936	\$ 6.119	\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.871	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 5.935	\$ 5.947	\$ 5.942
Washington 10 Storage Path															
Washington 10 Storage		\$ 7.258	\$ 7.258	\$ 7.258	\$ 7.258								\$ 7.258		\$ 7.258
Washington 10 Supply (Chicago)	\$ 7.552			\$ 7.874	\$ 7.790								\$ 7.700		\$ 7.700
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 7.552	\$ 7.258	\$ 7.258	\$ 7.281	\$ 7.287								\$ 7.272		\$ 7.272
New Lewiston Supplies															
Lewiston	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082	\$ 6.195							\$ 7.319	\$ 6.195	\$ 7.319
New Lewiston Supplies Total	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082	\$ 6.195							\$ 7.319	\$ 6.195	\$ 7.319
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.374	\$ 6.080	\$ 7.016
New TGP Zone 6 Supplies Total	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.374	\$ 6.080	\$ 7.016
Lewiston LNG Plant															
LNG	\$ 7.813	\$ 7.928	\$ 9.524	\$ 9.691	\$ 9.481	\$ 9.014	\$ 8.813	\$ 8.640	\$ 8.483	\$ 8.344	\$ 8.224	\$ 8.212	\$ 9.426	\$ 8.532	\$ 9.264
LNG Plant Total	\$ 7.813	\$ 7.928	\$ 9.524	\$ 9.691	\$ 9.481	\$ 9.014	\$ 8.813	\$ 8.640	\$ 8.483	\$ 8.344	\$ 8.224	\$ 8.212	\$ 9.426	\$ 8.532	\$ 9.264
Peaking Supplies															
Peaking Supply 1			\$ 15.081										\$ 15.081		\$ 15.081
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 15.081										\$ 15.081		\$ 15.081
Total Cost per Dth	\$ 6.153	\$ 6.895	\$ 7.298	\$ 7.060	\$ 6.679	\$ 5.956	\$ 5.940	\$ 5.959	\$ 5.995	\$ 6.026	\$ 6.034	\$ 6.102	\$ 6.882	\$ 6.003	\$ 6.636

Appendix VI-6(5). Low Case Design Commodity Costs

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 756,602	\$ 861,361	\$ 881,539	\$ 796,977	\$ 693,140	\$ 621,687	\$ 93,830	\$ -	\$ -	\$ -	\$ -	\$ 341,128	\$ 3,989,620	\$ 1,056,645	\$ 5,046,265
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 756,602	\$ 861,361	\$ 881,539	\$ 796,977	\$ 693,140	\$ 621,687	\$ 93,830	\$ -	\$ -	\$ -	\$ -	\$ 341,128	\$ 3,989,620	\$ 1,056,645	\$ 5,046,265
PNTGS Path Supplies															
PNGTS	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 28,006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,591	\$ 940,415	\$ 31,596	\$ 972,011
PNGTS Path Total	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 28,006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,591	\$ 940,415	\$ 31,596	\$ 972,011
Niagara Path Supplies															
Niagara	\$ -	\$ 128,916	\$ 339,205	\$ 205,599	\$ 143,155	\$ 138,477	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,081	\$ 816,875	\$ 163,558	\$ 980,433
Niagara Path Total	\$ -	\$ 128,916	\$ 339,205	\$ 205,599	\$ 143,155	\$ 138,477	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,081	\$ 816,875	\$ 163,558	\$ 980,433
Tennessee Production Supplies															
Tennessee Production	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,729,306	\$1,429,638	\$1,036,634	\$1,007,427	\$1,019,124	\$1,113,741	\$1,811,770	\$ 9,030,568	\$ 9,147,639	\$ 18,178,207
Tennessee Production Path Total	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,729,306	\$1,429,638	\$1,036,634	\$1,007,427	\$1,019,124	\$1,113,741	\$1,811,770	\$ 9,030,568	\$ 9,147,639	\$ 18,178,207
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ -	\$ 394,772	\$ 369,302	\$ 394,772	\$ 72,793	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,158,846	\$ 72,793	\$ 1,231,639
Tenn Zone 4 Spot	\$ 340,858	\$ 371,588	\$ -	\$ -	\$ -	\$ 293,037	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 712,447	\$ 2,567,034	\$ 3,279,481
Tennessee Storage Path Total	\$ 340,858	\$ 371,588	\$ 394,772	\$ 369,302	\$ 394,772	\$ 365,830	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 1,871,293	\$ 2,639,827	\$ 4,511,120
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 3,727,570	\$ 4,390,342	\$3,869,446	\$2,697,301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,684,659	\$ -	\$ 14,684,659
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 AMA Spot (PNGTS)	\$1,382,162	\$ -	\$ -	\$ -	\$ 447,595	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,829,757	\$ -	\$ 1,829,757
W10 Path Total	\$1,382,162	\$ 3,727,570	\$ 4,390,342	\$3,869,446	\$3,144,896	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,514,416	\$ -	\$ 16,514,416
New Lewiston Supplies															
Lewiston	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 23,370	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,202,549	\$ 23,370	\$ 5,225,919
New Lewiston Supplies Total	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 23,370	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,202,549	\$ 23,370	\$ 5,225,919
New TGP Zone 6 Supplies															
TGP Zone 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New TGP Zone 6 Supplies Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lewiston LNG Plant															
LNG	\$ 8,303	\$ 230,142	\$ 326,683	\$ 331,825	\$ 11,286	\$ 10,318	\$ 10,395	\$ 9,839	\$ 9,961	\$ 9,779	\$ 9,310	\$ 9,604	\$ 908,240	\$ 69,205	\$ 977,445
LNG Plant Total	\$ 8,303	\$ 230,142	\$ 326,683	\$ 331,825	\$ 11,286	\$ 10,318	\$ 10,395	\$ 9,839	\$ 9,961	\$ 9,779	\$ 9,310	\$ 9,604	\$ 908,240	\$ 69,205	\$ 977,445
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 76,961	\$ 592,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 669,731	\$ -	\$ 669,731
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ 151,305	\$ 1,095,550	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,246,855	\$ -	\$ 1,246,855
Peaking Supply Total	\$ -	\$ 228,267	\$ 1,688,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,916,587	\$ -	\$ 1,916,587
Total Commodity Cost	\$5,334,563	\$ 8,634,863	\$11,174,069	\$8,524,094	\$7,522,973	\$2,916,993	\$1,910,273	\$1,413,797	\$1,400,613	\$1,414,123	\$1,496,489	\$2,579,553	\$ 41,190,562	\$ 13,131,841	\$ 54,322,403

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	611,343	889,081	1,026,884	872,911	810,422	214,194	151,885	114,474	112,738	113,144	118,153	187,360	4,210,641	1,011,949	5,222,590
New Hampshire Requirement	517,136	845,468	1,000,970	833,578	702,972	417,954	262,220	189,541	185,558	186,494	198,454	353,719	3,900,125	1,793,940	5,694,066
Northern Requirement	1,128,479	1,734,549	2,027,854	1,706,489	1,513,394	632,149	414,105	304,016	298,295	299,637	316,607	541,079	8,110,766	2,805,889	10,916,655
Chicago Path Supplies															
Chicago	167,846	180,896	180,896	163,493	143,152	133,644	20,112	0	0	0	0	70,627	836,283	224,383	1,060,666
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	167,846	180,896	180,896	163,493	143,152	133,644	20,112	0	0	0	0	70,627	836,283	224,383	1,060,666
PNTGS Path Supplies															
PNGTS	29,895	30,892	30,892	28,899	30,892	5,730	0	0	0	0	0	710	151,468	6,439	157,907
PNGTS Path Total	29,895	30,892	30,892	28,899	30,892	5,730	0	0	0	0	0	710	151,468	6,439	157,907
Niagara Path Supplies															
Niagara	0	25,881	66,654	40,385	28,316	29,164	0	0	0	0	0	5,097	161,235	34,261	195,496
Niagara Path Total	0	25,881	66,654	40,385	28,316	29,164	0	0	0	0	0	5,097	161,235	34,261	195,496
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	378,186	310,643	223,354	214,946	216,288	235,946	381,296	1,992,506	1,960,658	3,953,163
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	378,186	310,643	223,354	214,946	216,288	235,946	381,296	1,992,506	1,960,658	3,953,163
Tennessee Storage Path															
Tennessee Storage	0	0	81,955	76,668	81,955	15,112	0	0	0	0	0	0	240,578	15,112	255,690
Tenn Zone 4 Spot	79,311	81,955	0	0	0	64,199	81,955	79,311	81,955	81,955	79,311	81,955	161,267	550,643	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	401,845	565,755	967,599
Washington 10 Storage Path															
Washington 10 Storage	0	787,534	927,560	817,509	569,866	0	0	0	0	0	0	0	3,102,469	0	3,102,469
Washington 10 Supply (Chicago)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 AMA Spot (PNGTS)	291,819	0	0	0	80,952	0	0	0	0	0	0	0	372,771	0	372,771
W10 Path Total	291,819	787,534	927,560	817,509	650,818	0	0	0	0	0	0	0	3,475,240	0	3,475,240
New Lewiston Supplies															
Lewiston	165,000	170,500	170,500	159,500	170,500	4,763	0	0	0	0	0	0	836,000	4,763	840,763
New Lewiston Supplies Total	165,000	170,500	170,500	159,500	170,500	4,763	0	0	0	0	0	0	836,000	4,763	840,763
New Lewiston Supplies															
TGP Zone 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Lewiston Supplies Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewiston LNG Plant															
LNG	1,350	33,795	40,193	39,887	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	116,620	9,630	126,250
LNG Plant Total	1,350	33,795	40,193	39,887	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	116,620	9,630	126,250
Peaking Supplies															
Peaking Supply 1	0	5,766	44,059	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	10,964	78,779	0	0	0	0	0	0	0	0	0	89,743	0	89,743
Peaking Supply Total	0	16,730	122,838	0	0	0	0	0	0	0	0	0	139,568	0	139,568
Northern Requirement	1,128,479	1,734,549	2,027,854	1,706,489	1,513,394	632,149	414,105	304,016	298,295	299,637	316,607	541,079	8,110,766	2,805,889	10,916,655
Total Delivered (Dth)	1,128,479	1,734,549	2,027,854	1,706,489	1,513,394	632,148	414,105	304,015	298,296	299,638	316,607	541,079	8,110,765	2,805,888	10,916,653

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 4.508	\$ 4.762	\$ 4.873	\$ 4.875	\$ 4.842	\$ 4.652	\$ 4.665					\$ 4.830	\$ 4.771	\$ 4.709	\$ 4.758
Chicago Path Total	\$ 4.508	\$ 4.762	\$ 4.873	\$ 4.875	\$ 4.842	\$ 4.652	\$ 4.665					\$ 4.830	\$ 4.771	\$ 4.709	\$ 4.758
PNTGS Path Supplies															
PNGTS	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.907	\$ 6.156
PNGTS Path Total	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.907	\$ 6.156
Niagara Path Supplies															
Niagara		\$ 4.981	\$ 5.089	\$ 5.091	\$ 5.056	\$ 4.748						\$ 4.921	\$ 5.066	\$ 4.774	\$ 5.015
Niagara Path Total		\$ 4.981	\$ 5.089	\$ 5.091	\$ 5.056	\$ 4.748						\$ 4.921	\$ 5.066	\$ 4.774	\$ 5.015
Tennessee Production Supplies															
Tennessee Production	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.598
Tennessee Production Path Total	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.598
Tennessee Storage Path															
Tennessee Storage Tenn Zone 4 Spot	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.564	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.739	\$ 4.817	\$ 4.817	\$ 4.817
Tennessee Storage Path Total	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.613	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.708	\$ 4.739	\$ 4.657	\$ 4.666	\$ 4.662
Washington 10 Storage Path															
Washington 10 Storage Washington 10 Supply (Chicago) W10 AMA Spot (PNGTS)	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 4.733	\$ 5.529							\$ 4.733		\$ 4.733
W10 Path Total	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 4.832								\$ 4.909		\$ 4.909
New Lewiston Supplies															
Lewiston	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907							\$ 6.223	\$ 4.907	\$ 6.216
New Lewiston Supplies Total	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907							\$ 6.223	\$ 4.907	\$ 6.216
New Lewiston Supplies															
TGP Zone 6 New Lewiston Supplies Total															
Lewiston LNG Plant															
LNG	\$ 6.150	\$ 6.810	\$ 8.128	\$ 8.319	\$ 8.090	\$ 7.643	\$ 7.451	\$ 7.288	\$ 7.140	\$ 7.010	\$ 6.897	\$ 6.885	\$ 7.788	\$ 7.186	\$ 7.742
LNG Plant Total	\$ 6.150	\$ 6.810	\$ 8.128	\$ 8.319	\$ 8.090	\$ 7.643	\$ 7.451	\$ 7.288	\$ 7.140	\$ 7.010	\$ 6.897	\$ 6.885	\$ 7.788	\$ 7.186	\$ 7.742
Peaking Supplies															
Peaking Supply 1 Peaking Supply 2 Peaking Supply 3		\$ 13.348	\$ 13.454										\$ 13.442		\$ 13.442
Peaking Supply Total		\$ 13.800	\$ 13.907										\$ 13.894		\$ 13.894
		\$ 13.644	\$ 13.744										\$ 13.732		\$ 13.732
Total Cost per Dth	\$ 4.727	\$ 4.978	\$ 5.510	\$ 4.995	\$ 4.971	\$ 4.614	\$ 4.613	\$ 4.650	\$ 4.695	\$ 4.719	\$ 4.727	\$ 4.767	\$ 5.079	\$ 4.680	\$ 4.976

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 208,182	\$ 612,254	\$ 862,736	\$ 723,078	\$ 415,690	\$ 686,556	\$ 100,167	\$ -	\$ -	\$ -	\$ -	\$ 369,895	\$ 2,821,941	\$ 1,156,618	\$ 3,978,559
Dawn	\$ -	\$ 157	\$ 284	\$ 221	\$ 85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 747	\$ -	\$ 747
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 208,182	\$ 612,411	\$ 863,020	\$ 723,299	\$ 415,775	\$ 686,556	\$ 100,167	\$ -	\$ -	\$ -	\$ -	\$ 369,895	\$ 2,822,688	\$ 1,156,618	\$ 3,979,306
PNTGS Path Supplies															
PNGTS	\$ -	\$ 46,467	\$ 177,374	\$ 117,111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 340,952	\$ -	\$ 340,952
PNGTS Path Total	\$ -	\$ 46,467	\$ 177,374	\$ 117,111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 340,952	\$ -	\$ 340,952
Niagara Path Supplies															
Niagara	\$ -	\$ 183,735	\$ 313,799	\$ 241,110	\$ 106,589	\$ 1,894	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 845,233	\$ 1,894	\$ 847,127
Niagara Path Total	\$ -	\$ 183,735	\$ 313,799	\$ 241,110	\$ 106,589	\$ 1,894	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 845,233	\$ 1,894	\$ 847,127
Tennessee Production Supplies															
Tennessee Production	\$1,939,456	\$ 2,109,838	\$ 2,113,097	\$1,939,253	\$2,126,755	\$1,920,183	\$1,578,691	\$1,139,314	\$1,104,451	\$1,116,068	\$1,219,114	\$1,991,159	\$ 10,228,399	\$ 10,068,979	\$ 20,297,378
Tennessee Production Path Total	\$1,939,456	\$ 2,109,838	\$ 2,113,097	\$1,939,253	\$2,126,755	\$1,920,183	\$1,578,691	\$1,139,314	\$1,104,451	\$1,116,068	\$1,219,114	\$1,991,159	\$ 10,228,399	\$ 10,068,979	\$ 20,297,378
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,986	\$ 392,270	\$ 354,308	\$ 392,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,223,834	\$ -	\$ 1,223,834
Tenn Zone 4 Spot	\$ 391,457	\$ 333,148	\$ -	\$ -	\$ -	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 724,605	\$ 2,903,465	\$ 3,628,070
Tennessee Storage Path Total	\$ 391,457	\$ 418,133	\$ 392,270	\$ 354,308	\$ 392,270	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 1,948,439	\$ 2,903,465	\$ 4,851,904
Washington 10 Storage Path															
Washington 10 Storage	\$ 86,295	\$ 2,280,938	\$ 4,808,658	\$4,343,304	\$3,051,843	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,571,039	\$ -	\$ 14,571,039
Washington 10 Supply (Chicago)	\$2,379,076	\$ 2,635,193	\$ -	\$ -	\$1,394,821	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,409,090	\$ -	\$ 6,409,090
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$2,465,371	\$ 4,916,131	\$ 4,808,658	\$4,343,304	\$4,446,664	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,980,129	\$ -	\$ 20,980,129
New Lewiston Supplies															
Lewiston	\$ -	\$ 155,981	\$ 706,073	\$ 419,008	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,281,063	\$ -	\$ 1,281,063
New Lewiston Supplies Total	\$ -	\$ 155,981	\$ 706,073	\$ 419,008	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,281,063	\$ -	\$ 1,281,063
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 649,358	\$ 452,482	\$ 1,165,139	\$ 821,176	\$ 148,103	\$ 198,965	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,004	\$ 3,236,257	\$ 228,969	\$ 3,465,227
New TGP Zone 6 Supplies Total	\$ 649,358	\$ 452,482	\$ 1,165,139	\$ 821,176	\$ 148,103	\$ 198,965	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,004	\$ 3,236,257	\$ 228,969	\$ 3,465,227
Lewiston LNG Plant															
LNG	\$ 9,092	\$ 193,579	\$ 647,197	\$ 114,492	\$ 12,207	\$ 11,165	\$ 11,249	\$ 10,646	\$ 10,776	\$ 10,576	\$ 10,067	\$ 10,246	\$ 976,567	\$ 74,723	\$ 1,051,290
LNG Plant Total	\$ 9,092	\$ 193,579	\$ 647,197	\$ 114,492	\$ 12,207	\$ 11,165	\$ 11,249	\$ 10,646	\$ 10,776	\$ 10,576	\$ 10,067	\$ 10,246	\$ 976,567	\$ 74,723	\$ 1,051,290
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 39,319	\$ 145,852	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 185,172	\$ -	\$ 185,172
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 39,319	\$ 145,852	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 185,172	\$ -	\$ 185,172
Total Commodity Cost	\$5,662,917	\$ 9,128,076	\$11,332,480	\$9,073,061	\$7,648,364	\$3,219,954	\$2,105,917	\$1,554,931	\$1,536,772	\$1,549,935	\$1,639,219	\$2,827,920	\$ 42,844,898	\$ 14,434,649	\$ 57,279,547

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	612,337	890,661	1,028,759	874,488	811,833	212,684	150,752	113,578	111,846	112,250	117,235	186,009	4,218,078	1,004,353	5,222,431
New Hampshire Requirement	519,341	849,161	1,005,370	837,232	706,017	417,366	261,827	189,242	185,262	186,196	198,144	353,210	3,917,121	1,791,247	5,708,368
Northern Requirement	1,131,678	1,739,822	2,034,129	1,711,720	1,517,850	630,050	412,579	302,821	297,108	298,446	315,378	539,219	8,135,199	2,795,601	10,930,799
Chicago Path Supplies															
Chicago	40,308	112,487	154,504	130,138	75,780	132,917	19,399	0	0	0	0	69,593	513,218	221,908	735,126
Dawn	0	28	49	38	15	0	0	0	0	0	0	0	130	0	130
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	40,308	112,515	154,553	130,177	75,795	132,917	19,399	0	0	0	0	69,593	513,348	221,908	735,257
PNTGS Path Supplies															
PNGTS	0	6,649	20,827	14,091	0	0	0	0	0	0	0	0	41,567	0	41,567
PNGTS Path Total	0	6,649	20,827	14,091	0	0	0	0	0	0	0	0	41,567	0	41,567
Niagara Path Supplies															
Niagara	0	32,597	54,387	41,971	18,779	362	0	0	0	0	0	0	147,735	362	148,097
Niagara Path Total	0	32,597	54,387	41,971	18,779	362	0	0	0	0	0	0	147,735	362	148,097
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	396,503	365,668	406,366	378,025	309,830	222,159	213,758	215,096	234,718	380,688	1,968,162	1,954,273	3,922,434
Tennessee Production Path Total	393,258	406,366	396,503	365,668	406,366	378,025	309,830	222,159	213,758	215,096	234,718	380,688	1,968,162	1,954,273	3,922,434
Tennessee Storage Path															
Tennessee Storage	0	17,756	81,955	74,024	81,955	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	79,311	64,199	0	0	0	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	18,294	483,551	1,019,419	920,766	646,981	0	0	0	0	0	0	0	3,089,012	0	3,089,012
Washington 10 Supply (Chicago)	472,199	497,716	0	0	261,419	0	0	0	0	0	0	0	1,231,334	0	1,231,334
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	490,494	981,267	1,019,419	920,766	908,400	0	0	0	0	0	0	0	4,320,346	0	4,320,346
New Lewiston Supplies															
Lewiston	0	22,283	82,843	50,374	0	0	0	0	0	0	0	0	155,500	0	155,500
New Lewiston Supplies Total	0	22,283	82,843	50,374	0	0	0	0	0	0	0	0	155,500	0	155,500
New TGP Zone 6 Supplies															
TGP Zone 6	126,957	67,179	140,993	101,907	25,160	38,085	0	0	0	0	0	5,588	462,195	43,673	505,868
New TGP Zone 6 Supplies Total	126,957	67,179	140,993	101,907	25,160	38,085	0	0	0	0	0	5,588	462,195	43,673	505,868
Lewiston LNG Plant															
LNG	1,350	26,201	72,324	12,742	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	114,012	9,630	123,642
LNG Plant Total	1,350	26,201	72,324	12,742	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	114,012	9,630	123,642
Peaking Supplies															
Peaking Supply 1	0	2,809	10,323	0	0	0	0	0	0	0	0	0	13,133	0	13,133
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	2,809	10,323	0	0	0	0	0	0	0	0	0	13,133	0	13,133
Northern Requirement	1,131,678	1,739,822	2,034,129	1,711,720	1,517,850	630,050	412,579	302,821	297,108	298,446	315,378	539,219	8,135,199	2,795,601	10,930,799
Total Delivered (Dth)	1,131,678	1,739,822	2,034,129	1,711,720	1,517,850	630,050	412,579	302,820	297,108	298,446	315,379	539,219	8,135,199	2,795,601	10,930,800

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.165	\$ 5.443	\$ 5.584	\$ 5.556	\$ 5.486	\$ 5.165	\$ 5.164					\$ 5.315	\$ 5.499	\$ 5.212	\$ 5.412
Dawn		\$ 5.639	\$ 5.778	\$ 5.751	\$ 5.681								\$ 5.729		\$ 5.729
Iroquois Receipts															
Wright															
Chicago Path Total	\$ 5.165	\$ 5.443	\$ 5.584	\$ 5.556	\$ 5.486	\$ 5.165	\$ 5.164					\$ 5.315	\$ 5.499	\$ 5.212	\$ 5.412
PNTGS Path Supplies															
PNGTS		\$ 6.988	\$ 8.517	\$ 8.311									\$ 8.202		\$ 8.202
PNGTS Path Total		\$ 6.988	\$ 8.517	\$ 8.311									\$ 8.202		\$ 8.202
Niagara Path Supplies															
Niagara		\$ 5.637	\$ 5.770	\$ 5.745	\$ 5.676	\$ 5.233							\$ 5.721	\$ 5.233	\$ 5.720
Niagara Path Total		\$ 5.637	\$ 5.770	\$ 5.745	\$ 5.676	\$ 5.233							\$ 5.721	\$ 5.233	\$ 5.720
Tennessee Production Supplies															
Tennessee Production	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.197	\$ 5.152	\$ 5.175
Tennessee Production Path Total	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.197	\$ 5.152	\$ 5.175
Tennessee Storage Path															
Tennessee Storage		\$ 4.786	\$ 4.786	\$ 4.786	\$ 4.786								\$ 4.786		\$ 4.786
Tenn Zone 4 Spot	\$ 4.936	\$ 5.189				\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 5.049	\$ 5.132	\$ 5.115
Tennessee Storage Path Total	\$ 4.936	\$ 5.102	\$ 4.786	\$ 4.786	\$ 4.786	\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 4.881	\$ 5.132	\$ 5.028
Washington 10 Storage Path															
Washington 10 Storage	\$ 4.717	\$ 4.717	\$ 4.717	\$ 4.717	\$ 4.717								\$ 4.717		\$ 4.717
Washington 10 Supply (Chicago)	\$ 5.038	\$ 5.295			\$ 5.336								\$ 5.205		\$ 5.205
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 5.026	\$ 5.010	\$ 4.717	\$ 4.717	\$ 4.895								\$ 4.856		\$ 4.856
New Lewiston Supplies															
Lewiston		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.238		\$ 8.238
New Lewiston Supplies Total		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.238		\$ 8.238
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 7.002	\$ 5.243	\$ 6.850
New TGP Zone 6 Supplies Total	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 7.002	\$ 5.243	\$ 6.850
Lewiston LNG Plant															
LNG	\$ 6.735	\$ 7.388	\$ 8.949	\$ 8.985	\$ 8.750	\$ 8.270	\$ 8.063	\$ 7.886	\$ 7.724	\$ 7.581	\$ 7.457	\$ 7.345	\$ 8.565	\$ 7.759	\$ 8.503
LNG Plant Total	\$ 6.735	\$ 7.388	\$ 8.949	\$ 8.985	\$ 8.750	\$ 8.270	\$ 8.063	\$ 7.886	\$ 7.724	\$ 7.581	\$ 7.457	\$ 7.345	\$ 8.565	\$ 7.759	\$ 8.503
Peaking Supplies															
Peaking Supply 1		\$ 13.996	\$ 14.128										\$ 14.100		\$ 14.100
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total		\$ 13.996	\$ 14.128										\$ 14.100		\$ 14.100
Total Cost per Dth	\$ 5.004	\$ 5.247	\$ 5.571	\$ 5.301	\$ 5.039	\$ 5.111	\$ 5.104	\$ 5.135	\$ 5.172	\$ 5.193	\$ 5.198	\$ 5.244	\$ 5.267	\$ 5.163	\$ 5.240

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 909,022	\$ 1,062,951	\$ 1,087,127	\$ 976,763	\$1,066,188	\$ 738,131	\$ 113,231	\$ -	\$ -	\$ -	\$ -	\$ 405,102	\$ 5,102,051	\$ 1,256,464	\$ 6,358,515
Dawn	\$ 162	\$ 402	\$ 411	\$ 369	\$ 403	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,747	\$ -	\$ 1,747
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 909,183	\$ 1,063,353	\$ 1,087,538	\$ 977,132	\$ 1,066,591	\$ 738,131	\$ 113,231	\$ -	\$ -	\$ -	\$ -	\$ 405,102	\$ 5,103,798	\$ 1,256,464	\$ 6,360,262
PNTGS Path Supplies															
PNGTS	\$ 165,188	\$ 32,458	\$ 177,874	\$ 108,374	\$ 221,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 705,808	\$ -	\$ 705,808
PNGTS Path Total	\$ 165,188	\$ 32,458	\$ 177,874	\$ 108,374	\$ 221,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 705,808	\$ -	\$ 705,808
Niagara Path Supplies															
Niagara	\$ 258,185	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,983,001	\$ -	\$ 1,983,001
Niagara Path Total	\$ 258,185	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,983,001	\$ -	\$ 1,983,001
Tennessee Production Supplies															
Tennessee Production	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,042,700	\$ 1,686,209	\$ 1,220,589	\$ 1,182,661	\$ 1,195,932	\$ 1,306,512	\$ 2,118,454	\$ 11,129,130	\$ 10,753,058	\$ 21,882,188
Tennessee Production Path Total	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,042,700	\$ 1,686,209	\$ 1,220,589	\$ 1,182,661	\$ 1,195,932	\$ 1,306,512	\$ 2,118,454	\$ 11,129,130	\$ 10,753,058	\$ 21,882,188
Tennessee Storage Path															
Tennessee Storage	\$ 13,954	\$ 79,772	\$ 432,580	\$ 390,717	\$ 432,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,349,596	\$ -	\$ 1,349,596
Tenn Zone 4 Spot	\$ 411,612	\$ 374,859	\$ -	\$ -	\$ 7	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 786,479	\$ 3,078,474	\$ 3,864,953
Tennessee Storage Path Total	\$ 425,567	\$ 454,631	\$ 432,580	\$ 390,717	\$ 432,580	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 2,136,075	\$ 3,078,474	\$ 5,214,549
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 5,866,484	\$ 6,458,302	\$ 5,706,136	\$ 2,014,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,045,815	\$ -	\$ 20,045,815
Washington 10 Supply (Chicago)	\$ 401,245	\$ -	\$ -	\$ 82,076	\$ 73,071	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 556,392	\$ -	\$ 556,392
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 401,245	\$ 5,866,484	\$ 6,458,302	\$ 5,788,212	\$ 2,087,964	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,602,207	\$ -	\$ 20,602,207
New Lewiston Supplies															
Lewiston	\$ 604,687	\$ 157,917	\$ 572,985	\$ 291,280	\$ 1,046,063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,672,931	\$ -	\$ 2,672,931
New Lewiston Supplies Total	\$ 604,687	\$ 157,917	\$ 572,985	\$ 291,280	\$ 1,046,063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,672,931	\$ -	\$ 2,672,931
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,498,054	\$ 607,514	\$ 1,669,610	\$ 1,159,848	\$ 1,762,848	\$ 228,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,789	\$ 6,697,875	\$ 263,749	\$ 6,961,624
New TGP Zone 6 Supplies Total	\$ 1,498,054	\$ 607,514	\$ 1,669,610	\$ 1,159,848	\$ 1,762,848	\$ 228,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,789	\$ 6,697,875	\$ 263,749	\$ 6,961,624
Lewiston LNG Plant															
LNG	\$ 9,806	\$ 162,682	\$ 518,872	\$ 54,141	\$ 12,699	\$ 11,630	\$ 11,724	\$ 11,101	\$ 11,240	\$ 11,037	\$ 10,510	\$ 10,700	\$ 758,200	\$ 77,942	\$ 836,142
LNG Plant Total	\$ 9,806	\$ 162,682	\$ 518,872	\$ 54,141	\$ 12,699	\$ 11,630	\$ 11,724	\$ 11,101	\$ 11,240	\$ 11,037	\$ 10,510	\$ 10,700	\$ 758,200	\$ 77,942	\$ 836,142
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 12,472	\$ 115,407	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,878	\$ -	\$ 127,878
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 12,472	\$ 115,407	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,878	\$ -	\$ 127,878
Total Commodity Cost	\$ 6,386,137	\$ 11,079,585	\$ 13,818,218	\$ 11,271,798	\$ 9,361,165	\$ 3,447,389	\$ 2,252,327	\$ 1,660,955	\$ 1,640,468	\$ 1,655,697	\$ 1,751,837	\$ 3,021,015	\$ 51,916,904	\$ 15,429,687	\$ 67,346,591

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	616,238	896,446	1,035,483	880,189	817,082	213,147	151,027	113,749	112,006	112,411	117,416	186,388	4,245,437	1,006,144	5,251,581
New Hampshire Requirement	524,191	857,171	1,014,879	845,141	712,654	421,640	264,503	191,172	187,150	188,094	200,165	356,824	3,954,036	1,809,549	5,763,585
Northern Requirement	1,140,429	1,753,617	2,050,362	1,725,330	1,529,735	634,787	415,529	304,921	299,156	300,505	317,581	543,212	8,199,473	2,815,693	11,015,166
Chicago Path Supplies															
Chicago	161,783	180,771	180,771	163,277	180,771	134,476	20,650	0	0	0	0	71,884	867,372	227,009	1,094,382
Dawn	28	66	66	60	66	0	0	0	0	0	0	0	286	0	286
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	161,811	180,837	180,837	163,337	180,837	134,476	20,650	0	0	0	0	71,884	867,658	227,009	1,094,668
PNTGS Path Supplies															
PNGTS	28,500	4,385	19,927	12,435	33,981	0	0	0	0	0	0	0	99,228	0	99,228
PNGTS Path Total	28,500	4,385	19,927	12,435	33,981	0	0	0	0	0	0	0	99,228	0	99,228
Niagara Path Supplies															
Niagara	44,422	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	326,563	0	326,563
Niagara Path Total	44,422	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	326,563	0	326,563
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	378,271	311,530	224,260	215,806	217,155	236,920	381,848	1,979,397	1,965,789	3,945,187
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	378,271	311,530	224,260	215,806	217,155	236,920	381,848	1,979,397	1,965,789	3,945,187
Tennessee Storage Path															
Tennessee Storage	2,644	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	76,668	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	0	879,783	968,537	855,736	302,169	0	0	0	0	0	0	0	3,006,224	0	3,006,224
Washington 10 Supply (Chicago)	57,490	0	0	11,211	10,094	0	0	0	0	0	0	0	78,796	0	78,796
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	57,490	879,783	968,537	866,947	312,263	0	0	0	0	0	0	0	3,085,020	0	3,085,020
New Lewiston Supplies															
Lewiston	104,041	21,303	64,157	33,400	159,851	0	0	0	0	0	0	0	382,751	0	382,751
New Lewiston Supplies Total	104,041	21,303	64,157	33,400	159,851	0	0	0	0	0	0	0	382,751	0	382,751
New TGP Zone 6 Supplies															
TGP Zone 6	270,246	84,968	192,501	137,057	280,804	41,379	0	0	0	0	0	6,129	965,576	47,508	1,013,085
New TGP Zone 6 Supplies Total	270,246	84,968	192,501	137,057	280,804	41,379	0	0	0	0	0	6,129	965,576	47,508	1,013,085
Lewiston LNG Plant															
LNG	1,350	20,871	55,859	5,800	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	85,275	9,630	94,905
LNG Plant Total	1,350	20,871	55,859	5,800	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	85,275	9,630	94,905
Peaking Supplies															
Peaking Supply 1	0	865	7,938	0	0	0	0	0	0	0	0	0	8,804	0	8,804
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	865	7,938	0	0	0	0	0	0	0	0	0	8,804	0	8,804
Northern Requirement	1,140,429	1,753,617	2,050,362	1,725,330	1,529,735	634,787	415,529	304,921	299,156	300,505	317,581	543,212	8,199,473	2,815,693	11,015,166
Total Delivered (Dth)	1,140,429	1,753,617	2,050,362	1,725,330	1,529,736	634,787	415,530	304,921	299,156	300,505	317,581	543,212	8,199,474	2,815,692	11,015,166

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.619	\$ 5.880	\$ 6.014	\$ 5.982	\$ 5.898	\$ 5.489	\$ 5.483					\$ 5.635	\$ 5.882	\$ 5.535	\$ 5.810
Dawn	\$ 5.812	\$ 6.071	\$ 6.203	\$ 6.172	\$ 6.089								\$ 6.102		\$ 6.102
Iroquois Receipts															
Wright															
Chicago Path Total	\$ 5.619	\$ 5.880	\$ 6.014	\$ 5.982	\$ 5.898	\$ 5.489	\$ 5.483					\$ 5.635	\$ 5.882	\$ 5.535	\$ 5.810
PNTGS Path Supplies															
PNGTS	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 7.113		\$ 7.113
PNGTS Path Total	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 7.113		\$ 7.113
Niagara Path Supplies															
Niagara	\$ 5.812	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.072		\$ 6.072
Niagara Path Total	\$ 5.812	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.072		\$ 6.072
Tennessee Production Supplies															
Tennessee Production	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.470	\$ 5.547
Tennessee Production Path Total	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.470	\$ 5.547
Tennessee Storage Path															
Tennessee Storage	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278								\$ 5.278		\$ 5.278
Tenn Zone 4 Spot	\$ 5.369	\$ 5.608			\$ 5.625	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.480	\$ 5.441	\$ 5.449
Tennessee Storage Path Total	\$ 5.366	\$ 5.547	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.351	\$ 5.441	\$ 5.404
Washington 10 Storage Path															
Washington 10 Storage		\$ 6.668	\$ 6.668	\$ 6.668	\$ 6.668								\$ 6.668		\$ 6.668
Washington 10 Supply (Chicago)	\$ 6.979			\$ 7.321	\$ 7.239								\$ 7.061		\$ 7.061
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 6.979	\$ 6.668	\$ 6.668	\$ 6.677	\$ 6.687								\$ 6.678		\$ 6.678
New Lewiston Supplies															
Lewiston	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 6.983		\$ 6.983
New Lewiston Supplies Total	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 6.983		\$ 6.983
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.937	\$ 5.552	\$ 6.872
New TGP Zone 6 Supplies Total	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.937	\$ 5.552	\$ 6.872
Lewiston LNG Plant															
LNG	\$ 7.263	\$ 7.795	\$ 9.289	\$ 9.334	\$ 9.103	\$ 8.615	\$ 8.404	\$ 8.223	\$ 8.058	\$ 7.912	\$ 7.785	\$ 7.671	\$ 8.891	\$ 8.094	\$ 8.810
LNG Plant Total	\$ 7.263	\$ 7.795	\$ 9.289	\$ 9.334	\$ 9.103	\$ 8.615	\$ 8.404	\$ 8.223	\$ 8.058	\$ 7.912	\$ 7.785	\$ 7.671	\$ 8.891	\$ 8.094	\$ 8.810
Peaking Supplies															
Peaking Supply 1		\$ 14.410	\$ 14.538										\$ 14.525		\$ 14.525
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total		\$ 14.410	\$ 14.538										\$ 14.525		\$ 14.525
Total Cost per Dth	\$ 5.600	\$ 6.318	\$ 6.739	\$ 6.533	\$ 6.119	\$ 5.431	\$ 5.420	\$ 5.447	\$ 5.484	\$ 5.510	\$ 5.516	\$ 5.561	\$ 6.332	\$ 5.480	\$ 6.114

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 966,457	\$ 1,118,156	\$ 1,140,808	\$ 1,025,078	\$ 1,119,298	\$ 793,523	\$ 138,321	\$ -	\$ -	\$ -	\$ -	\$ 455,225	\$ 5,369,796	\$ 1,387,068	\$ 6,756,864
Dawn	\$ 157	\$ 422	\$ 430	\$ 387	\$ 422	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,819	\$ -	\$ 1,819
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 966,614	\$ 1,118,578	\$ 1,141,239	\$ 1,025,464	\$ 1,119,720	\$ 793,523	\$ 138,321	\$ -	\$ -	\$ -	\$ -	\$ 455,225	\$ 5,371,614	\$ 1,387,068	\$ 6,758,683
PNTGS Path Supplies															
PNTGS	\$ 173,739	\$ 34,140	\$ 191,795	\$ 118,348	\$ 231,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 749,452	\$ -	\$ 749,452
PNTGS Path Total	\$ 173,739	\$ 34,140	\$ 191,795	\$ 118,348	\$ 231,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 749,452	\$ -	\$ 749,452
Niagara Path Supplies															
Niagara	\$ 287,414	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,092,822	\$ -	\$ 2,092,822
Niagara Path Total	\$ 287,414	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,092,822	\$ -	\$ 2,092,822
Tennessee Production Supplies															
Tennessee Production	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,145,599	\$ 1,787,180	\$ 1,308,272	\$ 1,267,909	\$ 1,282,251	\$ 1,399,916	\$ 2,234,424	\$ 11,718,763	\$ 11,425,552	\$ 23,144,315
Tennessee Production Path Total	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,145,599	\$ 1,787,180	\$ 1,308,272	\$ 1,267,909	\$ 1,282,251	\$ 1,399,916	\$ 2,234,424	\$ 11,718,763	\$ 11,425,552	\$ 23,144,315
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,654	\$ 459,053	\$ 414,628	\$ 459,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,417,380	\$ -	\$ 1,417,380
Tenn Zone 4 Spot	\$ 449,858	\$ 394,520	\$ -	\$ -	\$ 8	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 844,386	\$ 3,225,376	\$ 4,069,762
Tennessee Storage Path Total	\$ 449,858	\$ 479,173	\$ 459,053	\$ 414,628	\$ 459,053	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 2,261,766	\$ 3,225,376	\$ 5,487,141
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 6,225,418	\$ 6,805,759	\$ 6,013,840	\$ 2,203,691	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,248,707	\$ -	\$ 21,248,707
Washington 10 Supply (Chicago)	\$ 470,475	\$ -	\$ -	\$ 100,671	\$ 114,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 685,406	\$ -	\$ 685,406
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 470,475	\$ 6,225,418	\$ 6,805,759	\$ 6,114,511	\$ 2,317,951	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,934,113	\$ -	\$ 21,934,113
New Lewiston Supplies															
Lewiston	\$ 660,511	\$ 169,466	\$ 667,899	\$ 374,012	\$ 1,104,883	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,976,771	\$ -	\$ 2,976,771
New Lewiston Supplies Total	\$ 660,511	\$ 169,466	\$ 667,899	\$ 374,012	\$ 1,104,883	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,976,771	\$ -	\$ 2,976,771
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,580,938	\$ 693,525	\$ 1,754,037	\$ 1,242,065	\$ 1,841,468	\$ 278,741	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,185	\$ 7,112,032	\$ 324,926	\$ 7,436,958
New TGP Zone 6 Supplies Total	\$ 1,580,938	\$ 693,525	\$ 1,754,037	\$ 1,242,065	\$ 1,841,468	\$ 278,741	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,185	\$ 7,112,032	\$ 324,926	\$ 7,436,958
Lewiston LNG Plant															
LNG	\$ 10,242	\$ 188,522	\$ 618,263	\$ 79,774	\$ 13,137	\$ 12,039	\$ 12,139	\$ 11,497	\$ 11,645	\$ 11,437	\$ 10,893	\$ 11,093	\$ 909,938	\$ 80,742	\$ 990,680
LNG Plant Total	\$ 10,242	\$ 188,522	\$ 618,263	\$ 79,774	\$ 13,137	\$ 12,039	\$ 12,139	\$ 11,497	\$ 11,645	\$ 11,437	\$ 10,893	\$ 11,093	\$ 909,938	\$ 80,742	\$ 990,680
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 29,283	\$ 135,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,053	\$ -	\$ 165,053
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 29,283	\$ 135,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,053	\$ -	\$ 165,053
Total Commodity Cost	\$ 6,836,391	\$ 11,803,982	\$ 14,698,703	\$ 11,996,752	\$ 9,956,495	\$ 3,676,301	\$ 2,399,751	\$ 1,769,547	\$ 1,747,400	\$ 1,763,861	\$ 1,866,379	\$ 3,220,425	\$ 55,292,324	\$ 16,443,664	\$ 71,735,988

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	622,759	905,964	1,046,490	889,542	825,751	214,936	152,251	114,641	112,878	113,286	118,341	187,931	4,290,507	1,014,265	5,304,772
New Hampshire Requirement	532,804	871,242	1,031,534	859,012	724,356	430,527	270,091	195,220	191,115	192,079	204,402	364,351	4,018,948	1,847,786	5,866,733
Northern Requirement	1,155,563	1,777,206	2,078,025	1,748,553	1,550,107	645,463	422,342	309,861	303,993	305,366	322,743	552,282	8,309,454	2,862,051	11,171,505
Chicago Path Supplies															
Chicago	162,895	180,771	180,771	163,277	180,771	137,862	24,060	0	0	0	0	77,059	868,484	238,981	1,107,465
Dawn	26	66	66	60	66	0	0	0	0	0	0	0	284	0	284
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	162,921	180,837	180,837	163,337	180,837	137,862	24,060	0	0	0	0	77,059	868,768	238,981	1,107,749
PNTGS Path Supplies															
PNGTS	28,500	4,437	20,827	13,154	33,981	0	0	0	0	0	0	0	100,899	0	100,899
PNGTS Path Total	28,500	4,437	20,827	13,154	33,981	0	0	0	0	0	0	0	100,899	0	100,899
Niagara Path Supplies															
Niagara	47,011	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	329,152	0	329,152
Niagara Path Total	47,011	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	329,152	0	329,152
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	378,783	314,932	229,200	220,643	222,015	242,082	384,092	1,979,397	1,991,745	3,971,143
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	378,783	314,932	229,200	220,643	222,015	242,082	384,092	1,979,397	1,991,745	3,971,143
Tennessee Storage Path															
Tennessee Storage	0	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	146,155	565,755	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	0	890,906	973,957	860,627	315,365	0	0	0	0	0	0	0	3,040,855	0	3,040,855
Washington 10 Supply (Chicago)	64,573	0	0	13,231	15,185	0	0	0	0	0	0	0	92,989	0	92,989
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	64,573	890,906	973,957	873,858	330,550	0	0	0	0	0	0	0	3,133,844	0	3,133,844
New Lewiston Supplies															
Lewiston	108,086	22,000	72,495	41,548	161,935	0	0	0	0	0	0	0	406,064	0	406,064
New Lewiston Supplies Total	108,086	22,000	72,495	41,548	161,935	0	0	0	0	0	0	0	406,064	0	406,064
New TGP Zone 6 Supplies															
TGP Zone 6	270,554	93,204	195,845	142,040	280,804	48,157	0	0	0	0	0	7,781	982,446	55,938	1,038,384
New TGP Zone 6 Supplies Total	270,554	93,204	195,845	142,040	280,804	48,157	0	0	0	0	0	7,781	982,446	55,938	1,038,384
Lewiston LNG Plant															
LNG	1,350	23,224	64,296	8,265	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	98,530	9,630	108,160
LNG Plant Total	1,350	23,224	64,296	8,265	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	98,530	9,630	108,160
Peaking Supplies															
Peaking Supply 1	0	1,992	9,161	0	0	0	0	0	0	0	0	0	11,153	0	11,153
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	1,992	9,161	0	0	0	0	0	0	0	0	0	11,153	0	11,153
Northern Requirement	1,155,563	1,777,206	2,078,025	1,748,553	1,550,107	645,463	422,342	309,861	303,993	305,366	322,743	552,282	8,309,454	2,862,051	11,171,505
Total Delivered (Dth)	1,155,563	1,777,206	2,078,024	1,748,554	1,550,107	645,463	422,342	309,861	303,993	305,365	322,743	552,282	8,309,454	2,862,049	11,171,503

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.933	\$ 6.185	\$ 6.311	\$ 6.278	\$ 6.192	\$ 5.756	\$ 5.749					\$ 5.907	\$ 6.183	\$ 5.804	\$ 6.101
Dawn	\$ 6.123	\$ 6.373	\$ 6.497	\$ 6.465	\$ 6.379								\$ 6.400		\$ 6.400
Iroquois Receipts															
Wright															
Chicago Path Total	\$ 5.933	\$ 6.186	\$ 6.311	\$ 6.278	\$ 6.192	\$ 5.756	\$ 5.749					\$ 5.907	\$ 6.183	\$ 5.804	\$ 6.101
PNTGS Path Supplies															
PNGTS	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.428		\$ 7.428
PNGTS Path Total	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.428		\$ 7.428
Niagara Path Supplies															
Niagara	\$ 6.114	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.358		\$ 6.358
Niagara Path Total	\$ 6.114	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.358		\$ 6.358
Tennessee Production Supplies															
Tennessee Production	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.736	\$ 5.828
Tennessee Production Path Total	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.736	\$ 5.828
Tennessee Storage Path															
Tennessee Storage		\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.601								\$ 5.601		\$ 5.601
Tenn Zone 4 Spot	\$ 5.672	\$ 5.902			\$ 5.908	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.777	\$ 5.701	\$ 5.717
Tennessee Storage Path Total	\$ 5.672	\$ 5.847	\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.666	\$ 5.701	\$ 5.686
Washington 10 Storage Path															
Washington 10 Storage		\$ 6.988	\$ 6.988	\$ 6.988	\$ 6.988								\$ 6.988		\$ 6.988
Washington 10 Supply (Chicago)	\$ 7.286			\$ 7.609	\$ 7.525								\$ 7.371		\$ 7.371
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 7.286	\$ 6.988	\$ 6.988	\$ 6.997	\$ 7.012								\$ 6.999		\$ 6.999
New Lewiston Supplies															
Lewiston	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.331		\$ 7.331
New Lewiston Supplies Total	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.331		\$ 7.331
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.239	\$ 5.809	\$ 7.162
New TGP Zone 6 Supplies Total	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.239	\$ 5.809	\$ 7.162
Lewiston LNG Plant															
LNG	\$ 7.587	\$ 8.117	\$ 9.616	\$ 9.652	\$ 9.417	\$ 8.918	\$ 8.702	\$ 8.516	\$ 8.347	\$ 8.198	\$ 8.069	\$ 7.952	\$ 9.235	\$ 8.384	\$ 9.159
LNG Plant Total	\$ 7.587	\$ 8.117	\$ 9.616	\$ 9.652	\$ 9.417	\$ 8.918	\$ 8.702	\$ 8.516	\$ 8.347	\$ 8.198	\$ 8.069	\$ 7.952	\$ 9.235	\$ 8.384	\$ 9.159
Peaking Supplies															
Peaking Supply 1		\$ 14.701	\$ 14.821										\$ 14.799		\$ 14.799
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total		\$ 14.701	\$ 14.821										\$ 14.799		\$ 14.799
Total Cost per Dth	\$ 5.916	\$ 6.642	\$ 7.073	\$ 6.861	\$ 6.423	\$ 5.696	\$ 5.682	\$ 5.711	\$ 5.748	\$ 5.776	\$ 5.783	\$ 5.831	\$ 6.654	\$ 5.745	\$ 6.421

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 966,457	\$ 1,118,156	\$ 1,140,808	\$ 1,025,078	\$ 1,119,298	\$ 793,523	\$ 138,321	\$ -	\$ -	\$ -	\$ -	\$ 455,225	\$ 5,369,796	\$ 1,387,068	\$ 6,756,864
Dawn	\$ 157	\$ 422	\$ 430	\$ 387	\$ 422	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,819	\$ -	\$ 1,819
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 966,614	\$ 1,118,578	\$ 1,141,239	\$ 1,025,464	\$ 1,119,720	\$ 793,523	\$ 138,321	\$ -	\$ -	\$ -	\$ -	\$ 455,225	\$ 5,371,614	\$ 1,387,068	\$ 6,758,683
PNTGS Path Supplies															
PNTGS	\$ 173,739	\$ 34,140	\$ 191,795	\$ 118,348	\$ 231,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 749,452	\$ -	\$ 749,452
PNTGS Path Total	\$ 173,739	\$ 34,140	\$ 191,795	\$ 118,348	\$ 231,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 749,452	\$ -	\$ 749,452
Niagara Path Supplies															
Niagara	\$ 287,414	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,092,822	\$ -	\$ 2,092,822
Niagara Path Total	\$ 287,414	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,092,822	\$ -	\$ 2,092,822
Tennessee Production Supplies															
Tennessee Production	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,145,599	\$ 1,787,180	\$ 1,308,272	\$ 1,267,909	\$ 1,282,251	\$ 1,399,916	\$ 2,234,424	\$ 11,718,763	\$ 11,425,552	\$ 23,144,315
Tennessee Production Path Total	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,145,599	\$ 1,787,180	\$ 1,308,272	\$ 1,267,909	\$ 1,282,251	\$ 1,399,916	\$ 2,234,424	\$ 11,718,763	\$ 11,425,552	\$ 23,144,315
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,654	\$ 459,053	\$ 414,628	\$ 459,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,417,380	\$ -	\$ 1,417,380
Tenn Zone 4 Spot	\$ 449,858	\$ 394,520	\$ -	\$ -	\$ 8	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 844,386	\$ 3,225,376	\$ 4,069,762
Tennessee Storage Path Total	\$ 449,858	\$ 479,173	\$ 459,053	\$ 414,628	\$ 459,053	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 2,261,766	\$ 3,225,376	\$ 5,487,141
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 6,225,418	\$ 6,805,759	\$ 6,013,840	\$ 2,203,691	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,248,707	\$ -	\$ 21,248,707
Washington 10 Supply (Chicago)	\$ 470,475	\$ -	\$ -	\$ 100,671	\$ 114,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 685,406	\$ -	\$ 685,406
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 470,475	\$ 6,225,418	\$ 6,805,759	\$ 6,114,511	\$ 2,317,951	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,934,113	\$ -	\$ 21,934,113
New Lewiston Supplies															
Lewiston	\$ 660,511	\$ 169,466	\$ 667,899	\$ 374,012	\$ 1,104,883	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,976,771	\$ -	\$ 2,976,771
New Lewiston Supplies Total	\$ 660,511	\$ 169,466	\$ 667,899	\$ 374,012	\$ 1,104,883	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,976,771	\$ -	\$ 2,976,771
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,580,938	\$ 693,525	\$ 1,754,037	\$ 1,242,065	\$ 1,841,468	\$ 278,741	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,185	\$ 7,112,032	\$ 324,926	\$ 7,436,958
New TGP Zone 6 Supplies Total	\$ 1,580,938	\$ 693,525	\$ 1,754,037	\$ 1,242,065	\$ 1,841,468	\$ 278,741	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,185	\$ 7,112,032	\$ 324,926	\$ 7,436,958
Lewiston LNG Plant															
LNG	\$ 10,242	\$ 188,522	\$ 618,263	\$ 79,774	\$ 13,137	\$ 12,039	\$ 12,139	\$ 11,497	\$ 11,645	\$ 11,437	\$ 10,893	\$ 11,093	\$ 909,938	\$ 80,742	\$ 990,680
LNG Plant Total	\$ 10,242	\$ 188,522	\$ 618,263	\$ 79,774	\$ 13,137	\$ 12,039	\$ 12,139	\$ 11,497	\$ 11,645	\$ 11,437	\$ 10,893	\$ 11,093	\$ 909,938	\$ 80,742	\$ 990,680
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 29,283	\$ 135,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,053	\$ -	\$ 165,053
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 29,283	\$ 135,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,053	\$ -	\$ 165,053
Total Commodity Cost	\$ 6,836,391	\$ 11,803,982	\$ 14,698,703	\$ 11,996,752	\$ 9,956,495	\$ 3,676,301	\$ 2,399,751	\$ 1,769,547	\$ 1,747,400	\$ 1,763,861	\$ 1,866,379	\$ 3,220,425	\$ 55,292,324	\$ 16,443,664	\$ 71,735,988

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	622,759	905,964	1,046,490	889,542	825,751	214,936	152,251	114,641	112,878	113,286	118,341	187,931	4,290,507	1,014,265	5,304,772
New Hampshire Requirement	532,804	871,242	1,031,534	859,012	724,356	430,527	270,091	195,220	191,115	192,079	204,402	364,351	4,018,948	1,847,786	5,866,733
Northern Requirement	1,155,563	1,777,206	2,078,025	1,748,553	1,550,107	645,463	422,342	309,861	303,993	305,366	322,743	552,282	8,309,454	2,862,051	11,171,505
Chicago Path Supplies															
Chicago	162,895	180,771	180,771	163,277	180,771	137,862	24,060	0	0	0	0	77,059	868,484	238,981	1,107,465
Dawn	26	66	66	60	66	0	0	0	0	0	0	0	284	0	284
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	162,921	180,837	180,837	163,337	180,837	137,862	24,060	0	0	0	0	77,059	868,768	238,981	1,107,749
PNTGS Path Supplies															
PNGTS	28,500	4,437	20,827	13,154	33,981	0	0	0	0	0	0	0	100,899	0	100,899
PNGTS Path Total	28,500	4,437	20,827	13,154	33,981	0	0	0	0	0	0	0	100,899	0	100,899
Niagara Path Supplies															
Niagara	47,011	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	329,152	0	329,152
Niagara Path Total	47,011	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	329,152	0	329,152
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	378,783	314,932	229,200	220,643	222,015	242,082	384,092	1,979,397	1,991,745	3,971,143
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	378,783	314,932	229,200	220,643	222,015	242,082	384,092	1,979,397	1,991,745	3,971,143
Tennessee Storage Path															
Tennessee Storage	0	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	146,155	565,755	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	0	890,906	973,957	860,627	315,365	0	0	0	0	0	0	0	3,040,855	0	3,040,855
Washington 10 Supply (Chicago)	64,573	0	0	13,231	15,185	0	0	0	0	0	0	0	92,989	0	92,989
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	64,573	890,906	973,957	873,858	330,550	0	0	0	0	0	0	0	3,133,844	0	3,133,844
New Lewiston Supplies															
Lewiston	108,086	22,000	72,495	41,548	161,935	0	0	0	0	0	0	0	406,064	0	406,064
New Lewiston Supplies Total	108,086	22,000	72,495	41,548	161,935	0	0	0	0	0	0	0	406,064	0	406,064
New TGP Zone 6 Supplies															
TGP Zone 6	270,554	93,204	195,845	142,040	280,804	48,157	0	0	0	0	0	7,781	982,446	55,938	1,038,384
New TGP Zone 6 Supplies Total	270,554	93,204	195,845	142,040	280,804	48,157	0	0	0	0	0	7,781	982,446	55,938	1,038,384
Lewiston LNG Plant															
LNG	1,350	23,224	64,296	8,265	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	98,530	9,630	108,160
LNG Plant Total	1,350	23,224	64,296	8,265	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	98,530	9,630	108,160
Peaking Supplies															
Peaking Supply 1	0	1,992	9,161	0	0	0	0	0	0	0	0	0	11,153	0	11,153
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	1,992	9,161	0	0	0	0	0	0	0	0	0	11,153	0	11,153
Northern Requirement	1,155,563	1,777,206	2,078,025	1,748,553	1,550,107	645,463	422,342	309,861	303,993	305,366	322,743	552,282	8,309,454	2,862,051	11,171,505
Total Delivered (Dth)	1,155,563	1,777,206	2,078,024	1,748,554	1,550,107	645,463	422,342	309,861	303,993	305,365	322,743	552,282	8,309,454	2,862,049	11,171,503

Northern Utilities, Inc. Low Case Design Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.933	\$ 6.185	\$ 6.311	\$ 6.278	\$ 6.192	\$ 5.756	\$ 5.749					\$ 5.907	\$ 6.183	\$ 5.804	\$ 6.101
Dawn	\$ 6.123	\$ 6.373	\$ 6.497	\$ 6.465	\$ 6.379								\$ 6.400		\$ 6.400
Iroquois Receipts															
Wright															
Chicago Path Total	\$ 5.933	\$ 6.186	\$ 6.311	\$ 6.278	\$ 6.192	\$ 5.756	\$ 5.749					\$ 5.907	\$ 6.183	\$ 5.804	\$ 6.101
PNTGS Path Supplies															
PNGTS	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.428		\$ 7.428
PNGTS Path Total	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.428		\$ 7.428
Niagara Path Supplies															
Niagara	\$ 6.114	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.358		\$ 6.358
Niagara Path Total	\$ 6.114	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.358		\$ 6.358
Tennessee Production Supplies															
Tennessee Production	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.736	\$ 5.828
Tennessee Production Path Total	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.736	\$ 5.828
Tennessee Storage Path															
Tennessee Storage		\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.601								\$ 5.601		\$ 5.601
Tenn Zone 4 Spot	\$ 5.672	\$ 5.902			\$ 5.908	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.777	\$ 5.701	\$ 5.717
Tennessee Storage Path Total	\$ 5.672	\$ 5.847	\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.666	\$ 5.701	\$ 5.686
Washington 10 Storage Path															
Washington 10 Storage		\$ 6.988	\$ 6.988	\$ 6.988	\$ 6.988								\$ 6.988		\$ 6.988
Washington 10 Supply (Chicago)	\$ 7.286			\$ 7.609	\$ 7.525								\$ 7.371		\$ 7.371
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 7.286	\$ 6.988	\$ 6.988	\$ 6.997	\$ 7.012								\$ 6.999		\$ 6.999
New Lewiston Supplies															
Lewiston	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.331		\$ 7.331
New Lewiston Supplies Total	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.331		\$ 7.331
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.239	\$ 5.809	\$ 7.162
New TGP Zone 6 Supplies Total	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.239	\$ 5.809	\$ 7.162
Lewiston LNG Plant															
LNG	\$ 7.587	\$ 8.117	\$ 9.616	\$ 9.652	\$ 9.417	\$ 8.918	\$ 8.702	\$ 8.516	\$ 8.347	\$ 8.198	\$ 8.069	\$ 7.952	\$ 9.235	\$ 8.384	\$ 9.159
LNG Plant Total	\$ 7.587	\$ 8.117	\$ 9.616	\$ 9.652	\$ 9.417	\$ 8.918	\$ 8.702	\$ 8.516	\$ 8.347	\$ 8.198	\$ 8.069	\$ 7.952	\$ 9.235	\$ 8.384	\$ 9.159
Peaking Supplies															
Peaking Supply 1		\$ 14.701	\$ 14.821										\$ 14.799		\$ 14.799
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total		\$ 14.701	\$ 14.821										\$ 14.799		\$ 14.799
Total Cost per Dth	\$ 5.916	\$ 6.642	\$ 7.073	\$ 6.861	\$ 6.423	\$ 5.696	\$ 5.682	\$ 5.711	\$ 5.748	\$ 5.776	\$ 5.783	\$ 5.831	\$ 6.654	\$ 5.745	\$ 6.421

Appendix VI-6(6). Low Case Normal Commodity Costs

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 729,677	\$ 861,361	\$ 363,400	\$ 218,874	\$ 335,850	\$ 601,960	\$ 80,807	\$ -	\$ -	\$ -	\$ -	\$ 315,132	\$ 2,509,162	\$ 997,899	\$ 3,507,061
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 729,677	\$ 861,361	\$ 363,400	\$ 218,874	\$ 335,850	\$ 601,960	\$ 80,807	\$ -	\$ -	\$ -	\$ -	\$ 315,132	\$ 2,509,162	\$ 997,899	\$ 3,507,061
PNTGS Path Supplies															
PNGTS	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 15,344	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 928	\$ 940,415	\$ 16,272	\$ 956,687
PNGTS Path Total	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 15,344	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 928	\$ 940,415	\$ 16,272	\$ 956,687
Niagara Path Supplies															
Niagara	\$ -	\$ 62,795	\$ 116,554	\$ 45,165	\$ 30,248	\$ 118,581	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,493	\$ 254,761	\$ 139,075	\$ 393,835
Niagara Path Total	\$ -	\$ 62,795	\$ 116,554	\$ 45,165	\$ 30,248	\$ 118,581	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,493	\$ 254,761	\$ 139,075	\$ 393,835
Tennessee Production Supplies															
Tennessee Production	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,729,630	\$1,422,758	\$1,033,621	\$1,006,991	\$1,018,459	\$1,108,598	\$1,803,042	\$ 9,030,568	\$ 9,123,099	\$ 18,153,668
Tennessee Production Path Total	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,729,630	\$1,422,758	\$1,033,621	\$1,006,991	\$1,018,459	\$1,108,598	\$1,803,042	\$ 9,030,568	\$ 9,123,099	\$ 18,153,668
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ -	\$ 394,772	\$ 369,302	\$ 394,772	\$ 72,793	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,158,846	\$ 72,793	\$ 1,231,639
Tenn Zone 4 Spot	\$ 330,600	\$ 371,588	\$ -	\$ -	\$ -	\$ 293,037	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 702,189	\$ 2,567,034	\$ 3,269,223
Tennessee Storage Path Total	\$ 330,600	\$ 371,588	\$ 394,772	\$ 369,302	\$ 394,772	\$ 365,830	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 1,861,034	\$ 2,639,827	\$ 4,500,861
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 3,158,272	\$ 4,400,376	\$3,803,120	\$2,821,057	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,182,825	\$ -	\$ 14,182,825
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 AMA Spot (PNGTS)	\$ 920,272	\$ -	\$ -	\$ -	\$ 30,982	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 951,254	\$ -	\$ 951,254
W10 Path Total	\$ 920,272	\$ 3,158,272	\$ 4,400,376	\$3,803,120	\$2,852,039	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,134,079	\$ -	\$ 15,134,079
New Lewiston Supplies															
Lewiston	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 17,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,202,549	\$ 17,122	\$ 5,219,671
New Lewiston Supplies Total	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 17,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,202,549	\$ 17,122	\$ 5,219,671
New TGP Zone 6 Supplies															
TGP Zone 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New TGP Zone 6 Supplies Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lewiston LNG Plant															
LNG	\$ 8,303	\$ 23,399	\$ 360,429	\$ 60,804	\$ 11,120	\$ 10,187	\$ 10,273	\$ 9,732	\$ 9,862	\$ 9,690	\$ 9,233	\$ 9,406	\$ 464,055	\$ 68,382	\$ 532,437
LNG Plant Total	\$ 8,303	\$ 23,399	\$ 360,429	\$ 60,804	\$ 11,120	\$ 10,187	\$ 10,273	\$ 9,732	\$ 9,862	\$ 9,690	\$ 9,233	\$ 9,406	\$ 464,055	\$ 68,382	\$ 532,437
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 102,305	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 102,305	\$ -	\$ 102,305
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 102,305	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 102,305	\$ -	\$ 102,305
Total Commodity Cost	\$4,835,490	\$ 7,564,434	\$ 8,891,044	\$7,448,208	\$6,759,752	\$2,858,655	\$1,890,248	\$1,410,677	\$1,400,078	\$1,413,369	\$1,491,269	\$2,537,380	\$ 35,498,928	\$ 13,001,676	\$ 48,500,604

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	557,465	802,454	904,631	776,743	736,370	208,428	149,703	114,131	112,685	113,069	117,610	183,250	3,777,663	998,877	4,776,541
New Hampshire Requirement	465,140	751,700	864,599	733,197	631,900	411,508	260,120	189,235	185,518	186,428	197,908	349,159	3,446,535	1,779,874	5,226,409
Northern Requirement	1,022,605	1,554,154	1,769,230	1,509,940	1,368,270	619,936	409,823	303,366	298,203	299,498	315,518	532,408	7,224,199	2,778,751	10,002,950
Chicago Path Supplies															
Chicago	161,879	180,896	74,614	44,927	69,563	129,413	17,325	0	0	0	0	65,250	531,878	211,988	743,866
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	161,879	180,896	74,614	44,927	69,563	129,413	17,325	0	0	0	0	65,250	531,878	211,988	743,866
PNTGS Path Supplies															
PNGTS	29,895	30,892	30,892	28,899	30,892	3,139	0	0	0	0	0	183	151,468	3,323	154,791
PNGTS Path Total	29,895	30,892	30,892	28,899	30,892	3,139	0	0	0	0	0	183	151,468	3,323	154,791
Niagara Path Supplies															
Niagara	0	12,606	22,905	8,873	5,983	24,976	0	0	0	0	0	4,165	50,367	29,142	79,509
Niagara Path Total	0	12,606	22,905	8,873	5,983	24,976	0	0	0	0	0	4,165	50,367	29,142	79,509
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	378,257	309,148	222,705	214,853	216,147	234,857	379,460	1,992,506	1,955,426	3,947,932
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	378,257	309,148	222,705	214,853	216,147	234,857	379,460	1,992,506	1,955,426	3,947,932
Tennessee Storage Path															
Tennessee Storage	0	0	81,955	76,668	81,955	15,112	0	0	0	0	0	0	240,578	15,112	255,690
Tenn Zone 4 Spot	76,925	81,955	0	0	0	64,199	81,955	79,311	81,955	81,955	79,311	81,955	158,880	550,643	709,523
Tennessee Storage Path Total	76,925	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,458	565,755	965,213
Washington 10 Storage Path															
Washington 10 Storage	0	667,257	929,680	803,496	596,013	0	0	0	0	0	0	0	2,996,446	0	2,996,446
Washington 10 Supply (Chicago)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 AMA Spot (PNGTS)	194,299	0	0	0	5,603	0	0	0	0	0	0	0	199,902	0	199,902
W10 Path Total	194,299	667,257	929,680	803,496	601,616	0	0	0	0	0	0	0	3,196,348	0	3,196,348
New Lewiston Supplies															
Lewiston	165,000	170,500	170,500	159,500	170,500	3,489	0	0	0	0	0	0	836,000	3,489	839,489
New Lewiston Supplies Total	165,000	170,500	170,500	159,500	170,500	3,489	0	0	0	0	0	0	836,000	3,489	839,489
New Lewiston Supplies															
TGP Zone 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Lewiston Supplies Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewiston LNG Plant															
LNG	1,350	3,682	44,715	7,429	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	58,570	9,630	68,200
LNG Plant Total	1,350	3,682	44,715	7,429	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	58,570	9,630	68,200
Peaking Supplies															
Peaking Supply 1	0	0	7,604	0	0	0	0	0	0	0	0	0	7,604	0	7,604
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	7,604	0	0	0	0	0	0	0	0	0	7,604	0	7,604
Northern Requirement	1,022,605	1,554,154	1,769,230	1,509,940	1,368,270	619,936	409,823	303,366	298,203	299,498	315,518	532,408	7,224,199	2,778,751	10,002,950
Total Delivered (Dth)	1,022,605	1,554,154	1,769,230	1,509,940	1,368,270	619,936	409,823	303,366	298,203	299,497	315,518	532,409	7,224,199	2,778,752	10,002,951

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn	\$ 4.508	\$ 4.762	\$ 4.870	\$ 4.872	\$ 4.828	\$ 4.651	\$ 4.664					\$ 4.830	\$ 4.718	\$ 4.707	\$ 4.715
Iroquois Receipts															
Wright															
Chicago Path Total	\$ 4.508	\$ 4.762	\$ 4.870	\$ 4.872	\$ 4.828	\$ 4.651	\$ 4.664					\$ 4.830	\$ 4.718	\$ 4.707	\$ 4.715
PNTGS Path Supplies															
PNGTS	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.897	\$ 6.181
PNGTS Path Total	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.897	\$ 6.181
Niagara Path Supplies															
Niagara		\$ 4.981	\$ 5.089	\$ 5.090	\$ 5.056	\$ 4.748						\$ 4.920	\$ 5.058	\$ 4.772	\$ 4.953
Niagara Path Total		\$ 4.981	\$ 5.089	\$ 5.090	\$ 5.056	\$ 4.748						\$ 4.920	\$ 5.058	\$ 4.772	\$ 4.953
Tennessee Production Supplies															
Tennessee Production	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.598
Tennessee Production Path Total	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.598
Tennessee Storage Path															
Tennessee Storage			\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.817							\$ 4.817	\$ 4.817	\$ 4.817
Tenn Zone 4 Spot	\$ 4.298	\$ 4.534				\$ 4.564	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.708	\$ 4.739	\$ 4.420	\$ 4.662	\$ 4.608
Tennessee Storage Path Total	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.613	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.708	\$ 4.739	\$ 4.659	\$ 4.666	\$ 4.663
Washington 10 Storage Path															
Washington 10 Storage		\$ 4.733	\$ 4.733	\$ 4.733	\$ 4.733								\$ 4.733		\$ 4.733
Washington 10 Supply (Chicago)															
W10 AMA Spot (PNGTS)	\$ 4.736				\$ 5.529								\$ 4.759		\$ 4.759
W10 Path Total	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 4.741								\$ 4.735		\$ 4.735
New Lewiston Supplies															
Lewiston	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907							\$ 6.223	\$ 4.907	\$ 6.218
New Lewiston Supplies Total	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907							\$ 6.223	\$ 4.907	\$ 6.218
New Lewiston Supplies															
TGP Zone 6															
New Lewiston Supplies Total															
Lewiston LNG Plant															
LNG	\$ 6.150	\$ 6.356	\$ 8.061	\$ 8.185	\$ 7.971	\$ 7.546	\$ 7.364	\$ 7.209	\$ 7.069	\$ 6.946	\$ 6.839	\$ 6.743	\$ 7.923	\$ 7.101	\$ 7.807
LNG Plant Total	\$ 6.150	\$ 6.356	\$ 8.061	\$ 8.185	\$ 7.971	\$ 7.546	\$ 7.364	\$ 7.209	\$ 7.069	\$ 6.946	\$ 6.839	\$ 6.743	\$ 7.923	\$ 7.101	\$ 7.807
Peaking Supplies															
Peaking Supply 1			\$ 13.454										\$ 13.454		\$ 13.454
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 13.454										\$ 13.454		\$ 13.454
Total Cost per Dth	\$ 4.729	\$ 4.867	\$ 5.025	\$ 4.933	\$ 4.940	\$ 4.611	\$ 4.612	\$ 4.650	\$ 4.695	\$ 4.719	\$ 4.726	\$ 4.766	\$ 4.914	\$ 4.679	\$ 4.849

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 64,360	\$ 337,503	\$ 557,534	\$ 414,787	\$ 155,328	\$ 522,105	\$ 85,999	\$ -	\$ -	\$ -	\$ -	\$ 299,660	\$ 1,529,512	\$ 907,765	\$ 2,437,276
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 64,360	\$ 337,503	\$ 557,534	\$ 414,787	\$ 155,328	\$ 522,105	\$ 85,999	\$ -	\$ -	\$ -	\$ -	\$ 299,660	\$ 1,529,512	\$ 907,765	\$ 2,437,276
PNTGS Path Supplies															
PNGTS	\$ -	\$ 33,139	\$ 67,053	\$ 44,656	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 144,849	\$ -	\$ 144,849
PNGTS Path Total	\$ -	\$ 33,139	\$ 67,053	\$ 44,656	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 144,849	\$ -	\$ 144,849
Niagara Path Supplies															
Niagara	\$ -	\$ 157,311	\$ 263,083	\$ 161,921	\$ 44,660	\$ 6,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 626,975	\$ 6,827	\$ 633,802
Niagara Path Total	\$ -	\$ 157,311	\$ 263,083	\$ 161,921	\$ 44,660	\$ 6,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 626,975	\$ 6,827	\$ 633,802
Tennessee Production Supplies															
Tennessee Production	\$ 1,939,456	\$ 2,109,838	\$ 2,006,938	\$ 1,763,861	\$ 2,126,755	\$ 1,920,346	\$ 1,570,933	\$ 1,135,924	\$ 1,103,960	\$ 1,115,331	\$ 1,213,347	\$ 1,981,071	\$ 9,946,848	\$ 10,040,912	\$ 19,987,760
Tennessee Production Path Total	\$ 1,939,456	\$ 2,109,838	\$ 2,006,938	\$ 1,763,861	\$ 2,126,755	\$ 1,920,346	\$ 1,570,933	\$ 1,135,924	\$ 1,103,960	\$ 1,115,331	\$ 1,213,347	\$ 1,981,071	\$ 9,946,848	\$ 10,040,912	\$ 19,987,760
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,986	\$ 392,270	\$ 354,308	\$ 392,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,223,834	\$ -	\$ 1,223,834
Tenn Zone 4 Spot	\$ 391,457	\$ 333,148	\$ -	\$ -	\$ -	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 724,605	\$ 2,903,465	\$ 3,628,070
Tennessee Storage Path Total	\$ 391,457	\$ 418,133	\$ 392,270	\$ 354,308	\$ 392,270	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 1,948,439	\$ 2,903,465	\$ 4,851,904
Washington 10 Storage Path															
Washington 10 Storage	\$ 60,182	\$ 1,869,639	\$ 4,799,287	\$ 4,340,818	\$ 3,177,860	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,247,787	\$ -	\$ 14,247,787
Washington 10 Supply (Chicago)	\$ 2,270,235	\$ 2,765,913	\$ -	\$ -	\$ 849,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,886,124	\$ -	\$ 5,886,124
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 2,330,417	\$ 4,635,552	\$ 4,799,287	\$ 4,340,818	\$ 4,027,836	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,133,911	\$ -	\$ 20,133,911
New Lewiston Supplies															
Lewiston	\$ -	\$ 52,850	\$ 284,198	\$ 116,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 453,966	\$ -	\$ 453,966
New Lewiston Supplies Total	\$ -	\$ 52,850	\$ 284,198	\$ 116,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 453,966	\$ -	\$ 453,966
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 383,750	\$ 315,189	\$ 667,022	\$ 461,062	\$ 70,321	\$ 296,435	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 64,745	\$ 1,897,345	\$ 361,181	\$ 2,258,526
New TGP Zone 6 Supplies Total	\$ 383,750	\$ 315,189	\$ 667,022	\$ 461,062	\$ 70,321	\$ 296,435	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 64,745	\$ 1,897,345	\$ 361,181	\$ 2,258,526
Lewiston LNG Plant															
LNG	\$ 9,016	\$ 9,460	\$ 214,918	\$ 56,604	\$ 11,759	\$ 10,813	\$ 10,921	\$ 10,360	\$ 10,510	\$ 10,337	\$ 9,858	\$ 10,051	\$ 301,755	\$ 72,849	\$ 374,605
LNG Plant Total	\$ 9,016	\$ 9,460	\$ 214,918	\$ 56,604	\$ 11,759	\$ 10,813	\$ 10,921	\$ 10,360	\$ 10,510	\$ 10,337	\$ 9,858	\$ 10,051	\$ 301,755	\$ 72,849	\$ 374,605
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 54,015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,015	\$ -	\$ 54,015
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 54,015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,015	\$ -	\$ 54,015
Total Commodity Cost	\$ 5,118,457	\$ 8,068,976	\$ 9,306,319	\$ 7,714,935	\$ 6,828,928	\$ 3,157,717	\$ 2,083,664	\$ 1,551,255	\$ 1,536,015	\$ 1,548,959	\$ 1,633,244	\$ 2,782,144	\$ 37,037,616	\$ 14,292,999	\$ 51,330,614

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	557,913	803,100	905,359	777,368	736,963	206,776	148,517	113,227	111,792	112,173	116,678	181,797	3,780,704	990,961	4,771,665
New Hampshire Requirement	466,819	754,413	867,720	735,843	634,181	410,851	259,704	188,932	185,221	186,131	197,591	348,601	3,458,977	1,777,032	5,236,008
Northern Requirement	1,024,733	1,557,513	1,773,079	1,513,212	1,371,144	617,627	408,221	302,159	297,014	298,304	314,270	530,398	7,239,681	2,767,992	10,007,673
Chicago Path Supplies															
Chicago	12,423	61,810	99,564	74,423	28,228	100,861	16,563	0	0	0	0	56,231	276,449	173,655	450,104
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	12,423	61,810	99,564	74,423	28,228	100,861	16,563	0	0	0	0	56,231	276,449	173,655	450,104
PNTGS Path Supplies															
PNGTS	0	4,742	7,873	5,373	0	0	0	0	0	0	0	0	17,989	0	17,989
PNGTS Path Total	0	4,742	7,873	5,373	0	0	0	0	0	0	0	0	17,989	0	17,989
Niagara Path Supplies															
Niagara	0	27,910	45,601	28,189	7,868	1,305	0	0	0	0	0	0	109,567	1,305	110,872
Niagara Path Total	0	27,910	45,601	28,189	7,868	1,305	0	0	0	0	0	0	109,567	1,305	110,872
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	376,585	332,599	406,366	378,057	308,308	221,498	213,663	214,954	233,608	378,760	1,915,174	1,948,846	3,864,020
Tennessee Production Path Total	393,258	406,366	376,585	332,599	406,366	378,057	308,308	221,498	213,663	214,954	233,608	378,760	1,915,174	1,948,846	3,864,020
Tennessee Storage Path															
Tennessee Storage	0	17,756	81,955	74,024	81,955	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	79,311	64,199	0	0	0	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	12,766	396,584	1,018,016	920,766	674,082	0	0	0	0	0	0	0	3,022,213	0	3,022,213
Washington 10 Supply (Chicago)	450,597	522,405	0	0	159,303	0	0	0	0	0	0	0	1,132,305	0	1,132,305
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	463,362	918,990	1,018,016	920,766	833,385	0	0	0	0	0	0	0	4,154,518	0	4,154,518
New Lewiston Supplies															
Lewiston	0	7,550	33,345	14,056	0	0	0	0	0	0	0	0	54,951	0	54,951
New Lewiston Supplies Total	0	7,550	33,345	14,056	0	0	0	0	0	0	0	0	54,951	0	54,951
New TGP Zone 6 Supplies															
TGP Zone 6	75,027	46,795	80,716	57,217	11,946	56,743	0	0	0	0	0	12,058	271,702	68,801	340,503
New TGP Zone 6 Supplies Total	75,027	46,795	80,716	57,217	11,946	56,743	0	0	0	0	0	12,058	271,702	68,801	340,503
Lewiston LNG Plant															
LNG	1,350	1,395	25,602	6,563	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	36,305	9,630	45,935
LNG Plant Total	1,350	1,395	25,602	6,563	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	36,305	9,630	45,935
Peaking Supplies															
Peaking Supply 1	0	0	3,823	0	0	0	0	0	0	0	0	0	3,823	0	3,823
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	3,823	0	0	0	0	0	0	0	0	0	3,823	0	3,823
Northern Requirement	1,024,733	1,557,513	1,773,079	1,513,212	1,371,144	617,627	408,221	302,159	297,014	298,304	314,270	530,398	7,239,681	2,767,992	10,007,673
Total Delivered (Dth)	1,024,732	1,557,513	1,773,079	1,513,211	1,371,144	617,627	408,221	302,159	297,013	298,304	314,269	530,398	7,239,679	2,767,991	10,007,670

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 5.181	\$ 5.460	\$ 5.600	\$ 5.573	\$ 5.503	\$ 5.176	\$ 5.192					\$ 5.329	\$ 5.533	\$ 5.227	\$ 5.415
Chicago Path Total	\$ 5.181	\$ 5.460	\$ 5.600	\$ 5.573	\$ 5.503	\$ 5.176	\$ 5.192					\$ 5.329	\$ 5.533	\$ 5.227	\$ 5.415
PNTGS Path Supplies															
PNGTS		\$ 6.988	\$ 8.517	\$ 8.311									\$ 8.052		\$ 8.052
PNGTS Path Total		\$ 6.988	\$ 8.517	\$ 8.311									\$ 8.052		\$ 8.052
Niagara Path Supplies															
Niagara		\$ 5.636	\$ 5.769	\$ 5.744	\$ 5.676	\$ 5.233							\$ 5.722	\$ 5.233	\$ 5.717
Niagara Path Total		\$ 5.636	\$ 5.769	\$ 5.744	\$ 5.676	\$ 5.233							\$ 5.722	\$ 5.233	\$ 5.717
Tennessee Production Supplies															
Tennessee Production	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.194	\$ 5.152	\$ 5.173
Tennessee Production Path Total	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.194	\$ 5.152	\$ 5.173
Tennessee Storage Path															
Tennessee Storage		\$ 4.786	\$ 4.786	\$ 4.786	\$ 4.786								\$ 4.786		\$ 4.786
Tenn Zone 4 Spot	\$ 4.936	\$ 5.189				\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 5.049	\$ 5.132	\$ 5.115
Tennessee Storage Path Total	\$ 4.936	\$ 5.102	\$ 4.786	\$ 4.786	\$ 4.786	\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 4.881	\$ 5.132	\$ 5.028
Washington 10 Storage Path															
Washington 10 Storage	\$ 4.714	\$ 4.714	\$ 4.714	\$ 4.714	\$ 4.714								\$ 4.714		\$ 4.714
Washington 10 Supply (Chicago)	\$ 5.038	\$ 5.295			\$ 5.336								\$ 5.198		\$ 5.198
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 5.029	\$ 5.044	\$ 4.714	\$ 4.714	\$ 4.833								\$ 4.846		\$ 4.846
New Lewiston Supplies															
Lewiston		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.261		\$ 8.261
New Lewiston Supplies Total		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.261		\$ 8.261
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.983	\$ 5.250	\$ 6.633
New TGP Zone 6 Supplies Total	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.983	\$ 5.250	\$ 6.633
Lewiston LNG Plant															
LNG	\$ 6.679	\$ 6.781	\$ 8.395	\$ 8.624	\$ 8.429	\$ 8.009	\$ 7.829	\$ 7.674	\$ 7.534	\$ 7.410	\$ 7.302	\$ 7.205	\$ 8.312	\$ 7.565	\$ 8.155
LNG Plant Total	\$ 6.679	\$ 6.781	\$ 8.395	\$ 8.624	\$ 8.429	\$ 8.009	\$ 7.829	\$ 7.674	\$ 7.534	\$ 7.410	\$ 7.302	\$ 7.205	\$ 8.312	\$ 7.565	\$ 8.155
Peaking Supplies															
Peaking Supply 1			\$ 14.128										\$ 14.128		\$ 14.128
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 14.128										\$ 14.128		\$ 14.128
Total Cost per Dth	\$ 4.995	\$ 5.181	\$ 5.249	\$ 5.098	\$ 4.980	\$ 5.113	\$ 5.104	\$ 5.134	\$ 5.172	\$ 5.193	\$ 5.197	\$ 5.245	\$ 5.116	\$ 5.164	\$ 5.129

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 639,007	\$ 767,022	\$ 784,466	\$ 704,828	\$ 769,357	\$ 555,991	\$ 97,889	\$ -	\$ -	\$ -	\$ -	\$ 323,400	\$ 3,664,681	\$ 977,280	\$ 4,641,961
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 639,007	\$ 767,022	\$ 784,466	\$ 704,828	\$ 769,357	\$ 555,991	\$ 97,889	\$ -	\$ -	\$ -	\$ -	\$ 323,400	\$ 3,664,681	\$ 977,280	\$ 4,641,961
PNTGS Path Supplies															
PNGTS	\$ 141,624	\$ 21,791	\$ 58,706	\$ 28,660	\$ 24,644	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 275,424	\$ -	\$ 275,424
PNGTS Path Total	\$ 141,624	\$ 21,791	\$ 58,706	\$ 28,660	\$ 24,644	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 275,424	\$ -	\$ 275,424
Niagara Path Supplies															
Niagara	\$ 215,015	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,939,831	\$ -	\$ 1,939,831
Niagara Path Total	\$ 215,015	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,939,831	\$ -	\$ 1,939,831
Tennessee Production Supplies															
Tennessee Production	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,043,270	\$ 1,677,785	\$ 1,216,915	\$ 1,182,135	\$ 1,195,134	\$ 1,300,269	\$ 2,107,899	\$ 11,129,130	\$ 10,723,407	\$ 21,852,537
Tennessee Production Path Total	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,043,270	\$ 1,677,785	\$ 1,216,915	\$ 1,182,135	\$ 1,195,134	\$ 1,300,269	\$ 2,107,899	\$ 11,129,130	\$ 10,723,407	\$ 21,852,537
Tennessee Storage Path															
Tennessee Storage	\$ 13,954	\$ 79,772	\$ 432,580	\$ 390,717	\$ 432,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,349,596	\$ -	\$ 1,349,596
Tenn Zone 4 Spot	\$ 411,612	\$ 374,859	\$ -	\$ -	\$ 7	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 786,479	\$ 3,078,474	\$ 3,864,953
Tennessee Storage Path Total	\$ 425,567	\$ 454,631	\$ 432,580	\$ 390,717	\$ 432,580	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 2,136,075	\$ 3,078,474	\$ 5,214,549
Washington 10 Storage Path															
Washington 10 Storage	\$ 220,350	\$ 5,407,959	\$ 6,228,886	\$ 5,404,756	\$ 2,663,829	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,925,781	\$ -	\$ 19,925,781
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ 3,989	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,989	\$ -	\$ 3,989
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 220,350	\$ 5,407,959	\$ 6,228,886	\$ 5,404,756	\$ 2,667,818	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,929,770	\$ -	\$ 19,929,770
New Lewiston Supplies															
Lewiston	\$ 486,994	\$ 9,402	\$ 274,559	\$ 78,913	\$ 74,593	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 924,462	\$ -	\$ 924,462
New Lewiston Supplies Total	\$ 486,994	\$ 9,402	\$ 274,559	\$ 78,913	\$ 74,593	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 924,462	\$ -	\$ 924,462
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,475,908	\$ 429,097	\$ 891,990	\$ 605,025	\$ 1,713,364	\$ 343,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 77,621	\$ 5,115,383	\$ 420,648	\$ 5,536,031
New TGP Zone 6 Supplies Total	\$ 1,475,908	\$ 429,097	\$ 891,990	\$ 605,025	\$ 1,713,364	\$ 343,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 77,621	\$ 5,115,383	\$ 420,648	\$ 5,536,031
Lewiston LNG Plant															
LNG	\$ 9,636	\$ 10,094	\$ 162,357	\$ 39,870	\$ 12,110	\$ 11,167	\$ 11,293	\$ 10,725	\$ 10,891	\$ 10,723	\$ 10,235	\$ 10,445	\$ 234,067	\$ 75,480	\$ 309,547
LNG Plant Total	\$ 9,636	\$ 10,094	\$ 162,357	\$ 39,870	\$ 12,110	\$ 11,167	\$ 11,293	\$ 10,725	\$ 10,891	\$ 10,723	\$ 10,235	\$ 10,445	\$ 234,067	\$ 75,480	\$ 309,547
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 6,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,919	\$ -	\$ 6,919
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 6,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,919	\$ -	\$ 6,919
Total Commodity Cost	\$ 5,728,323	\$ 9,822,071	\$ 11,625,514	\$ 9,754,863	\$ 8,424,972	\$ 3,379,422	\$ 2,228,131	\$ 1,656,905	\$ 1,639,592	\$ 1,654,584	\$ 1,745,320	\$ 2,971,335	\$ 45,355,743	\$ 15,275,289	\$ 60,631,032

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	561,091	807,674	910,515	781,795	741,160	207,070	148,728	113,388	111,951	112,332	116,844	182,055	3,802,235	992,368	4,794,603
New Hampshire Requirement	470,898	761,004	875,301	742,272	639,721	415,038	262,351	190,858	187,109	188,028	199,605	352,154	3,489,196	1,795,142	5,284,339
Northern Requirement	1,031,988	1,568,678	1,785,816	1,524,068	1,380,881	622,108	411,079	304,246	299,060	300,360	316,449	534,209	7,291,431	2,787,510	10,078,941
Chicago Path Supplies															
Chicago	113,497	130,082	130,082	117,494	130,082	101,076	17,755	0	0	0	0	57,237	621,238	176,068	797,306
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	113,497	130,082	130,082	117,494	130,082	101,076	17,755	0	0	0	0	57,237	621,238	176,068	797,306
PNTGS Path Supplies															
PNGTS	24,434	2,944	6,577	3,288	3,774	0	0	0	0	0	0	0	41,017	0	41,017
PNGTS Path Total	24,434	2,944	6,577	3,288	3,774	0	0	0	0	0	0	0	41,017	0	41,017
Niagara Path Supplies															
Niagara	36,996	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	319,138	0	319,138
Niagara Path Total	36,996	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	319,138	0	319,138
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	378,377	309,974	223,585	215,710	217,010	235,788	379,946	1,979,397	1,960,388	3,939,785
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	378,377	309,974	223,585	215,710	217,010	235,788	379,946	1,979,397	1,960,388	3,939,785
Tennessee Storage Path															
Tennessee Storage	2,644	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	76,668	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	33,100	812,369	935,686	811,888	400,153	0	0	0	0	0	0	0	2,993,196	0	2,993,196
Washington 10 Supply (Chicago)	0	0	0	0	551	0	0	0	0	0	0	0	551	0	551
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	33,100	812,369	935,686	811,888	400,704	0	0	0	0	0	0	0	2,993,747	0	2,993,747
New Lewiston Supplies															
Lewiston	83,791	1,268	30,742	9,049	11,399	0	0	0	0	0	0	0	136,249	0	136,249
New Lewiston Supplies Total	83,791	1,268	30,742	9,049	11,399	0	0	0	0	0	0	0	136,249	0	136,249
New TGP Zone 6 Supplies															
TGP Zone 6	266,251	60,014	102,844	71,495	272,921	61,994	0	0	0	0	0	13,676	773,525	75,670	849,195
New TGP Zone 6 Supplies Total	266,251	60,014	102,844	71,495	272,921	61,994	0	0	0	0	0	13,676	773,525	75,670	849,195
Lewiston LNG Plant															
LNG	1,350	1,395	18,803	4,500	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	27,443	9,630	37,073
LNG Plant Total	1,350	1,395	18,803	4,500	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	27,443	9,630	37,073
Peaking Supplies															
Peaking Supply 1	0	0	476	0	0	0	0	0	0	0	0	0	476	0	476
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	476	0	0	0	0	0	0	0	0	0	476	0	476
Northern Requirement	1,031,988	1,568,678	1,785,816	1,524,068	1,380,881	622,108	411,079	304,246	299,060	300,360	316,449	534,209	7,291,431	2,787,510	10,078,941
Total Delivered (Dth)	1,031,989	1,568,678	1,785,816	1,524,067	1,380,881	622,108	411,079	304,246	299,060	300,360	316,449	534,209	7,291,431	2,787,511	10,078,942

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 5.630	\$ 5.896	\$ 6.031	\$ 5.999	\$ 5.914	\$ 5.501	\$ 5.513					\$ 5.650	\$ 5.899	\$ 5.551	\$ 5.822
Chicago Path Total	\$ 5.630	\$ 5.896	\$ 6.031	\$ 5.999	\$ 5.914	\$ 5.501	\$ 5.513					\$ 5.650	\$ 5.899	\$ 5.551	\$ 5.822
PNTGS Path Supplies															
PNGTS	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 6.715		\$ 6.715
PNGTS Path Total	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 6.715		\$ 6.715
Niagara Path Supplies															
Niagara	\$ 5.812	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.078		\$ 6.078
Niagara Path Total	\$ 5.812	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.078		\$ 6.078
Tennessee Production Supplies															
Tennessee Production	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.470	\$ 5.547
Tennessee Production Path Total	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.470	\$ 5.547
Tennessee Storage Path															
Tennessee Storage	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278								\$ 5.278		\$ 5.278
Tenn Zone 4 Spot	\$ 5.369	\$ 5.608			\$ 5.625	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.480	\$ 5.441	\$ 5.449
Tennessee Storage Path Total	\$ 5.366	\$ 5.547	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.351	\$ 5.441	\$ 5.404
Washington 10 Storage Path															
Washington 10 Storage	\$ 6.657	\$ 6.657	\$ 6.657	\$ 6.657	\$ 6.657								\$ 6.657		\$ 6.657
Washington 10 Supply (Chicago)					\$ 7.239								\$ 7.239		\$ 7.239
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 6.657	\$ 6.657	\$ 6.657	\$ 6.657	\$ 6.658								\$ 6.657		\$ 6.657
New Lewiston Supplies															
Lewiston	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 6.785		\$ 6.785
New Lewiston Supplies Total	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 6.785		\$ 6.785
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.613	\$ 5.559	\$ 6.519
New TGP Zone 6 Supplies Total	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.613	\$ 5.559	\$ 6.519
Lewiston LNG Plant															
LNG	\$ 7.138	\$ 7.236	\$ 8.635	\$ 8.859	\$ 8.681	\$ 8.272	\$ 8.096	\$ 7.944	\$ 7.807	\$ 7.686	\$ 7.582	\$ 7.488	\$ 8.529	\$ 7.838	\$ 8.350
LNG Plant Total	\$ 7.138	\$ 7.236	\$ 8.635	\$ 8.859	\$ 8.681	\$ 8.272	\$ 8.096	\$ 7.944	\$ 7.807	\$ 7.686	\$ 7.582	\$ 7.488	\$ 8.529	\$ 7.838	\$ 8.350
Peaking Supplies															
Peaking Supply 1			\$ 14.538										\$ 14.538		\$ 14.538
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 14.538										\$ 14.538		\$ 14.538
Total Cost per Dth	\$ 5.551	\$ 6.261	\$ 6.510	\$ 6.401	\$ 6.101	\$ 5.432	\$ 5.420	\$ 5.446	\$ 5.482	\$ 5.509	\$ 5.515	\$ 5.562	\$ 6.220	\$ 5.480	\$ 6.016

Northern Utilities, Inc.															
Low Case Normal Weather Scenario															
Delivered City-Gate Commodity Costs by Supply Source															
November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 680,224	\$ 809,699	\$ 826,101	\$ 742,297	\$ 810,526	\$ 592,320	\$ 121,812	\$ -	\$ -	\$ -	\$ -	\$ 351,950	\$ 3,868,847	\$ 1,066,081	\$ 4,934,928
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 680,224	\$ 809,699	\$ 826,101	\$ 742,297	\$ 810,526	\$ 592,320	\$ 121,812	\$ -	\$ -	\$ -	\$ -	\$ 351,950	\$ 3,868,847	\$ 1,066,081	\$ 4,934,928
PNTGS Path Supplies															
PNGTS	\$ 161,098	\$ 25,737	\$ 61,813	\$ 34,778	\$ 209,033	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 492,459	\$ -	\$ 492,459
PNGTS Path Total	\$ 161,098	\$ 25,737	\$ 61,813	\$ 34,778	\$ 209,033	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 492,459	\$ -	\$ 492,459
Niagara Path Supplies															
Niagara	\$ 231,162	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,036,570	\$ -	\$ 2,036,570
Niagara Path Total	\$ 231,162	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,036,570	\$ -	\$ 2,036,570
Tennessee Production Supplies															
Tennessee Production	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,147,100	\$ 1,778,283	\$ 1,304,334	\$ 1,267,340	\$ 1,281,390	\$ 1,393,224	\$ 2,225,517	\$ 11,718,763	\$ 11,397,189	\$ 23,115,952
Tennessee Production Path Total	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,147,100	\$ 1,778,283	\$ 1,304,334	\$ 1,267,340	\$ 1,281,390	\$ 1,393,224	\$ 2,225,517	\$ 11,718,763	\$ 11,397,189	\$ 23,115,952
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,654	\$ 459,053	\$ 414,628	\$ 459,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,417,380	\$ -	\$ 1,417,380
Tenn Zone 4 Spot	\$ 449,858	\$ 394,520	\$ -	\$ -	\$ 8	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 844,386	\$ 3,225,376	\$ 4,069,762
Tennessee Storage Path Total	\$ 449,858	\$ 479,173	\$ 459,053	\$ 414,628	\$ 459,053	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 2,261,766	\$ 3,225,376	\$ 5,487,141
Washington 10 Storage Path															
Washington 10 Storage	\$ 266,274	\$ 5,750,830	\$ 6,585,838	\$ 5,742,612	\$ 2,562,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,907,564	\$ -	\$ 20,907,564
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ 10,163	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,163	\$ -	\$ 10,163
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 266,274	\$ 5,750,830	\$ 6,585,838	\$ 5,742,612	\$ 2,572,173	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,917,727	\$ -	\$ 20,917,727
New Lewiston Supplies															
Lewiston	\$ 538,257	\$ 27,217	\$ 297,716	\$ 97,445	\$ 230,501	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,191,137	\$ -	\$ 1,191,137
New Lewiston Supplies Total	\$ 538,257	\$ 27,217	\$ 297,716	\$ 97,445	\$ 230,501	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,191,137	\$ -	\$ 1,191,137
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,559,140	\$ 497,963	\$ 1,013,631	\$ 681,163	\$ 1,796,868	\$ 405,823	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,365	\$ 5,548,764	\$ 511,188	\$ 6,059,952
New TGP Zone 6 Supplies Total	\$ 1,559,140	\$ 497,963	\$ 1,013,631	\$ 681,163	\$ 1,796,868	\$ 405,823	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,365	\$ 5,548,764	\$ 511,188	\$ 6,059,952
Lewiston LNG Plant															
LNG	\$ 10,019	\$ 10,491	\$ 191,097	\$ 50,570	\$ 12,607	\$ 11,622	\$ 11,751	\$ 11,158	\$ 11,330	\$ 11,154	\$ 10,646	\$ 10,863	\$ 274,784	\$ 78,525	\$ 353,308
LNG Plant Total	\$ 10,019	\$ 10,491	\$ 191,097	\$ 50,570	\$ 12,607	\$ 11,622	\$ 11,751	\$ 11,158	\$ 11,330	\$ 11,154	\$ 10,646	\$ 10,863	\$ 274,784	\$ 78,525	\$ 353,308
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 34,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,027	\$ -	\$ 34,027
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 34,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,027	\$ -	\$ 34,027
Total Commodity Cost	\$ 6,132,632	\$ 10,466,988	\$ 12,394,165	\$ 10,391,443	\$ 8,959,615	\$ 3,603,265	\$ 2,373,957	\$ 1,765,270	\$ 1,746,516	\$ 1,762,718	\$ 1,859,440	\$ 3,167,193	\$ 48,344,843	\$ 16,278,359	\$ 64,623,202

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	566,918	816,062	919,971	789,915	748,857	208,679	149,884	114,269	112,821	113,205	117,752	183,470	3,841,722	1,000,080	4,841,802
New Hampshire Requirement	478,684	773,588	889,775	754,546	650,299	423,832	267,910	194,902	191,073	192,011	203,834	359,615	3,546,892	1,833,178	5,380,069
Northern Requirement	1,045,602	1,589,649	1,809,745	1,544,461	1,399,156	632,511	417,793	309,171	303,894	305,217	321,586	543,086	7,388,614	2,833,258	10,221,872
Chicago Path Supplies															
Chicago	114,421	130,541	130,541	117,908	130,541	102,689	21,080	0	0	0	0	59,423	623,952	183,191	807,143
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	114,421	130,541	130,541	117,908	130,541	102,689	21,080	0	0	0	0	59,423	623,952	183,191	807,143
PNTGS Path Supplies															
PNGTS	26,426	3,345	6,712	3,865	30,692	0	0	0	0	0	0	0	71,041	0	71,041
PNGTS Path Total	26,426	3,345	6,712	3,865	30,692	0	0	0	0	0	0	0	71,041	0	71,041
Niagara Path Supplies															
Niagara	37,812	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	319,954	0	319,954
Niagara Path Total	37,812	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	319,954	0	319,954
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	379,048	313,364	228,510	220,544	221,866	240,925	382,561	1,979,397	1,986,817	3,966,214
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	379,048	313,364	228,510	220,544	221,866	240,925	382,561	1,979,397	1,986,817	3,966,214
Tennessee Storage Path															
Tennessee Storage	0	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	146,155	565,755	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	38,121	823,308	942,850	822,131	366,786	0	0	0	0	0	0	0	2,993,196	0	2,993,196
Washington 10 Supply (Chicago)	0	0	0	0	1,351	0	0	0	0	0	0	0	1,351	0	1,351
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	38,121	823,308	942,850	822,131	368,136	0	0	0	0	0	0	0	2,994,546	0	2,994,546
New Lewiston Supplies															
Lewiston	88,080	3,533	32,315	10,825	33,783	0	0	0	0	0	0	0	168,536	0	168,536
New Lewiston Supplies Total	88,080	3,533	32,315	10,825	33,783	0	0	0	0	0	0	0	168,536	0	168,536
New TGP Zone 6 Supplies															
TGP Zone 6	266,823	66,922	113,176	77,896	274,003	70,113	0	0	0	0	0	17,751	798,820	87,864	886,684
New TGP Zone 6 Supplies Total	266,823	66,922	113,176	77,896	274,003	70,113	0	0	0	0	0	17,751	798,820	87,864	886,684
Lewiston LNG Plant															
LNG	1,350	1,395	21,250	5,482	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	30,872	9,630	40,502
LNG Plant Total	1,350	1,395	21,250	5,482	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	30,872	9,630	40,502
Peaking Supplies															
Peaking Supply 1	0	0	2,296	0	0	0	0	0	0	0	0	0	2,296	0	2,296
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	2,296	0	0	0	0	0	0	0	0	0	2,296	0	2,296
Northern Requirement	1,045,602	1,589,649	1,809,745	1,544,461	1,399,156	632,511	417,793	309,171	303,894	305,217	321,586	543,086	7,388,614	2,833,258	10,221,872
Total Delivered (Dth)	1,045,602	1,589,650	1,809,746	1,544,461	1,399,156	632,511	417,794	309,171	303,894	305,216	321,586	543,085	7,388,615	2,833,257	10,221,872

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.945	\$ 6.203	\$ 6.328	\$ 6.296	\$ 6.209	\$ 5.768	\$ 5.779					\$ 5.923	\$ 6.201	\$ 5.819	\$ 6.114
Dawn															
Iroquois Receipts															
Wright															
Chicago Path Total	\$ 5.945	\$ 6.203	\$ 6.328	\$ 6.296	\$ 6.209	\$ 5.768	\$ 5.779					\$ 5.923	\$ 6.201	\$ 5.819	\$ 6.114
PNTGS Path Supplies															
PNGTS	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 6.932		\$ 6.932
PNGTS Path Total	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 6.932		\$ 6.932
Niagara Path Supplies															
Niagara	\$ 6.113	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.365		\$ 6.365
Niagara Path Total	\$ 6.113	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.365		\$ 6.365
Tennessee Production Supplies															
Tennessee Production	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.736	\$ 5.828
Tennessee Production Path Total	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.736	\$ 5.828
Tennessee Storage Path															
Tennessee Storage		\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.601								\$ 5.601		\$ 5.601
Tenn Zone 4 Spot	\$ 5.672	\$ 5.902			\$ 5.908	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.777	\$ 5.701	\$ 5.717
Tennessee Storage Path Total	\$ 5.672	\$ 5.847	\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.666	\$ 5.701	\$ 5.686
Washington 10 Storage Path															
Washington 10 Storage	\$ 6.985	\$ 6.985	\$ 6.985	\$ 6.985	\$ 6.985								\$ 6.985		\$ 6.985
Washington 10 Supply (Chicago)					\$ 7.525								\$ 7.525		\$ 7.525
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 6.985	\$ 6.985	\$ 6.985	\$ 6.985	\$ 6.987								\$ 6.985		\$ 6.985
New Lewiston Supplies															
Lewiston	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.068		\$ 7.068
New Lewiston Supplies Total	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.068		\$ 7.068
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 6.946	\$ 5.818	\$ 6.834
New TGP Zone 6 Supplies Total	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 6.946	\$ 5.818	\$ 6.834
Lewiston LNG Plant															
LNG	\$ 7.422	\$ 7.520	\$ 8.993	\$ 9.225	\$ 9.037	\$ 8.609	\$ 8.424	\$ 8.266	\$ 8.122	\$ 7.996	\$ 7.886	\$ 7.787	\$ 8.901	\$ 8.154	\$ 8.723
LNG Plant Total	\$ 7.422	\$ 7.520	\$ 8.993	\$ 9.225	\$ 9.037	\$ 8.609	\$ 8.424	\$ 8.266	\$ 8.122	\$ 7.996	\$ 7.886	\$ 7.787	\$ 8.901	\$ 8.154	\$ 8.723
Peaking Supplies															
Peaking Supply 1			\$ 14.821										\$ 14.821		\$ 14.821
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 14.821										\$ 14.821		\$ 14.821
Total Cost per Dth	\$ 5.865	\$ 6.584	\$ 6.849	\$ 6.728	\$ 6.404	\$ 5.697	\$ 5.682	\$ 5.710	\$ 5.747	\$ 5.775	\$ 5.782	\$ 5.832	\$ 6.543	\$ 5.745	\$ 6.322

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered City-Gate Commodity Costs by Supply Source November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 653,795	\$ 845,123	\$ 861,801	\$ 802,204	\$ 846,225	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,009,148	\$ -	\$ 4,009,148
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 653,795	\$ 845,123	\$ 861,801	\$ 802,204	\$ 846,225	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,009,148	\$ -	\$ 4,009,148
PNTGS Path Supplies															
PNGTS	\$ 137,727	\$ 13,450	\$ 62,276	\$ 10,147	\$ 151,268	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 374,869	\$ -	\$ 374,869
PNGTS Path Total	\$ 137,727	\$ 13,450	\$ 62,276	\$ 10,147	\$ 151,268	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 374,869	\$ -	\$ 374,869
Niagara Path Supplies															
Niagara	\$ 186,318	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 9,598	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,080,938	\$ 9,598	\$ 2,090,536
Niagara Path Total	\$ 186,318	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 9,598	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,080,938	\$ 9,598	\$ 2,090,536
Tennessee Production Supplies															
Tennessee Production	\$ 2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$ 2,243,336	\$ 1,900,566	\$ 1,380,848	\$ 1,341,380	\$ 1,356,417	\$ 1,474,468	\$ 2,334,702	\$ 12,334,273	\$ 12,031,718	\$ 24,365,991
Tennessee Production Path Total	\$ 2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$ 2,243,336	\$ 1,900,566	\$ 1,380,848	\$ 1,341,380	\$ 1,356,417	\$ 1,474,468	\$ 2,334,702	\$ 12,334,273	\$ 12,031,718	\$ 24,365,991
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 73,230	\$ 481,300	\$ 450,248	\$ 481,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,486,071	\$ -	\$ 1,486,071
Tenn Zone 4 Spot	\$ 470,773	\$ 428,236	\$ -	\$ -	\$ 8	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 899,018	\$ 3,364,582	\$ 4,263,600
Tennessee Storage Path Total	\$ 470,773	\$ 501,467	\$ 481,300	\$ 450,248	\$ 481,300	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 2,385,089	\$ 3,364,582	\$ 5,749,671
Washington 10 Storage Path															
Washington 10 Storage	\$ 193,725	\$ 6,049,815	\$ 6,889,663	\$ 6,035,708	\$ 2,556,536	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,725,446	\$ -	\$ 21,725,446
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 193,725	\$ 6,049,815	\$ 6,889,663	\$ 6,035,708	\$ 2,556,536	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,725,446	\$ -	\$ 21,725,446
New Lewiston Supplies															
Lewiston	\$ 449,035	\$ 4,508	\$ 280,856	\$ 48,182	\$ 66,678	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 849,259	\$ -	\$ 849,259
New Lewiston Supplies Total	\$ 449,035	\$ 4,508	\$ 280,856	\$ 48,182	\$ 66,678	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 849,259	\$ -	\$ 849,259
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 2,019,483	\$ 619,109	\$ 1,265,203	\$ 695,911	\$ 2,319,220	\$ 1,071,758	\$ 109,477	\$ -	\$ -	\$ -	\$ -	\$ 505,011	\$ 6,918,925	\$ 1,686,246	\$ 8,605,171
New TGP Zone 6 Supplies Total	\$ 2,019,483	\$ 619,109	\$ 1,265,203	\$ 695,911	\$ 2,319,220	\$ 1,071,758	\$ 109,477	\$ -	\$ -	\$ -	\$ -	\$ 505,011	\$ 6,918,925	\$ 1,686,246	\$ 8,605,171
Lewiston LNG Plant															
LNG	\$ 10,418	\$ 10,898	\$ 158,303	\$ 12,038	\$ 12,647	\$ 11,714	\$ 11,870	\$ 11,294	\$ 11,490	\$ 11,331	\$ 10,833	\$ 11,180	\$ 204,304	\$ 79,712	\$ 284,016
LNG Plant Total	\$ 10,418	\$ 10,898	\$ 158,303	\$ 12,038	\$ 12,647	\$ 11,714	\$ 11,870	\$ 11,294	\$ 11,490	\$ 11,331	\$ 10,833	\$ 11,180	\$ 204,304	\$ 79,712	\$ 284,016
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 4,898	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,898	\$ -	\$ 4,898
Peaking Supply 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ -	\$ 4,898	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,898	\$ -	\$ 4,898
Total Commodity Cost	\$ 6,464,288	\$ 11,037,689	\$ 13,057,621	\$ 10,896,391	\$ 9,431,161	\$ 3,802,031	\$ 2,504,056	\$ 1,861,307	\$ 1,840,666	\$ 1,858,038	\$ 1,960,419	\$ 3,345,339	\$ 50,887,150	\$ 17,171,856	\$ 68,059,007

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	571,961	823,321	928,155	796,941	755,519	209,350	150,365	114,636	113,183	113,569	118,130	184,060	3,875,896	1,003,293	4,879,189
New Hampshire Requirement	485,994	785,400	903,361	766,067	660,229	430,076	271,857	197,774	193,889	194,841	206,838	364,914	3,601,051	1,860,188	5,461,240
Northern Requirement	1,057,954	1,608,721	1,831,516	1,563,009	1,415,748	639,426	422,222	312,409	307,072	308,410	324,968	548,974	7,476,947	2,863,481	10,340,428
Chicago Path Supplies															
Chicago	105,135	130,541	130,541	122,119	130,541	0	0	0	0	0	0	0	618,877	0	618,877
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	105,135	130,541	130,541	122,119	130,541	0	0	0	0	0	0	0	618,877	0	618,877
PNTGS Path Supplies															
PNGTS	21,665	1,692	6,577	1,096	21,394	0	0	0	0	0	0	0	52,424	0	52,424
PNGTS Path Total	21,665	1,692	6,577	1,096	21,394	0	0	0	0	0	0	0	52,424	0	52,424
Niagara Path Supplies															
Niagara	29,233	72,284	72,284	67,621	72,284	1,588	0	0	0	0	0	0	313,706	1,588	315,295
Niagara Path Total	29,233	72,284	72,284	67,621	72,284	1,588	0	0	0	0	0	0	313,706	1,588	315,295
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	379,379	320,747	231,749	223,722	225,060	244,307	384,020	1,992,506	2,008,983	4,001,489
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	379,379	320,747	231,749	223,722	225,060	244,307	384,020	1,992,506	2,008,983	4,001,489
Tennessee Storage Path															
Tennessee Storage	0	12,470	81,955	76,668	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	69,486	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	148,798	565,755	714,553
Tennessee Storage Path Total	79,311	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	401,845	565,755	967,599
Washington 10 Storage Path															
Washington 10 Storage	26,690	833,506	949,215	831,562	352,223	0	0	0	0	0	0	0	2,993,196	0	2,993,196
Washington 10 Supply (Chicago)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	26,690	833,506	949,215	831,562	352,223	0	0	0	0	0	0	0	2,993,196	0	2,993,196
New Lewiston Supplies															
Lewiston	70,481	566	29,651	5,203	9,415	0	0	0	0	0	0	0	115,316	0	115,316
New Lewiston Supplies Total	70,481	566	29,651	5,203	9,415	0	0	0	0	0	0	0	115,316	0	115,316
New TGP Zone 6 Supplies															
TGP Zone 6	330,832	80,416	137,281	77,286	340,173	177,797	18,125	0	0	0	0	81,604	965,988	277,526	1,243,514
New TGP Zone 6 Supplies Total	330,832	80,416	137,281	77,286	340,173	177,797	18,125	0	0	0	0	81,604	965,988	277,526	1,243,514
Lewiston LNG Plant															
LNG	1,350	1,395	17,321	1,305	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	22,766	9,630	32,396
LNG Plant Total	1,350	1,395	17,321	1,305	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	22,766	9,630	32,396
Peaking Supplies															
Peaking Supply 1	0	0	325	0	0	0	0	0	0	0	0	0	325	0	325
Peaking Supply 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	0	325	0	0	0	0	0	0	0	0	0	325	0	325
Northern Requirement	1,057,954	1,608,721	1,831,516	1,563,009	1,415,748	639,426	422,222	312,409	307,072	308,410	324,968	548,974	7,476,947	2,863,481	10,340,428
Total Delivered (Dth)	1,057,955	1,608,721	1,831,516	1,563,008	1,415,748	639,426	422,222	312,410	307,072	308,410	324,968	548,974	7,476,948	2,863,482	10,340,430

Northern Utilities, Inc. Low Case Normal Weather Scenario Delivered Commodity Cost per Dth by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn	\$ 6.219	\$ 6.474	\$ 6.602	\$ 6.569	\$ 6.482								\$ 6.478		\$ 6.478
Iroquois Receipts															
Wright															
Chicago Path Total	\$ 6.219	\$ 6.474	\$ 6.602	\$ 6.569	\$ 6.482								\$ 6.478		\$ 6.478
PNTGS Path Supplies															
PNGTS	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071								\$ 7.151		\$ 7.151
PNGTS Path Total	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071								\$ 7.151		\$ 7.151
Niagara Path Supplies															
Niagara	\$ 6.374	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.043							\$ 6.633	\$ 6.043	\$ 6.630
Niagara Path Total	\$ 6.374	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.043							\$ 6.633	\$ 6.043	\$ 6.630
Tennessee Production Supplies															
Tennessee Production	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.989	\$ 6.089
Tennessee Production Path Total	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.989	\$ 6.089
Tennessee Storage Path															
Tennessee Storage		\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.873								\$ 5.873		\$ 5.873
Tenn Zone 4 Spot	\$ 5.936	\$ 6.163			\$ 6.171	\$ 5.871	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 6.042	\$ 5.947	\$ 5.967
Tennessee Storage Path Total	\$ 5.936	\$ 6.119	\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.871	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 5.935	\$ 5.947	\$ 5.942
Washington 10 Storage Path															
Washington 10 Storage	\$ 7.258	\$ 7.258	\$ 7.258	\$ 7.258	\$ 7.258								\$ 7.258		\$ 7.258
Washington 10 Supply (Chicago)															
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 7.258	\$ 7.258	\$ 7.258	\$ 7.258	\$ 7.258								\$ 7.258		\$ 7.258
New Lewiston Supplies															
Lewiston	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082								\$ 7.365		\$ 7.365
New Lewiston Supplies Total	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082								\$ 7.365		\$ 7.365
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.163	\$ 6.076	\$ 6.920
New TGP Zone 6 Supplies Total	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.163	\$ 6.076	\$ 6.920
Lewiston LNG Plant															
LNG	\$ 7.717	\$ 7.812	\$ 9.139	\$ 9.225	\$ 9.066	\$ 8.677	\$ 8.509	\$ 8.366	\$ 8.236	\$ 8.123	\$ 8.024	\$ 8.014	\$ 8.974	\$ 8.278	\$ 8.767
LNG Plant Total	\$ 7.717	\$ 7.812	\$ 9.139	\$ 9.225	\$ 9.066	\$ 8.677	\$ 8.509	\$ 8.366	\$ 8.236	\$ 8.123	\$ 8.024	\$ 8.014	\$ 8.974	\$ 8.278	\$ 8.767
Peaking Supplies															
Peaking Supply 1			\$ 15.081										\$ 15.081		\$ 15.081
Peaking Supply 2															
Peaking Supply 3															
Peaking Supply Total			\$ 15.081										\$ 15.081		\$ 15.081
Total Cost per Dth	\$ 6.110	\$ 6.861	\$ 7.129	\$ 6.971	\$ 6.662	\$ 5.946	\$ 5.931	\$ 5.958	\$ 5.994	\$ 6.025	\$ 6.033	\$ 6.094	\$ 6.806	\$ 5.997	\$ 6.582

Appendix VI-6(7). Base Case Design with Cold Snap Commodity Costs

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered City-Gate Commodity Costs by Supply Source November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 759,930	\$ 861,361	\$ 881,539	\$ 683,548	\$ 735,566	\$ 639,415	\$ 111,532	\$ -	\$ -	\$ -	\$ -	\$ 368,927	\$ 3,921,945	\$ 1,119,875	\$ 5,041,820
Dawn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Iroquois Receipts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 759,930	\$ 861,361	\$ 881,539	\$ 683,548	\$ 735,566	\$ 639,415	\$ 111,532	\$ -	\$ -	\$ -	\$ -	\$ 368,927	\$ 3,921,945	\$ 1,119,875	\$ 5,041,820
PNTGS Path Supplies															
PNTGS	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 40,995	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,547	\$ 940,415	\$ 46,543	\$ 986,957
PNTGS Path Total	\$ 178,254	\$ 191,419	\$ 194,705	\$ 182,201	\$ 193,837	\$ 40,995	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,547	\$ 940,415	\$ 46,543	\$ 986,957
Niagara Path Supplies															
Niagara	\$ -	\$ 140,333	\$ 246,178	\$ 215,106	\$ 170,271	\$ 152,283	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,813	\$ 771,888	\$ 183,096	\$ 954,984
Niagara Path Total	\$ -	\$ 140,333	\$ 246,178	\$ 215,106	\$ 170,271	\$ 152,283	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,813	\$ 771,888	\$ 183,096	\$ 954,984
Tennessee Production Supplies															
Tennessee Production	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,732,053	\$1,447,580	\$1,062,928	\$1,033,493	\$1,045,446	\$1,141,573	\$1,824,347	\$ 9,030,568	\$ 9,287,420	\$ 18,317,988
Tennessee Production Path Total	\$1,682,014	\$ 1,836,624	\$ 1,881,455	\$1,760,862	\$1,869,613	\$1,732,053	\$1,447,580	\$1,062,928	\$1,033,493	\$1,045,446	\$1,141,573	\$1,824,347	\$ 9,030,568	\$ 9,287,420	\$ 18,317,988
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ -	\$ 394,772	\$ 369,302	\$ 394,772	\$ 72,793	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,158,846	\$ 72,793	\$ 1,231,639
Tenn Zone 4 Spot	\$ 340,858	\$ 371,588	\$ -	\$ -	\$ -	\$ 293,037	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 712,447	\$ 2,567,034	\$ 3,279,481
Tennessee Storage Path Total	\$ 340,858	\$ 371,588	\$ 394,772	\$ 369,302	\$ 394,772	\$ 365,830	\$ 376,410	\$ 367,324	\$ 383,226	\$ 385,221	\$ 373,438	\$ 388,379	\$ 1,871,293	\$ 2,639,827	\$ 4,511,120
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 3,773,464	\$ 4,332,505	\$4,011,878	\$2,640,769	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,758,617	\$ -	\$ 14,758,617
Washington 10 Supply (Chicago)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 AMA Spot (PNTGS)	\$1,428,714	\$ -	\$ -	\$ -	\$ 512,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,941,674	\$ -	\$ 1,941,674
W10 Path Total	\$1,428,714	\$ 3,773,464	\$ 4,332,505	\$4,011,878	\$3,153,729	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,700,291	\$ -	\$ 16,700,291
New Lewiston Supplies															
Lewiston	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 31,801	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 353	\$ 5,202,549	\$ 32,154	\$ 5,234,703
New Lewiston Supplies Total	\$ 986,370	\$ 1,058,975	\$ 1,077,048	\$1,007,880	\$1,072,275	\$ 31,801	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 353	\$ 5,202,549	\$ 32,154	\$ 5,234,703
New TGP Zone 6 Supplies															
TGP Zone 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New TGP Zone 6 Supplies Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lewiston LNG Plant															
LNG	\$ 8,303	\$ 238,376	\$ 258,770	\$ 388,614	\$ 11,276	\$ 10,310	\$ 10,387	\$ 9,832	\$ 9,954	\$ 9,773	\$ 9,305	\$ 9,599	\$ 905,338	\$ 69,161	\$ 974,498
LNG Plant Total	\$ 8,303	\$ 238,376	\$ 258,770	\$ 388,614	\$ 11,276	\$ 10,310	\$ 10,387	\$ 9,832	\$ 9,954	\$ 9,773	\$ 9,305	\$ 9,599	\$ 905,338	\$ 69,161	\$ 974,498
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 670,345	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 670,345	\$ -	\$ 670,345
Peaking Supply 2	\$ -	\$ -	\$ 18,635	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,635	\$ -	\$ 18,635
Peaking Supply 3	\$ -	\$ 269,355	\$ 1,790,885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,060,240	\$ -	\$ 2,060,240
Peaking Supply Total	\$ -	\$ 269,355	\$ 2,479,864	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,749,220	\$ -	\$ 2,749,220
Total Commodity Cost	\$5,384,444	\$ 8,741,496	\$11,746,837	\$8,619,392	\$7,601,337	\$2,972,686	\$1,945,909	\$1,440,084	\$1,426,673	\$1,440,439	\$1,524,316	\$2,627,967	\$ 42,093,506	\$ 13,378,075	\$ 55,471,581

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	617,061	897,251	1,036,264	880,904	817,901	218,085	154,660	116,577	114,811	115,224	120,322	190,772	4,249,380	1,030,449	5,279,829
New Hampshire Requirement	521,985	853,253	1,010,142	841,233	709,487	425,752	267,130	193,101	189,044	189,998	202,179	360,326	3,936,100	1,827,529	5,763,629
Northern Requirement	1,139,046	1,750,504	2,046,405	1,722,137	1,527,387	643,837	421,789	309,677	303,855	305,222	322,500	551,098	8,185,480	2,857,979	11,043,458
Chicago Path Supplies															
Chicago	168,584	180,896	180,896	140,308	151,904	137,450	23,900	0	0	0	0	76,379	822,588	237,729	1,060,317
Dawn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iroquois Receipts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	168,584	180,896	180,896	140,308	151,904	137,450	23,900	0	0	0	0	76,379	822,588	237,729	1,060,317
PNTGS Path Supplies															
PNGTS	29,895	30,892	30,892	28,899	30,892	8,387	0	0	0	0	0	1,096	151,468	9,483	160,951
PNGTS Path Total	29,895	30,892	30,892	28,899	30,892	8,387	0	0	0	0	0	1,096	151,468	9,483	160,951
Niagara Path Supplies															
Niagara	0	28,173	48,373	42,252	33,679	32,071	0	0	0	0	0	6,261	152,478	38,332	190,810
Niagara Path Total	0	28,173	48,373	42,252	33,679	32,071	0	0	0	0	0	6,261	152,478	38,332	190,810
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	378,787	314,540	229,017	220,505	221,872	241,840	383,942	1,992,506	1,990,501	3,983,007
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	378,787	314,540	229,017	220,505	221,872	241,840	383,942	1,992,506	1,990,501	3,983,007
Tennessee Storage Path															
Tennessee Storage	0	0	81,955	76,668	81,955	15,112	0	0	0	0	0	0	240,578	15,112	255,690
Tenn Zone 4 Spot	79,311	81,955	0	0	0	64,199	81,955	79,311	81,955	81,955	79,311	81,955	161,267	550,643	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	401,845	565,755	967,599
Washington 10 Storage Path															
Washington 10 Storage	0	797,230	915,341	847,601	557,923	0	0	0	0	0	0	0	3,118,095	0	3,118,095
Washington 10 Supply (Chicago)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 AMA Spot (PNGTS)	301,647	0	0	0	92,774	0	0	0	0	0	0	0	394,421	0	394,421
W10 Path Total	301,647	797,230	915,341	847,601	650,697	0	0	0	0	0	0	0	3,512,516	0	3,512,516
New Lewiston Supplies															
Lewiston	165,000	170,500	170,500	159,500	170,500	6,481	0	0	0	0	0	70	836,000	6,550	842,550
New Lewiston Supplies Total	165,000	170,500	170,500	159,500	170,500	6,481	0	0	0	0	0	70	836,000	6,550	842,550
New Lewiston Supplies															
TGP Zone 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Lewiston Supplies Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewiston LNG Plant															
LNG	1,350	34,973	32,141	46,761	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	116,620	9,630	126,250
LNG Plant Total	1,350	34,973	32,141	46,761	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	116,620	9,630	126,250
Peaking Supplies															
Peaking Supply 1	0	0	49,825	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 2	0	0	1,337	0	0	0	0	0	0	0	0	0	1,337	0	1,337
Peaking Supply 3	0	19,518	128,780	0	0	0	0	0	0	0	0	0	148,298	0	148,298
Peaking Supply Total	0	19,518	179,442	0	0	0	0	0	0	0	0	0	199,460	0	199,460
Northern Requirement	1,139,046	1,750,504	2,046,405	1,722,137	1,527,387	643,837	421,789	309,677	303,855	305,222	322,500	551,098	8,185,480	2,857,979	11,043,458
Total Delivered (Dth)	1,139,046	1,750,504	2,046,406	1,722,137	1,527,388	643,837	421,790	309,678	303,855	305,222	322,501	551,098	8,185,481	2,857,981	11,043,462

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered Commodity Cost per Dth by Supply Source (Dth) November 2011 through October 2012															
Description	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago Dawn Iroquois Receipts Wright	\$ 4.508	\$ 4.762	\$ 4.873	\$ 4.872	\$ 4.842	\$ 4.652	\$ 4.667					\$ 4.830	\$ 4.768	\$ 4.711	\$ 4.755
Chicago Path Total	\$ 4.508	\$ 4.762	\$ 4.873	\$ 4.872	\$ 4.842	\$ 4.652	\$ 4.667					\$ 4.830	\$ 4.768	\$ 4.711	\$ 4.755
PNTGS Path Supplies															
PNGTS	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.908	\$ 6.132
PNGTS Path Total	\$ 5.963	\$ 6.196	\$ 6.303	\$ 6.305	\$ 6.275	\$ 4.888						\$ 5.061	\$ 6.209	\$ 4.908	\$ 6.132
Niagara Path Supplies															
Niagara		\$ 4.981	\$ 5.089	\$ 5.091	\$ 5.056	\$ 4.748						\$ 4.921	\$ 5.062	\$ 4.777	\$ 5.005
Niagara Path Total		\$ 4.981	\$ 5.089	\$ 5.091	\$ 5.056	\$ 4.748						\$ 4.921	\$ 5.062	\$ 4.777	\$ 5.005
Tennessee Production Supplies															
Tennessee Production	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.599
Tennessee Production Path Total	\$ 4.277	\$ 4.520	\$ 4.630	\$ 4.632	\$ 4.601	\$ 4.573	\$ 4.602	\$ 4.641	\$ 4.687	\$ 4.712	\$ 4.720	\$ 4.752	\$ 4.532	\$ 4.666	\$ 4.599
Tennessee Storage Path															
Tennessee Storage Tenn Zone 4 Spot	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.564	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.739	\$ 4.817	\$ 4.817	\$ 4.817
Tennessee Storage Path Total	\$ 4.298	\$ 4.534	\$ 4.817	\$ 4.817	\$ 4.817	\$ 4.613	\$ 4.593	\$ 4.631	\$ 4.676	\$ 4.700	\$ 4.708	\$ 4.739	\$ 4.657	\$ 4.666	\$ 4.662
Washington 10 Storage Path															
Washington 10 Storage Washington 10 Supply (Chicago) W10 AMA Spot (PNGTS)	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 5.529								\$ 4.733		\$ 4.733
W10 Path Total	\$ 4.736	\$ 4.733	\$ 4.733	\$ 4.733	\$ 4.847								\$ 4.923		\$ 4.923
New Lewiston Supplies															
Lewiston	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907						\$ 5.079	\$ 6.223	\$ 4.909	\$ 6.213
New Lewiston Supplies Total	\$ 5.978	\$ 6.211	\$ 6.317	\$ 6.319	\$ 6.289	\$ 4.907						\$ 5.079	\$ 6.223	\$ 4.909	\$ 6.213
New Lewiston Supplies															
TGP Zone 6 New Lewiston Supplies Total															
Lewiston LNG Plant															
LNG	\$ 6.150	\$ 6.816	\$ 8.051	\$ 8.311	\$ 8.083	\$ 7.637	\$ 7.446	\$ 7.283	\$ 7.136	\$ 7.006	\$ 6.893	\$ 6.881	\$ 7.763	\$ 7.182	\$ 7.719
LNG Plant Total	\$ 6.150	\$ 6.816	\$ 8.051	\$ 8.311	\$ 8.083	\$ 7.637	\$ 7.446	\$ 7.283	\$ 7.136	\$ 7.006	\$ 6.893	\$ 6.881	\$ 7.763	\$ 7.182	\$ 7.719
Peaking Supplies															
Peaking Supply 1			\$ 13.454										\$ 13.454		\$ 13.454
Peaking Supply 2			\$ 13.934										\$ 13.934		\$ 13.934
Peaking Supply 3		\$ 13.800	\$ 13.907										\$ 13.893		\$ 13.893
Peaking Supply Total		\$ 13.800	\$ 13.781										\$ 13.783		\$ 13.783
Total Cost per Dth	\$ 4.727	\$ 4.994	\$ 5.740	\$ 5.005	\$ 4.977	\$ 4.617	\$ 4.613	\$ 4.650	\$ 4.695	\$ 4.719	\$ 4.727	\$ 4.769	\$ 5.142	\$ 4.681	\$ 5.023

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered City-Gate Commodity Costs by Supply Source November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 236,946	\$ 664,586	\$ 856,890	\$ 763,295	\$ 446,922	\$ 716,412	\$ 130,987	\$ -	\$ -	\$ -	\$ -	\$ 415,861	\$ 2,968,639	\$ 1,263,260	\$ 4,231,899
Dawn	\$ -	\$ 169	\$ 309	\$ 221	\$ 97	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 796	\$ -	\$ 796
Iroquois Receipts	\$ -	\$ 51,479	\$ 93,935	\$ 67,359	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 212,773	\$ -	\$ 212,773
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 236,946	\$ 716,233	\$ 951,134	\$ 830,876	\$ 447,019	\$ 716,412	\$ 130,987	\$ -	\$ -	\$ -	\$ -	\$ 415,861	\$ 3,182,207	\$ 1,263,260	\$ 4,445,467
PNTGS Path Supplies															
PNGTS	\$ -	\$ 53,385	\$ 130,697	\$ 122,308	\$ 1,123	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 307,513	\$ -	\$ 307,513
PNGTS Path Total	\$ -	\$ 53,385	\$ 130,697	\$ 122,308	\$ 1,123	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 307,513	\$ -	\$ 307,513
Niagara Path Supplies															
Niagara	\$ -	\$ 185,957	\$ 336,345	\$ 248,082	\$ 128,232	\$ 6,152	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 898,616	\$ 6,152	\$ 904,768
Niagara Path Total	\$ -	\$ 185,957	\$ 336,345	\$ 248,082	\$ 128,232	\$ 6,152	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 898,616	\$ 6,152	\$ 904,768
Tennessee Production Supplies															
Tennessee Production	\$1,939,456	\$ 2,109,838	\$ 2,054,415	\$1,946,534	\$2,126,755	\$1,925,049	\$1,608,779	\$1,184,129	\$1,148,770	\$1,160,771	\$1,266,355	\$2,012,627	\$ 10,176,998	\$ 10,306,480	\$ 20,483,478
Tennessee Production Path Total	\$1,939,456	\$ 2,109,838	\$ 2,054,415	\$1,946,534	\$2,126,755	\$1,925,049	\$1,608,779	\$1,184,129	\$1,148,770	\$1,160,771	\$1,266,355	\$2,012,627	\$ 10,176,998	\$ 10,306,480	\$ 20,483,478
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,986	\$ 392,270	\$ 354,308	\$ 392,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,223,834	\$ -	\$ 1,223,834
Tenn Zone 4 Spot	\$ 391,457	\$ 333,148	\$ -	\$ -	\$ -	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 724,605	\$ 2,903,465	\$ 3,628,070
Tennessee Storage Path Total	\$ 391,457	\$ 418,133	\$ 392,270	\$ 354,308	\$ 392,270	\$ 401,190	\$ 415,810	\$ 404,971	\$ 421,546	\$ 423,292	\$ 410,039	\$ 426,616	\$ 1,948,439	\$ 2,903,465	\$ 4,851,904
Washington 10 Storage Path															
Washington 10 Storage	\$ 109,411	\$ 2,257,409	\$ 4,809,521	\$4,344,083	\$3,071,907	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,592,330	\$ -	\$ 14,592,330
Washington 10 Supply (Chicago)	\$2,376,845	\$ 2,693,085	\$ -	\$ -	\$1,434,635	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,504,564	\$ -	\$ 6,504,564
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$2,486,255	\$ 4,950,493	\$ 4,809,521	\$4,344,083	\$4,506,542	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,096,894	\$ -	\$ 21,096,894
New Lewiston Supplies															
Lewiston	\$ -	\$ 164,933	\$ 617,283	\$ 463,626	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,245,842	\$ -	\$ 1,245,842
New Lewiston Supplies Total	\$ -	\$ 164,933	\$ 617,283	\$ 463,626	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,245,842	\$ -	\$ 1,245,842
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 710,479	\$ 475,721	\$ 1,051,619	\$ 840,069	\$ 194,932	\$ 253,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,574	\$ 3,272,820	\$ 298,322	\$ 3,571,142
New TGP Zone 6 Supplies Total	\$ 710,479	\$ 475,721	\$ 1,051,619	\$ 840,069	\$ 194,932	\$ 253,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,574	\$ 3,272,820	\$ 298,322	\$ 3,571,142
Lewiston LNG Plant															
LNG	\$ 9,088	\$ 212,588	\$ 426,409	\$ 149,074	\$ 12,159	\$ 11,127	\$ 11,213	\$ 10,615	\$ 10,747	\$ 10,550	\$ 10,044	\$ 10,250	\$ 809,316	\$ 74,548	\$ 883,864
LNG Plant Total	\$ 9,088	\$ 212,588	\$ 426,409	\$ 149,074	\$ 12,159	\$ 11,127	\$ 11,213	\$ 10,615	\$ 10,747	\$ 10,550	\$ 10,044	\$ 10,250	\$ 809,316	\$ 74,548	\$ 883,864
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 34,237	\$ 669,384	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 703,621	\$ -	\$ 703,621
Peaking Supply 2	\$ -	\$ 18,863	\$ 708,809	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 727,672	\$ -	\$ 727,672
Peaking Supply 3	\$ -	\$ 608	\$ 4,907	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,514	\$ -	\$ 5,514
Peaking Supply Total	\$ -	\$ 53,708	\$ 1,383,099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,436,807	\$ -	\$ 1,436,807
Total Commodity Cost	\$5,773,681	\$ 9,340,989	\$12,152,791	\$9,298,960	\$7,809,031	\$3,313,679	\$2,166,790	\$1,599,716	\$1,581,063	\$1,594,613	\$1,686,439	\$2,909,927	\$ 44,375,453	\$ 14,852,227	\$ 59,227,680

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	624,235	907,817	1,048,519	891,304	827,503	218,728	155,053	116,830	115,050	115,465	120,589	191,303	4,299,379	1,033,019	5,332,398
New Hampshire Requirement	529,431	865,513	1,024,683	853,333	719,655	429,410	269,400	194,727	190,634	191,595	203,884	363,411	3,992,614	1,843,061	5,835,675
Northern Requirement	1,153,666	1,773,330	2,073,202	1,744,637	1,547,158	648,138	424,453	311,557	305,684	307,060	324,473	554,714	8,291,992	2,876,080	11,168,073
Chicago Path Supplies															
Chicago	45,893	122,153	153,531	137,438	81,537	138,747	25,369	0	0	0	0	78,271	540,552	242,386	782,938
Dawn	0	30	53	38	17	0	0	0	0	0	0	0	139	0	139
Iroquois Receipts	0	8,381	14,962	10,775	0	0	0	0	0	0	0	0	34,119	0	34,119
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	45,893	130,564	168,547	148,251	81,554	138,747	25,369	0	0	0	0	78,271	574,809	242,386	817,196
PNTGS Path Supplies															
PNGTS	0	7,639	15,346	14,717	183	0	0	0	0	0	0	0	37,885	0	37,885
PNGTS Path Total	0	7,639	15,346	14,717	183	0	0	0	0	0	0	0	37,885	0	37,885
Niagara Path Supplies															
Niagara	0	32,991	58,294	43,187	22,591	1,176	0	0	0	0	0	0	157,063	1,176	158,239
Niagara Path Total	0	32,991	58,294	43,187	22,591	1,176	0	0	0	0	0	0	157,063	1,176	158,239
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	385,493	367,041	406,366	378,982	315,734	230,896	222,334	223,710	243,812	384,792	1,958,524	2,000,259	3,958,783
Tennessee Production Path Total	393,258	406,366	385,493	367,041	406,366	378,982	315,734	230,896	222,334	223,710	243,812	384,792	1,958,524	2,000,259	3,958,783
Tennessee Storage Path															
Tennessee Storage	0	17,756	81,955	74,024	81,955	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	79,311	64,199	0	0	0	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	23,191	478,477	1,019,419	920,766	651,117	0	0	0	0	0	0	0	3,092,970	0	3,092,970
Washington 10 Supply (Chicago)	471,756	508,650	0	0	268,881	0	0	0	0	0	0	0	1,249,287	0	1,249,287
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	494,947	987,127	1,019,419	920,766	919,998	0	0	0	0	0	0	0	4,342,258	0	4,342,258
New Lewiston Supplies															
Lewiston	0	23,562	72,426	55,738	0	0	0	0	0	0	0	0	151,725	0	151,725
New Lewiston Supplies Total	0	23,562	72,426	55,738	0	0	0	0	0	0	0	0	151,725	0	151,725
New TGP Zone 6 Supplies															
TGP Zone 6	138,907	70,629	127,256	104,252	33,115	48,572	0	0	0	0	0	8,301	474,158	56,873	531,031
New TGP Zone 6 Supplies Total	138,907	70,629	127,256	104,252	33,115	48,572	0	0	0	0	0	8,301	474,158	56,873	531,031
Lewiston LNG Plant															
LNG	1,350	28,704	48,230	16,662	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	96,341	9,630	105,971
LNG Plant Total	1,350	28,704	48,230	16,662	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	96,341	9,630	105,971
Peaking Supplies															
Peaking Supply 1	0	2,446	47,379	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 2	0	1,303	48,522	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 3	0	42	337	0	0	0	0	0	0	0	0	0	379	0	379
Peaking Supply Total	0	3,791	96,237	0	0	0	0	0	0	0	0	0	100,029	0	100,029
Northern Requirement	1,153,666	1,773,330	2,073,202	1,744,637	1,547,158	648,138	424,453	311,557	305,684	307,060	324,473	554,714	8,291,992	2,876,080	11,168,073
Total Delivered (Dth)	1,153,666	1,773,330	2,073,202	1,744,637	1,547,158	648,138	424,453	311,557	305,684	307,060	324,473	554,714	8,291,993	2,876,079	11,168,072

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered Commodity Cost per Dth by Supply Source (Dth) November 2012 through October 2013															
Description	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.163	\$ 5.441	\$ 5.581	\$ 5.554	\$ 5.481	\$ 5.163	\$ 5.163					\$ 5.313	\$ 5.492	\$ 5.212	\$ 5.405
Dawn		\$ 5.637	\$ 5.776	\$ 5.748	\$ 5.677								\$ 5.726		\$ 5.726
Iroquois Receipts		\$ 6.142	\$ 6.278	\$ 6.251									\$ 6.236		\$ 6.236
Wright															
Chicago Path Total	\$ 5.163	\$ 5.486	\$ 5.643	\$ 5.605	\$ 5.481	\$ 5.163	\$ 5.163					\$ 5.313	\$ 5.536	\$ 5.212	\$ 5.440
PNTGS Path Supplies															
PNGTS		\$ 6.988	\$ 8.517	\$ 8.311	\$ 6.139								\$ 8.117		\$ 8.117
PNGTS Path Total		\$ 6.988	\$ 8.517	\$ 8.311	\$ 6.139								\$ 8.117		\$ 8.117
Niagara Path Supplies															
Niagara		\$ 5.637	\$ 5.770	\$ 5.744	\$ 5.676	\$ 5.233							\$ 5.721	\$ 5.233	\$ 5.718
Niagara Path Total		\$ 5.637	\$ 5.770	\$ 5.744	\$ 5.676	\$ 5.233							\$ 5.721	\$ 5.233	\$ 5.718
Tennessee Production Supplies															
Tennessee Production	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.196	\$ 5.153	\$ 5.174
Tennessee Production Path Total	\$ 4.932	\$ 5.192	\$ 5.329	\$ 5.303	\$ 5.234	\$ 5.080	\$ 5.095	\$ 5.128	\$ 5.167	\$ 5.189	\$ 5.194	\$ 5.230	\$ 5.196	\$ 5.153	\$ 5.174
Tennessee Storage Path															
Tennessee Storage		\$ 4.786	\$ 4.786	\$ 4.786	\$ 4.786								\$ 4.786		\$ 4.786
Tenn Zone 4 Spot	\$ 4.936	\$ 5.189				\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 5.049	\$ 5.132	\$ 5.115
Tennessee Storage Path Total	\$ 4.936	\$ 5.102	\$ 4.786	\$ 4.786	\$ 4.786	\$ 5.058	\$ 5.074	\$ 5.106	\$ 5.144	\$ 5.165	\$ 5.170	\$ 5.205	\$ 4.881	\$ 5.132	\$ 5.028
Washington 10 Storage Path															
Washington 10 Storage	\$ 4.718	\$ 4.718	\$ 4.718	\$ 4.718	\$ 4.718								\$ 4.718		\$ 4.718
Washington 10 Supply (Chicago)	\$ 5.038	\$ 5.295			\$ 5.336								\$ 5.207		\$ 5.207
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 5.023	\$ 5.015	\$ 4.718	\$ 4.718	\$ 4.898								\$ 4.859		\$ 4.859
New Lewiston Supplies															
Lewiston		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.211		\$ 8.211
New Lewiston Supplies Total		\$ 7.000	\$ 8.523	\$ 8.318									\$ 8.211		\$ 8.211
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.902	\$ 5.245	\$ 6.725
New TGP Zone 6 Supplies Total	\$ 5.115	\$ 6.735	\$ 8.264	\$ 8.058	\$ 5.886	\$ 5.224						\$ 5.370	\$ 6.902	\$ 5.245	\$ 6.725
Lewiston LNG Plant															
LNG	\$ 6.732	\$ 7.406	\$ 8.841	\$ 8.947	\$ 8.716	\$ 8.242	\$ 8.038	\$ 7.863	\$ 7.704	\$ 7.563	\$ 7.440	\$ 7.348	\$ 8.401	\$ 7.741	\$ 8.341
LNG Plant Total	\$ 6.732	\$ 7.406	\$ 8.841	\$ 8.947	\$ 8.716	\$ 8.242	\$ 8.038	\$ 7.863	\$ 7.704	\$ 7.563	\$ 7.440	\$ 7.348	\$ 8.401	\$ 7.741	\$ 8.341
Peaking Supplies															
Peaking Supply 1		\$ 13.996	\$ 14.128										\$ 14.122		\$ 14.122
Peaking Supply 2		\$ 14.476	\$ 14.608										\$ 14.605		\$ 14.605
Peaking Supply 3		\$ 14.448	\$ 14.581										\$ 14.566		\$ 14.566
Peaking Supply Total		\$ 14.166	\$ 14.372										\$ 14.364		\$ 14.364
Total Cost per Dth	\$ 5.005	\$ 5.267	\$ 5.862	\$ 5.330	\$ 5.047	\$ 5.113	\$ 5.105	\$ 5.135	\$ 5.172	\$ 5.193	\$ 5.197	\$ 5.246	\$ 5.352	\$ 5.164	\$ 5.303

Northern Utilities, Inc.															
Base Case Design Weather Scenario with Cold Snap															
Delivered City-Gate Commodity Costs by Supply Source															
November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 921,466	\$ 1,062,959	\$ 1,087,135	\$ 976,770	\$ 1,066,194	\$ 778,132	\$ 160,087	\$ -	\$ -	\$ -	\$ -	\$ 467,683	\$ 5,114,525	\$ 1,405,902	\$ 6,520,427
Dawn	\$ 199	\$ 402	\$ 411	\$ 369	\$ 403	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,784	\$ -	\$ 1,784
Iroquois Receipts	\$ 48,971	\$ 121,782	\$ 124,178	\$ 111,650	\$ 106,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 512,952	\$ -	\$ 512,952
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$ 970,636	\$ 1,185,143	\$ 1,211,724	\$ 1,088,789	\$ 1,172,968	\$ 778,132	\$ 160,087	\$ -	\$ -	\$ -	\$ -	\$ 467,683	\$ 5,629,261	\$ 1,405,902	\$ 7,035,163
PNTGS Path Supplies															
PNGTS	\$ 166,886	\$ 39,157	\$ 136,980	\$ 115,876	\$ 221,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 680,814	\$ -	\$ 680,814
PNGTS Path Total	\$ 166,886	\$ 39,157	\$ 136,980	\$ 115,876	\$ 221,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 680,814	\$ -	\$ 680,814
Niagara Path Supplies															
Niagara	\$ 293,637	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,018,452	\$ -	\$ 2,018,452
Niagara Path Total	\$ 293,637	\$ 437,566	\$ 446,831	\$ 401,612	\$ 438,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,018,452	\$ -	\$ 2,018,452
Tennessee Production Supplies															
Tennessee Production	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,049,531	\$ 1,727,673	\$ 1,285,433	\$ 1,246,744	\$ 1,260,618	\$ 1,374,917	\$ 2,146,353	\$ 11,129,130	\$ 11,091,268	\$ 22,220,398
Tennessee Production Path Total	\$ 2,114,222	\$ 2,284,508	\$ 2,338,220	\$ 2,100,481	\$ 2,291,698	\$ 2,049,531	\$ 1,727,673	\$ 1,285,433	\$ 1,246,744	\$ 1,260,618	\$ 1,374,917	\$ 2,146,353	\$ 11,129,130	\$ 11,091,268	\$ 22,220,398
Tennessee Storage Path															
Tennessee Storage	\$ 13,954	\$ 79,772	\$ 432,580	\$ 390,717	\$ 432,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,349,596	\$ -	\$ 1,349,596
Tenn Zone 4 Spot	\$ 411,612	\$ 374,859	\$ -	\$ -	\$ 7	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 786,479	\$ 3,078,474	\$ 3,864,953
Tennessee Storage Path Total	\$ 425,567	\$ 454,631	\$ 432,580	\$ 390,717	\$ 432,580	\$ 425,967	\$ 441,163	\$ 429,265	\$ 446,566	\$ 448,728	\$ 434,816	\$ 451,969	\$ 2,136,075	\$ 3,078,474	\$ 5,214,549
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 5,960,709	\$ 6,392,305	\$ 5,749,660	\$ 2,128,586	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,231,261	\$ -	\$ 20,231,261
Washington 10 Supply (Chicago)	\$ 460,570	\$ -	\$ -	\$ 101,180	\$ 125,352	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 687,102	\$ -	\$ 687,102
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 460,570	\$ 5,960,709	\$ 6,392,305	\$ 5,850,840	\$ 2,253,938	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,918,363	\$ -	\$ 20,918,363
New Lewiston Supplies															
Lewiston	\$ 651,670	\$ 163,086	\$ 604,725	\$ 396,670	\$ 1,075,535	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,891,685	\$ -	\$ 2,891,685
New Lewiston Supplies Total	\$ 651,670	\$ 163,086	\$ 604,725	\$ 396,670	\$ 1,075,535	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,891,685	\$ -	\$ 2,891,685
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,501,923	\$ 687,584	\$ 1,524,618	\$ 1,219,890	\$ 1,762,848	\$ 318,074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 63,117	\$ 6,696,863	\$ 381,191	\$ 7,078,054
New TGP Zone 6 Supplies Total	\$ 1,501,923	\$ 687,584	\$ 1,524,618	\$ 1,219,890	\$ 1,762,848	\$ 318,074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 63,117	\$ 6,696,863	\$ 381,191	\$ 7,078,054
Lewiston LNG Plant															
LNG	\$ 9,789	\$ 193,922	\$ 353,931	\$ 97,037	\$ 12,651	\$ 11,592	\$ 11,688	\$ 11,070	\$ 11,212	\$ 11,011	\$ 10,487	\$ 10,819	\$ 667,329	\$ 77,879	\$ 745,208
LNG Plant Total	\$ 9,789	\$ 193,922	\$ 353,931	\$ 97,037	\$ 12,651	\$ 11,592	\$ 11,688	\$ 11,070	\$ 11,212	\$ 11,011	\$ 10,487	\$ 10,819	\$ 667,329	\$ 77,879	\$ 745,208
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 724,345	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 724,345	\$ -	\$ 724,345
Peaking Supply 2	\$ -	\$ 43,424	\$ 669,142	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 712,566	\$ -	\$ 712,566
Peaking Supply 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking Supply Total	\$ -	\$ 43,424	\$ 1,393,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,436,910	\$ -	\$ 1,436,910
Total Commodity Cost	\$ 6,594,900	\$ 11,449,731	\$ 14,835,399	\$ 11,661,912	\$ 9,662,941	\$ 3,583,295	\$ 2,340,611	\$ 1,725,768	\$ 1,704,522	\$ 1,720,356	\$ 1,820,220	\$ 3,139,941	\$ 54,204,884	\$ 16,034,713	\$ 70,239,597

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	634,454	922,792	1,065,857	906,028	841,129	221,392	156,886	118,174	116,366	116,786	121,982	193,606	4,370,260	1,045,191	5,415,451
New Hampshire Requirement	539,668	882,332	1,044,622	869,927	733,616	438,102	274,847	198,660	194,483	195,464	208,003	370,764	4,070,166	1,880,323	5,950,488
Northern Requirement	1,174,123	1,805,124	2,110,479	1,775,955	1,574,744	659,494	431,733	316,834	310,849	312,250	329,985	564,370	8,440,425	2,925,514	11,365,939
Chicago Path Supplies															
Chicago	164,040	180,839	180,839	163,338	180,846	141,813	29,193	0	0	0	0	83,022	869,902	254,028	1,123,930
Dawn	34	66	66	60	66	0	0	0	0	0	0	0	293	0	293
Iroquois Receipts	7,759	18,550	18,550	16,755	16,161	0	0	0	0	0	0	0	77,775	0	77,775
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	171,834	199,455	199,455	180,153	197,073	141,813	29,193	0	0	0	0	83,022	947,970	254,028	1,201,998
PNTGS Path Supplies															
PNGTS	28,793	5,290	15,346	13,296	33,981	0	0	0	0	0	0	0	96,705	0	96,705
PNGTS Path Total	28,793	5,290	15,346	13,296	33,981	0	0	0	0	0	0	0	96,705	0	96,705
Niagara Path Supplies															
Niagara	50,517	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	332,659	0	332,659
Niagara Path Total	50,517	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	332,659	0	332,659
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	379,536	319,190	236,173	227,499	228,900	249,324	386,877	1,979,397	2,027,498	4,006,895
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	379,536	319,190	236,173	227,499	228,900	249,324	386,877	1,979,397	2,027,498	4,006,895
Tennessee Storage Path															
Tennessee Storage	2,644	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	255,690	0	255,690
Tenn Zone 4 Spot	76,668	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	143,511	565,755	709,266
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	0	893,905	958,630	862,255	319,216	0	0	0	0	0	0	0	3,034,006	0	3,034,006
Washington 10 Supply (Chicago)	65,990	0	0	13,821	17,317	0	0	0	0	0	0	0	97,128	0	97,128
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	65,990	893,905	958,630	876,076	336,533	0	0	0	0	0	0	0	3,131,134	0	3,131,134
New Lewiston Supplies															
Lewiston	112,125	22,000	67,711	45,484	164,354	0	0	0	0	0	0	0	411,674	0	411,674
New Lewiston Supplies Total	112,125	22,000	67,711	45,484	164,354	0	0	0	0	0	0	0	411,674	0	411,674
New TGP Zone 6 Supplies															
TGP Zone 6	270,944	96,167	175,784	144,152	280,804	57,484	0	0	0	0	0	11,121	967,851	68,605	1,036,455
New TGP Zone 6 Supplies Total	270,944	96,167	175,784	144,152	280,804	57,484	0	0	0	0	0	11,121	967,851	68,605	1,036,455
Lewiston LNG Plant															
LNG	1,350	24,785	38,565	10,440	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	76,535	9,630	86,165
LNG Plant Total	1,350	24,785	38,565	10,440	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	76,535	9,630	86,165
Peaking Supplies															
Peaking Supply 1	0	0	49,825	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 2	0	2,916	44,558	0	0	0	0	0	0	0	0	0	47,474	0	47,474
Peaking Supply 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peaking Supply Total	0	2,916	94,383	0	0	0	0	0	0	0	0	0	97,299	0	97,299
Northern Requirement	1,174,123	1,805,124	2,110,479	1,775,955	1,574,744	659,494	431,733	316,834	310,849	312,250	329,985	564,370	8,440,425	2,925,514	11,365,939
Total Delivered (Dth)	1,174,122	1,805,124	2,110,479	1,775,955	1,574,745	659,494	431,733	316,834	310,849	312,250	329,985	564,370	8,440,425	2,925,515	11,365,940

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered Commodity Cost per Dth by Supply Source (Dth) November 2013 through October 2014															
Description	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.617	\$ 5.878	\$ 6.012	\$ 5.980	\$ 5.896	\$ 5.487	\$ 5.484					\$ 5.633	\$ 5.879	\$ 5.534	\$ 5.801
Dawn	\$ 5.811	\$ 6.069	\$ 6.201	\$ 6.170	\$ 6.086								\$ 6.093		\$ 6.093
Iroquois Receipts	\$ 6.311	\$ 6.565	\$ 6.694	\$ 6.664	\$ 6.582								\$ 6.595		\$ 6.595
Wright															
Chicago Path Total	\$ 5.649	\$ 5.942	\$ 6.075	\$ 6.044	\$ 5.952	\$ 5.487	\$ 5.484					\$ 5.633	\$ 5.938	\$ 5.534	\$ 5.853
PNTGS Path Supplies															
PNGTS	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 7.040		\$ 7.040
PNGTS Path Total	\$ 5.796	\$ 7.403	\$ 8.926	\$ 8.715	\$ 6.531								\$ 7.040		\$ 7.040
Niagara Path Supplies															
Niagara	\$ 5.813	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.068		\$ 6.068
Niagara Path Total	\$ 5.813	\$ 6.053	\$ 6.182	\$ 6.151	\$ 6.071								\$ 6.068		\$ 6.068
Tennessee Production Supplies															
Tennessee Production	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.470	\$ 5.546
Tennessee Production Path Total	\$ 5.376	\$ 5.622	\$ 5.754	\$ 5.723	\$ 5.639	\$ 5.400	\$ 5.413	\$ 5.443	\$ 5.480	\$ 5.507	\$ 5.515	\$ 5.548	\$ 5.622	\$ 5.470	\$ 5.546
Tennessee Storage Path															
Tennessee Storage	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.278								\$ 5.278		\$ 5.278
Tenn Zone 4 Spot	\$ 5.369	\$ 5.608			\$ 5.625	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.480	\$ 5.441	\$ 5.449
Tennessee Storage Path Total	\$ 5.366	\$ 5.547	\$ 5.278	\$ 5.278	\$ 5.278	\$ 5.371	\$ 5.383	\$ 5.412	\$ 5.449	\$ 5.475	\$ 5.482	\$ 5.515	\$ 5.351	\$ 5.441	\$ 5.404
Washington 10 Storage Path															
Washington 10 Storage		\$ 6.668	\$ 6.668	\$ 6.668	\$ 6.668								\$ 6.668		\$ 6.668
Washington 10 Supply (Chicago)	\$ 6.979			\$ 7.321	\$ 7.239								\$ 7.074		\$ 7.074
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 6.979	\$ 6.668	\$ 6.668	\$ 6.678	\$ 6.698								\$ 6.681		\$ 6.681
New Lewiston Supplies															
Lewiston	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 7.024		\$ 7.024
New Lewiston Supplies Total	\$ 5.812	\$ 7.413	\$ 8.931	\$ 8.721	\$ 6.544								\$ 7.024		\$ 7.024
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.919	\$ 5.556	\$ 6.829
New TGP Zone 6 Supplies Total	\$ 5.543	\$ 7.150	\$ 8.673	\$ 8.463	\$ 6.278	\$ 5.533						\$ 5.676	\$ 6.919	\$ 5.556	\$ 6.829
Lewiston LNG Plant															
LNG	\$ 7.251	\$ 7.824	\$ 9.178	\$ 9.295	\$ 9.069	\$ 8.587	\$ 8.379	\$ 8.200	\$ 8.037	\$ 7.893	\$ 7.768	\$ 7.755	\$ 8.719	\$ 8.087	\$ 8.649
LNG Plant Total	\$ 7.251	\$ 7.824	\$ 9.178	\$ 9.295	\$ 9.069	\$ 8.587	\$ 8.379	\$ 8.200	\$ 8.037	\$ 7.893	\$ 7.768	\$ 7.755	\$ 8.719	\$ 8.087	\$ 8.649
Peaking Supplies															
Peaking Supply 1			\$ 14.538										\$ 14.538		\$ 14.538
Peaking Supply 2		\$ 14.890	\$ 15.017										\$ 15.010		\$ 15.010
Peaking Supply 3															
Peaking Supply Total		\$ 14.890	\$ 14.764										\$ 14.768		\$ 14.768
Total Cost per Dth	\$ 5.617	\$ 6.343	\$ 7.029	\$ 6.567	\$ 6.136	\$ 5.433	\$ 5.421	\$ 5.447	\$ 5.483	\$ 5.510	\$ 5.516	\$ 5.564	\$ 6.422	\$ 5.481	\$ 6.180

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered City-Gate Commodity Costs by Supply Source November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 980,691	\$ 1,118,163	\$ 1,140,816	\$ 1,025,084	\$ 1,119,305	\$ 833,498	\$ 209,020	\$ 773	\$ -	\$ -	\$ -	\$ 528,403	\$ 5,384,059	\$ 1,571,694	\$ 6,955,754
Dawn	\$ 210	\$ 422	\$ 430	\$ 387	\$ 422	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,871	\$ -	\$ 1,871
Iroquois Receipts	\$ 62,701	\$ 127,254	\$ 129,499	\$ 116,439	\$ 119,150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 555,044	\$ -	\$ 555,044
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$1,043,602	\$ 1,245,839	\$ 1,270,746	\$ 1,141,910	\$ 1,238,877	\$ 833,498	\$ 209,020	\$ 773	\$ -	\$ -	\$ -	\$ 528,403	\$ 5,940,974	\$ 1,571,694	\$ 7,512,668
PNTGS Path Supplies															
PNGTS	\$ 179,905	\$ 60,518	\$ 141,323	\$ 133,204	\$ 231,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 746,379	\$ -	\$ 746,379
PNGTS Path Total	\$ 179,905	\$ 60,518	\$ 141,323	\$ 133,204	\$ 231,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 746,379	\$ -	\$ 746,379
Niagara Path Supplies															
Niagara	\$ 318,503	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,123,910	\$ -	\$ 2,123,910
Niagara Path Total	\$ 318,503	\$ 458,721	\$ 467,402	\$ 420,127	\$ 459,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,123,910	\$ -	\$ 2,123,910
Tennessee Production Supplies															
Tennessee Production	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,154,785	\$ 1,835,390	\$ 1,394,698	\$ 1,354,048	\$ 1,369,213	\$ 1,491,903	\$ 2,269,373	\$ 11,718,763	\$ 11,869,411	\$ 23,588,174
Tennessee Production Path Total	\$ 2,236,599	\$ 2,407,158	\$ 2,457,487	\$ 2,207,823	\$ 2,409,696	\$ 2,154,785	\$ 1,835,390	\$ 1,394,698	\$ 1,354,048	\$ 1,369,213	\$ 1,491,903	\$ 2,269,373	\$ 11,718,763	\$ 11,869,411	\$ 23,588,174
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 84,654	\$ 459,053	\$ 414,628	\$ 459,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,417,380	\$ -	\$ 1,417,380
Tenn Zone 4 Spot	\$ 449,858	\$ 394,520	\$ -	\$ -	\$ 8	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 844,386	\$ 3,225,376	\$ 4,069,762
Tennessee Storage Path Total	\$ 449,858	\$ 479,173	\$ 459,053	\$ 414,628	\$ 459,053	\$ 446,399	\$ 462,111	\$ 449,778	\$ 467,846	\$ 470,174	\$ 455,570	\$ 473,499	\$ 2,261,766	\$ 3,225,376	\$ 5,487,141
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 6,389,210	\$ 6,748,672	\$ 6,057,938	\$ 2,308,758	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,504,578	\$ -	\$ 21,504,578
Washington 10 Supply (Chicago)	\$ 582,849	\$ -	\$ -	\$ 165,389	\$ 301,779	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,050,017	\$ -	\$ 1,050,017
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 582,849	\$ 6,389,210	\$ 6,748,672	\$ 6,223,327	\$ 2,610,537	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,554,596	\$ -	\$ 22,554,596
New Lewiston Supplies															
Lewiston	\$ 730,776	\$ 183,807	\$ 675,124	\$ 520,520	\$ 1,133,176	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,243,402	\$ -	\$ 3,243,402
New Lewiston Supplies Total	\$ 730,776	\$ 183,807	\$ 675,124	\$ 520,520	\$ 1,133,176	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,243,402	\$ -	\$ 3,243,402
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 1,586,475	\$ 793,306	\$ 1,717,699	\$ 1,322,402	\$ 1,841,468	\$ 412,434	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 97,961	\$ 7,261,349	\$ 510,396	\$ 7,771,745
New TGP Zone 6 Supplies Total	\$ 1,586,475	\$ 793,306	\$ 1,717,699	\$ 1,322,402	\$ 1,841,468	\$ 412,434	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 97,961	\$ 7,261,349	\$ 510,396	\$ 7,771,745
Lewiston LNG Plant															
LNG	\$ 10,230	\$ 244,892	\$ 493,130	\$ 183,730	\$ 13,135	\$ 12,038	\$ 12,138	\$ 11,496	\$ 11,644	\$ 11,436	\$ 10,892	\$ 11,092	\$ 945,118	\$ 80,734	\$ 1,025,852
LNG Plant Total	\$ 10,230	\$ 244,892	\$ 493,130	\$ 183,730	\$ 13,135	\$ 12,038	\$ 12,138	\$ 11,496	\$ 11,644	\$ 11,436	\$ 10,892	\$ 11,092	\$ 945,118	\$ 80,734	\$ 1,025,852
Peaking Supplies															
Peaking Supply 1	\$ -	\$ -	\$ 738,445	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 738,445	\$ -	\$ 738,445
Peaking Supply 2	\$ -	\$ 58,472	\$ 703,413	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 761,885	\$ -	\$ 761,885
Peaking Supply 3	\$ -	\$ 20,110	\$ 106,042	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 126,152	\$ -	\$ 126,152
Peaking Supply Total	\$ -	\$ 78,582	\$ 1,547,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,626,481	\$ -	\$ 1,626,481
Total Commodity Cost	\$7,138,797	\$12,341,206	\$15,978,534	\$12,567,672	\$10,396,530	\$3,859,154	\$2,518,659	\$1,856,745	\$1,833,538	\$1,850,823	\$1,958,365	\$3,380,327	\$ 58,422,739	\$ 17,257,611	\$ 75,680,350

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	647,513	941,818	1,087,846	924,715	858,464	225,464	159,726	120,282	118,435	118,863	124,163	197,145	4,460,357	1,064,079	5,524,436
New Hampshire Requirement	553,933	905,639	1,072,211	892,904	752,998	451,716	283,403	204,854	200,548	201,559	214,486	382,292	4,177,686	1,938,858	6,116,544
Northern Requirement	1,201,446	1,847,457	2,160,057	1,817,619	1,611,463	677,180	443,129	325,136	318,983	320,423	338,649	579,437	8,638,042	3,002,938	11,640,980
Chicago Path Supplies															
Chicago	165,333	180,839	180,839	163,338	180,842	144,859	36,352	134	0	0	0	89,484	871,192	270,829	1,142,021
Dawn	34	66	66	60	66	0	0	0	0	0	0	0	293	0	293
Iroquois Receipts	9,479	18,550	18,550	16,755	17,354	0	0	0	0	0	0	0	80,688	0	80,688
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	174,846	199,455	199,455	180,153	198,262	144,859	36,352	134	0	0	0	89,484	952,172	270,829	1,223,001
PNTGS Path Supplies															
PNGTS	29,511	7,866	15,346	14,805	33,981	0	0	0	0	0	0	0	101,509	0	101,509
PNGTS Path Total	29,511	7,866	15,346	14,805	33,981	0	0	0	0	0	0	0	101,509	0	101,509
Niagara Path Supplies															
Niagara	52,088	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	334,230	0	334,230
Niagara Path Total	52,088	72,284	72,284	65,289	72,284	0	0	0	0	0	0	0	334,230	0	334,230
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	367,041	406,366	380,404	323,427	244,341	235,633	237,072	257,988	390,099	1,979,397	2,068,963	4,048,360
Tennessee Production Path Total	393,258	406,366	406,366	367,041	406,366	380,404	323,427	244,341	235,633	237,072	257,988	390,099	1,979,397	2,068,963	4,048,360
Tennessee Storage Path															
Tennessee Storage	0	15,113	81,955	74,024	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	66,842	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	146,155	565,755	711,910
Tennessee Storage Path Total	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	399,201	565,755	964,956
Washington 10 Storage Path															
Washington 10 Storage	0	913,866	965,281	866,484	330,228	0	0	0	0	0	0	0	3,075,859	0	3,075,859
Washington 10 Supply (Chicago)	79,997	0	0	21,737	40,105	0	0	0	0	0	0	0	141,838	0	141,838
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	79,997	913,866	965,281	888,220	370,333	0	0	0	0	0	0	0	3,217,697	0	3,217,697
New Lewiston Supplies															
Lewiston	119,584	23,862	73,280	57,823	166,082	0	0	0	0	0	0	0	440,629	0	440,629
New Lewiston Supplies Total	119,584	23,862	73,280	57,823	166,082	0	0	0	0	0	0	0	440,629	0	440,629
New TGP Zone 6 Supplies															
TGP Zone 6	271,501	106,614	191,788	151,227	280,804	71,255	0	0	0	0	0	16,504	1,001,933	87,759	1,089,692
New TGP Zone 6 Supplies Total	271,501	106,614	191,788	151,227	280,804	71,255	0	0	0	0	0	16,504	1,001,933	87,759	1,089,692
Lewiston LNG Plant															
LNG	1,350	30,010	51,560	19,038	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	103,352	9,630	112,982
LNG Plant Total	1,350	30,010	51,560	19,038	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	103,352	9,630	112,982
Peaking Supplies															
Peaking Supply 1	0	0	49,825	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 2	0	3,852	45,973	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 3	0	1,327	6,943	0	0	0	0	0	0	0	0	0	8,270	0	8,270
Peaking Supply Total	0	5,179	102,741	0	0	0	0	0	0	0	0	0	107,920	0	107,920
Northern Requirement	1,201,446	1,847,457	2,160,057	1,817,619	1,611,463	677,180	443,129	325,136	318,983	320,423	338,649	579,437	8,638,042	3,002,938	11,640,980
Total Delivered (Dth)	1,201,446	1,847,457	2,160,057	1,817,619	1,611,462	677,180	443,129	325,136	318,983	320,422	338,649	579,437	8,638,041	3,002,936	11,640,977

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered Commodity Cost per Dth by Supply Source (Dth) November 2014 through October 2015															
Description	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 5.932	\$ 6.183	\$ 6.308	\$ 6.276	\$ 6.189	\$ 5.754	\$ 5.750	\$ 5.769				\$ 5.905	\$ 6.180	\$ 5.803	\$ 6.091
Dawn	\$ 6.122	\$ 6.371	\$ 6.495	\$ 6.462	\$ 6.377								\$ 6.390		\$ 6.390
Iroquois Receipts	\$ 6.615	\$ 6.860	\$ 6.981	\$ 6.950	\$ 6.866								\$ 6.879		\$ 6.879
Wright															
Chicago Path Total	\$ 5.969	\$ 6.246	\$ 6.371	\$ 6.339	\$ 6.249	\$ 5.754	\$ 5.750	\$ 5.769				\$ 5.905	\$ 6.239	\$ 5.803	\$ 6.143
PNTGS Path Supplies															
PNGTS	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.353		\$ 7.353
PNGTS Path Total	\$ 6.096	\$ 7.694	\$ 9.209	\$ 8.997	\$ 6.811								\$ 7.353		\$ 7.353
Niagara Path Supplies															
Niagara	\$ 6.115	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.355		\$ 6.355
Niagara Path Total	\$ 6.115	\$ 6.346	\$ 6.466	\$ 6.435	\$ 6.352								\$ 6.355		\$ 6.355
Tennessee Production Supplies															
Tennessee Production	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.737	\$ 5.827
Tennessee Production Path Total	\$ 5.687	\$ 5.924	\$ 6.047	\$ 6.015	\$ 5.930	\$ 5.664	\$ 5.675	\$ 5.708	\$ 5.746	\$ 5.776	\$ 5.783	\$ 5.817	\$ 5.920	\$ 5.737	\$ 5.827
Tennessee Storage Path															
Tennessee Storage		\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.601								\$ 5.601		\$ 5.601
Tenn Zone 4 Spot	\$ 5.672	\$ 5.902			\$ 5.908	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.777	\$ 5.701	\$ 5.717
Tennessee Storage Path Total	\$ 5.672	\$ 5.847	\$ 5.601	\$ 5.601	\$ 5.601	\$ 5.628	\$ 5.639	\$ 5.671	\$ 5.709	\$ 5.737	\$ 5.744	\$ 5.778	\$ 5.666	\$ 5.701	\$ 5.686
Washington 10 Storage Path															
Washington 10 Storage		\$ 6.991	\$ 6.991	\$ 6.991	\$ 6.991								\$ 6.991		\$ 6.991
Washington 10 Supply (Chicago)	\$ 7.286			\$ 7.609	\$ 7.525								\$ 7.403		\$ 7.403
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 7.286	\$ 6.991	\$ 6.991	\$ 7.007	\$ 7.049								\$ 7.010		\$ 7.010
New Lewiston Supplies															
Lewiston	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.361		\$ 7.361
New Lewiston Supplies Total	\$ 6.111	\$ 7.703	\$ 9.213	\$ 9.002	\$ 6.823								\$ 7.361		\$ 7.361
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.247	\$ 5.816	\$ 7.132
New TGP Zone 6 Supplies Total	\$ 5.843	\$ 7.441	\$ 8.956	\$ 8.744	\$ 6.558	\$ 5.788						\$ 5.936	\$ 7.247	\$ 5.816	\$ 7.132
Lewiston LNG Plant															
LNG	\$ 7.578	\$ 8.160	\$ 9.564	\$ 9.651	\$ 9.416	\$ 8.917	\$ 8.701	\$ 8.515	\$ 8.347	\$ 8.198	\$ 8.068	\$ 7.951	\$ 9.145	\$ 8.384	\$ 9.080
LNG Plant Total	\$ 7.578	\$ 8.160	\$ 9.564	\$ 9.651	\$ 9.416	\$ 8.917	\$ 8.701	\$ 8.515	\$ 8.347	\$ 8.198	\$ 8.068	\$ 7.951	\$ 9.145	\$ 8.384	\$ 9.080
Peaking Supplies															
Peaking Supply 1			\$ 14.821										\$ 14.821		\$ 14.821
Peaking Supply 2		\$ 15.181	\$ 15.300										\$ 15.291		\$ 15.291
Peaking Supply 3		\$ 15.154	\$ 15.273										\$ 15.254		\$ 15.254
Peaking Supply Total		\$ 15.174	\$ 15.066										\$ 15.071		\$ 15.071
Total Cost per Dth	\$ 5.942	\$ 6.680	\$ 7.397	\$ 6.914	\$ 6.452	\$ 5.699	\$ 5.684	\$ 5.711	\$ 5.748	\$ 5.776	\$ 5.783	\$ 5.834	\$ 6.763	\$ 5.747	\$ 6.501

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered City-Gate Commodity Costs by Supply Source November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr-Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$1,000,809	\$ 1,167,086	\$ 1,190,119	\$ 1,107,817	\$ 1,168,608	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,634,438	\$ -	\$ 5,634,438
Dawn	\$ 178	\$ 440	\$ 448	\$ 417	\$ 440	\$ 8,517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,923	\$ 8,517	\$ 10,440
Iroquois Receipts	\$ 49,661	\$ 132,103	\$ 134,386	\$ 125,169	\$ 114,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 555,995	\$ -	\$ 555,995
Wright	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chicago Path Total	\$1,050,648	\$ 1,299,628	\$ 1,324,953	\$ 1,233,403	\$ 1,283,724	\$ 8,517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,192,357	\$ 8,517	\$ 6,200,874
PNTGS Path Supplies															
PNGTS	\$ 181,175	\$ 52,297	\$ 145,311	\$ 117,323	\$ 240,262	\$ 2,157	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 736,368	\$ 2,157	\$ 738,524
PNGTS Path Total	\$ 181,175	\$ 52,297	\$ 145,311	\$ 117,323	\$ 240,262	\$ 2,157	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 736,368	\$ 2,157	\$ 738,524
Niagara Path Supplies															
Niagara	\$ 294,362	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 25,833	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,188,982	\$ 25,833	\$ 2,214,815
Niagara Path Total	\$ 294,362	\$ 477,468	\$ 486,295	\$ 452,805	\$ 478,052	\$ 25,833	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,188,982	\$ 25,833	\$ 2,214,815
Tennessee Production Supplies															
Tennessee Production	\$2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$2,253,516	\$1,956,438	\$1,496,395	\$1,451,924	\$1,468,345	\$1,599,058	\$2,384,250	\$ 12,334,273	\$ 12,609,925	\$ 24,944,198
Tennessee Production Path Total	\$2,343,014	\$ 2,515,851	\$ 2,567,026	\$ 2,389,146	\$ 2,519,235	\$2,253,516	\$1,956,438	\$1,496,395	\$1,451,924	\$1,468,345	\$1,599,058	\$2,384,250	\$ 12,334,273	\$ 12,609,925	\$ 24,944,198
Tennessee Storage Path															
Tennessee Storage	\$ -	\$ 73,230	\$ 481,300	\$ 450,249	\$ 481,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,486,071	\$ -	\$ 1,486,071
Tenn Zone 4 Spot	\$ 470,773	\$ 428,236	\$ -	\$ -	\$ 8	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 899,018	\$ 3,364,582	\$ 4,263,600
Tennessee Storage Path Total	\$ 470,773	\$ 501,467	\$ 481,300	\$ 450,249	\$ 481,301	\$ 465,625	\$ 482,143	\$ 469,165	\$ 487,796	\$ 490,290	\$ 475,117	\$ 494,446	\$ 2,385,089	\$ 3,364,582	\$ 5,749,671
Washington 10 Storage Path															
Washington 10 Storage	\$ -	\$ 6,767,495	\$ 7,062,760	\$ 6,370,259	\$ 2,194,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,394,562	\$ -	\$ 22,394,562
Washington 10 Supply (Chicago)	\$ 477,137	\$ -	\$ -	\$ 273,140	\$ 289,525	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,039,802	\$ -	\$ 1,039,802
W10 AMA Spot (PNGTS)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
W10 Path Total	\$ 477,137	\$ 6,767,495	\$ 7,062,760	\$ 6,643,398	\$ 2,483,574	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,434,364	\$ -	\$ 23,434,364
New Lewiston Supplies															
Lewiston	\$ 687,837	\$ 177,117	\$ 673,318	\$ 342,055	\$ 1,146,943	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,027,270	\$ -	\$ 3,027,270
New Lewiston Supplies Total	\$ 687,837	\$ 177,117	\$ 673,318	\$ 342,055	\$ 1,146,943	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,027,270	\$ -	\$ 3,027,270
New TGP Zone 6 Supplies															
TGP Zone 6	\$2,072,493	\$ 1,041,327	\$ 2,210,261	\$ 1,611,382	\$ 2,406,227	\$1,348,544	\$ 234,238	\$ -	\$ -	\$ -	\$ -	\$ 718,400	\$ 9,341,690	\$ 2,301,182	\$ 11,642,872
New TGP Zone 6 Supplies Total	\$2,072,493	\$ 1,041,327	\$ 2,210,261	\$ 1,611,382	\$ 2,406,227	\$1,348,544	\$ 234,238	\$ -	\$ -	\$ -	\$ -	\$ 718,400	\$ 9,341,690	\$ 2,301,182	\$ 11,642,872
Lewiston LNG Plant															
LNG	\$ 10,618	\$ 220,285	\$ 412,481	\$ 70,399	\$ 13,407	\$ 12,312	\$ 12,426	\$ 11,779	\$ 11,941	\$ 11,737	\$ 11,187	\$ 11,402	\$ 727,191	\$ 82,784	\$ 809,975
LNG Plant Total	\$ 10,618	\$ 220,285	\$ 412,481	\$ 70,399	\$ 13,407	\$ 12,312	\$ 12,426	\$ 11,779	\$ 11,941	\$ 11,737	\$ 11,187	\$ 11,402	\$ 727,191	\$ 82,784	\$ 809,975
Peaking Supplies															
Peaking Supply 1	\$ -	\$ 34,339	\$ 716,776	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 751,116	\$ -	\$ 751,116
Peaking Supply 2	\$ -	\$ 10,129	\$ 765,086	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 775,215	\$ -	\$ 775,215
Peaking Supply 3	\$ -	\$ 60,861	\$ 170,344	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 231,204	\$ -	\$ 231,204
Peaking Supply Total	\$ -	\$ 105,330	\$ 1,652,206	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,757,535	\$ -	\$ 1,757,535
Total Commodity Cost	\$7,588,059	\$13,158,265	\$17,015,911	\$13,310,161	\$11,052,724	\$4,116,502	\$2,685,246	\$1,977,339	\$1,951,661	\$1,970,372	\$2,085,362	\$3,608,498	\$ 62,125,119	\$ 18,394,979	\$ 80,520,098

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered City-Gate Commodity Volumes by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Maine Requirement	659,882	959,846	1,108,682	942,422	874,888	228,599	161,896	121,881	120,001	120,436	125,818	199,861	4,545,720	1,078,492	5,624,212
New Hampshire Requirement	567,915	928,495	1,099,270	915,438	772,003	462,880	290,410	209,920	205,508	206,545	219,790	391,742	4,283,121	1,986,796	6,269,917
Northern Requirement	1,227,797	1,888,340	2,207,952	1,857,860	1,646,891	691,480	452,306	331,801	325,510	326,981	345,608	591,603	8,828,841	3,065,288	11,894,129
Chicago Path Supplies															
Chicago	161,309	180,839	180,839	169,172	180,846	0	0	0	0	0	0	0	873,005	0	873,005
Dawn	28	66	66	62	66	1,382	0	0	0	0	0	0	289	1,382	1,671
Iroquois Receipts	7,220	18,550	18,550	17,353	16,085	0	0	0	0	0	0	0	77,759	0	77,759
Wright	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Path Total	168,557	199,455	199,455	186,587	196,997	1,382	0	0	0	0	0	0	951,053	1,382	952,435
PNTGS Path Supplies															
PNGTS	28,500	6,577	15,346	12,674	33,981	349	0	0	0	0	0	0	97,077	349	97,426
PNGTS Path Total	28,500	6,577	15,346	12,674	33,981	349	0	0	0	0	0	0	97,077	349	97,426
Niagara Path Supplies															
Niagara	46,165	72,284	72,284	67,621	72,284	4,272	0	0	0	0	0	0	330,638	4,272	334,910
Niagara Path Total	46,165	72,284	72,284	67,621	72,284	4,272	0	0	0	0	0	0	330,638	4,272	334,910
Tennessee Production Supplies															
Tennessee Production	393,258	406,366	406,366	380,149	406,366	381,101	330,175	251,140	242,159	243,631	264,947	392,167	1,992,506	2,105,319	4,097,825
Tennessee Production Path Total	393,258	406,366	406,366	380,149	406,366	381,101	330,175	251,140	242,159	243,631	264,947	392,167	1,992,506	2,105,319	4,097,825
Tennessee Storage Path															
Tennessee Storage	0	12,470	81,955	76,668	81,954	0	0	0	0	0	0	0	253,046	0	253,046
Tenn Zone 4 Spot	79,311	69,486	0	0	1	79,311	81,955	79,311	81,955	81,955	79,311	81,955	148,798	565,755	714,553
Tennessee Storage Path Total	79,311	81,955	81,955	76,668	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	401,845	565,755	967,599
Washington 10 Storage Path															
Washington 10 Storage	0	931,080	971,703	876,428	301,860	0	0	0	0	0	0	0	3,081,071	0	3,081,071
Washington 10 Supply (Chicago)	63,177	0	0	34,687	37,165	0	0	0	0	0	0	0	135,029	0	135,029
W10 AMA Spot (PNGTS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W10 Path Total	63,177	931,080	971,703	911,115	339,025	0	0	0	0	0	0	0	3,216,100	0	3,216,100
New Lewiston Supplies															
Lewiston	107,964	22,251	71,085	36,935	161,952	0	0	0	0	0	0	0	400,187	0	400,187
New Lewiston Supplies Total	107,964	22,251	71,085	36,935	161,952	0	0	0	0	0	0	0	400,187	0	400,187
New TGP Zone 6 Supplies															
TGP Zone 6	339,516	135,258	239,825	178,955	352,935	223,714	38,781	0	0	0	0	116,085	1,246,488	378,580	1,625,068
New TGP Zone 6 Supplies Total	339,516	135,258	239,825	178,955	352,935	223,714	38,781	0	0	0	0	116,085	1,246,488	378,580	1,625,068
Lewiston LNG Plant															
LNG	1,350	26,214	42,267	7,156	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	78,382	9,630	88,012
LNG Plant Total	1,350	26,214	42,267	7,156	1,395	1,350	1,395	1,350	1,395	1,395	1,350	1,395	78,382	9,630	88,012
Peaking Supplies															
Peaking Supply 1	0	2,296	47,529	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 2	0	656	49,169	0	0	0	0	0	0	0	0	0	49,825	0	49,825
Peaking Supply 3	0	3,949	10,966	0	0	0	0	0	0	0	0	0	14,915	0	14,915
Peaking Supply Total	0	6,901	107,665	0	0	0	0	0	0	0	0	0	114,565	0	114,565
Northern Requirement	1,227,797	1,888,340	2,207,952	1,857,860	1,646,891	691,480	452,306	331,801	325,510	326,981	345,608	591,603	8,828,841	3,065,288	11,894,129
Total Delivered (Dth)	1,227,797	1,888,341	2,207,952	1,857,860	1,646,891	691,479	452,306	331,801	325,509	326,981	345,608	591,603	8,828,841	3,065,287	11,894,128

Northern Utilities, Inc. Base Case Design Weather Scenario with Cold Snap Delivered Commodity Cost per Dth by Supply Source (Dth) November 2015 through October 2016															
Description	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Heating Season (Nov-Mar)	Non-Heating Season (Apr- Oct)	TOTAL
Chicago Path Supplies															
Chicago	\$ 6.204	\$ 6.454	\$ 6.581	\$ 6.548	\$ 6.462								\$ 6.454		\$ 6.454
Dawn	\$ 6.391	\$ 6.638	\$ 6.764	\$ 6.732	\$ 6.646	\$ 6.163							\$ 6.665	\$ 6.163	\$ 6.249
Iroquois Receipts	\$ 6.878	\$ 7.121	\$ 7.244	\$ 7.213	\$ 7.129								\$ 7.150		\$ 7.150
Wright															
Chicago Path Total	\$ 6.233	\$ 6.516	\$ 6.643	\$ 6.610	\$ 6.516	\$ 6.163							\$ 6.511	\$ 6.163	\$ 6.511
PNTGS Path Supplies															
PNGTS	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071	\$ 6.180							\$ 7.585	\$ 6.180	\$ 7.580
PNGTS Path Total	\$ 6.357	\$ 7.952	\$ 9.469	\$ 9.257	\$ 7.071	\$ 6.180							\$ 7.585	\$ 6.180	\$ 7.580
Niagara Path Supplies															
Niagara	\$ 6.376	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.047							\$ 6.620	\$ 6.047	\$ 6.613
Niagara Path Total	\$ 6.376	\$ 6.605	\$ 6.728	\$ 6.696	\$ 6.614	\$ 6.047							\$ 6.620	\$ 6.047	\$ 6.613
Tennessee Production Supplies															
Tennessee Production	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.990	\$ 6.087
Tennessee Production Path Total	\$ 5.958	\$ 6.191	\$ 6.317	\$ 6.285	\$ 6.199	\$ 5.913	\$ 5.925	\$ 5.958	\$ 5.996	\$ 6.027	\$ 6.035	\$ 6.080	\$ 6.190	\$ 5.990	\$ 6.087
Tennessee Storage Path															
Tennessee Storage		\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.873								\$ 5.873		\$ 5.873
Tenn Zone 4 Spot	\$ 5.936	\$ 6.163				\$ 5.871	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 6.042	\$ 5.947	\$ 5.967
Tennessee Storage Path Total	\$ 5.936	\$ 6.119	\$ 5.873	\$ 5.873	\$ 5.873	\$ 5.871	\$ 5.883	\$ 5.915	\$ 5.952	\$ 5.982	\$ 5.991	\$ 6.033	\$ 5.935	\$ 5.947	\$ 5.942
Washington 10 Storage Path															
Washington 10 Storage		\$ 7.268	\$ 7.268	\$ 7.268	\$ 7.268								\$ 7.268		\$ 7.268
Washington 10 Supply (Chicago)	\$ 7.552			\$ 7.874	\$ 7.790								\$ 7.701		\$ 7.701
W10 AMA Spot (PNGTS)															
W10 Path Total	\$ 7.552	\$ 7.268	\$ 7.268	\$ 7.292	\$ 7.326								\$ 7.287		\$ 7.287
New Lewiston Supplies															
Lewiston	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082								\$ 7.565		\$ 7.565
New Lewiston Supplies Total	\$ 6.371	\$ 7.960	\$ 9.472	\$ 9.261	\$ 7.082								\$ 7.565		\$ 7.565
New TGP Zone 6 Supplies															
TGP Zone 6	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.494	\$ 6.078	\$ 7.165
New TGP Zone 6 Supplies Total	\$ 6.104	\$ 7.699	\$ 9.216	\$ 9.004	\$ 6.818	\$ 6.028	\$ 6.040					\$ 6.189	\$ 7.494	\$ 6.078	\$ 7.165
Lewiston LNG Plant															
LNG	\$ 7.865	\$ 8.403	\$ 9.759	\$ 9.837	\$ 9.611	\$ 9.120	\$ 8.908	\$ 8.725	\$ 8.560	\$ 8.414	\$ 8.287	\$ 8.173	\$ 9.278	\$ 8.596	\$ 9.203
LNG Plant Total	\$ 7.865	\$ 8.403	\$ 9.759	\$ 9.837	\$ 9.611	\$ 9.120	\$ 8.908	\$ 8.725	\$ 8.560	\$ 8.414	\$ 8.287	\$ 8.173	\$ 9.278	\$ 8.596	\$ 9.203
Peaking Supplies															
Peaking Supply 1		\$ 14.959	\$ 15.081										\$ 15.075		\$ 15.075
Peaking Supply 2		\$ 15.439	\$ 15.560										\$ 15.559		\$ 15.559
Peaking Supply 3		\$ 15.412	\$ 15.533										\$ 15.501		\$ 15.501
Peaking Supply Total		\$ 15.264	\$ 15.346										\$ 15.341		\$ 15.341
Total Cost per Dth	\$ 6.180	\$ 6.968	\$ 7.707	\$ 7.164	\$ 6.711	\$ 5.953	\$ 5.937	\$ 5.959	\$ 5.996	\$ 6.026	\$ 6.034	\$ 6.100	\$ 7.037	\$ 6.001	\$ 6.770

Appendix VI-7(1). Base Case Design Total Costs

Base Case Design Weather Scenario			
Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$30,257,327	4,830,066	\$6.264
Tennessee Production Path Total	\$140,797,184	20,107,848	\$7.002
New Lewiston Supplies Total	\$16,157,447	2,303,736	\$7.014
New TGP Zone 6 Supplies Total	\$32,108,244	4,348,800	\$7.383
Niagara Path Total	\$10,351,399	1,371,232	\$7.549
Chicago Path Total	\$48,928,159	5,278,089	\$9.270
LNG Plant Total	\$7,678,776	652,310	\$11.772
PNGTS Path Total	\$6,514,289	518,648	\$12.560
Peaking Supply Total	\$3,503,745	233,495	\$15.006
W10 Path Total	\$270,677,149	17,468,357	\$15.495
Total System	\$566,973,719	57,112,579	\$9.927

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$25,814,385	4,830,066	\$5.345
Tennessee Production Path Total	\$109,623,398	20,107,848	\$5.452
New Lewiston Supplies Total	\$16,157,447	2,303,736	\$7.014
New TGP Zone 6 Supplies Total	\$30,648,091	4,348,800	\$7.047
Niagara Path Total	\$8,319,241	1,371,232	\$6.067
Chicago Path Total	\$30,350,814	5,278,089	\$5.750
LNG Plant Total	\$5,732,107	652,310	\$8.787
PNGTS Path Total	\$3,678,151	518,648	\$7.092
Peaking Supply Total	\$3,276,996	233,495	\$14.035
W10 Path Total	\$105,088,354	17,468,357	\$6.016
Total System	\$338,688,984	57,112,579	\$5.930

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$2,781,442	4,830,066	\$0.576
Tennessee Production Path Total	\$24,259,283	20,107,848	\$1.206
New Lewiston Supplies Total	\$0	2,303,736	\$0.000
New TGP Zone 6 Supplies Total	\$0	4,348,800	\$0.000
Niagara Path Total	\$1,563,265	1,371,232	\$1.140
Chicago Path Total	\$16,760,320	5,278,089	\$3.175
LNG Plant Total	\$1,946,669	652,310	\$2.984
PNGTS Path Total	\$2,656,210	518,648	\$5.121
Peaking Supply Total	\$142,807	233,495	\$0.612
W10 Path Total	\$159,574,739	17,468,357	\$9.135
Total System	\$209,684,735	57,112,579	\$3.671

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$1,661,500	4,830,066	\$0.344
Tennessee Production Path Total	\$6,914,503	20,107,848	\$0.344
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$1,460,153	4,348,800	\$0.336
Niagara Path Total	\$468,894	1,371,232	\$0.342
Chicago Path Total	\$1,817,025	5,278,089	\$0.344
LNG Plant Total	\$0	0	
PNGTS Path Total	\$179,928	518,648	\$0.347
Peaking Supply Total	\$83,941	233,495	\$0.360
W10 Path Total	\$6,014,056	17,468,357	\$0.344
Total System	\$18,600,000	54,156,533	\$0.343

Base Case Design Weather Scenario			
Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,425,742	967,599	\$5.607
Tennessee Production Path Total	\$24,640,543	3,983,007	\$6.186
New Lewiston Supplies Total	\$5,234,703	842,550	\$6.213
Niagara Path Total	\$1,500,920	213,143	\$7.042
Chicago Path Total	\$8,960,169	1,079,828	\$8.298
PNGTS Path Total	\$1,577,629	160,951	\$9.802
LNG Plant Total	\$1,348,248	126,250	\$10.679
W10 Path Total	\$49,887,477	3,507,111	\$14.225
Peaking Supply Total	\$2,437,645	163,022	\$14.953
Total System	\$101,013,077	11,043,462	\$9.147

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,511,120	967,599	\$4.662
Tennessee Production Path Total	\$18,317,988	3,983,007	\$4.599
New Lewiston Supplies Total	\$5,234,703	842,550	\$6.213
Niagara Path Total	\$1,068,555	213,143	\$5.013
Chicago Path Total	\$5,137,174	1,079,828	\$4.757
PNGTS Path Total	\$986,957	160,951	\$6.132
LNG Plant Total	\$974,498	126,250	\$7.719
W10 Path Total	\$16,677,553	3,507,111	\$4.755
Peaking Supply Total	\$2,242,450	163,022	\$13.756
Total System	\$55,150,998	11,043,462	\$4.994

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	967,599	\$0.576
Tennessee Production Path Total	\$4,851,857	3,983,007	\$1.218
New Lewiston Supplies Total	\$0	842,550	\$0.000
Niagara Path Total	\$353,664	213,143	\$1.659
Chicago Path Total	\$3,424,276	1,079,828	\$3.171
PNGTS Path Total	\$531,242	160,951	\$3.301
LNG Plant Total	\$373,750	126,250	\$2.960
W10 Path Total	\$31,914,948	3,507,111	\$9.100
Peaking Supply Total	\$135,000	163,022	\$0.828
Total System	\$42,142,079	11,043,462	\$3.816

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$357,279	967,599	\$0.369
Tennessee Production Path Total	\$1,470,698	3,983,007	\$0.369
New Lewiston Supplies Total	\$0	0	
Niagara Path Total	\$78,702	213,143	\$0.369
Chicago Path Total	\$398,719	1,079,828	\$0.369
PNGTS Path Total	\$59,430	160,951	\$0.369
LNG Plant Total	\$0	0	
W10 Path Total	\$1,294,977	3,507,111	\$0.369
Peaking Supply Total	\$60,195	163,022	\$0.369
Total System	\$3,720,000	10,074,662	\$0.369

Base Case Design Weather Scenario			
Estimated Delivered City-Gate Total Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,739,673	964,956	\$5.948
Tennessee Production Path Total	\$26,764,533	3,971,760	\$6.739
New TGP Zone 6 Supplies Total	\$3,882,356	546,064	\$7.110
Niagara Path Total	\$1,249,426	156,290	\$7.994
New Lewiston Supplies Total	\$1,386,182	168,191	\$8.242
Chicago Path Total	\$8,170,285	820,827	\$9.954
LNG Plant Total	\$1,573,793	136,235	\$11.552
W10 Path Total	\$54,498,133	4,342,258	\$12.551
Peaking Supply Total	\$248,835	17,097	\$14.555
PNGTS Path Total	\$909,399	44,395	\$20.484
Total System	\$104,422,614	11,168,072	\$9.350

Estimated Delivered City-Gate Commodity Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,851,904	964,956	\$5.028
Tennessee Production Path Total	\$20,552,641	3,971,760	\$5.175
New TGP Zone 6 Supplies Total	\$3,695,369	546,064	\$6.767
Niagara Path Total	\$893,508	156,290	\$5.717
New Lewiston Supplies Total	\$1,386,182	168,191	\$8.242
Chicago Path Total	\$4,464,936	820,827	\$5.440
LNG Plant Total	\$1,162,714	136,235	\$8.535
W10 Path Total	\$21,096,281	4,342,258	\$4.858
Peaking Supply Total	\$241,514	17,097	\$14.126
PNGTS Path Total	\$362,955	44,395	\$8.176
Total System	\$58,708,002	11,168,072	\$5.257

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	964,956	\$0.578
Tennessee Production Path Total	\$4,851,857	3,971,760	\$1.222
New TGP Zone 6 Supplies Total	\$0	546,064	\$0.000
Niagara Path Total	\$302,400	156,290	\$1.935
New Lewiston Supplies Total	\$0	168,191	\$0.000
Chicago Path Total	\$3,424,276	820,827	\$4.172
LNG Plant Total	\$411,079	136,235	\$3.017
W10 Path Total	\$31,914,948	4,342,258	\$7.350
Peaking Supply Total	\$1,467	17,097	\$0.086
PNGTS Path Total	\$531,242	44,395	\$11.966
Total System	\$41,994,612	11,168,072	\$3.760

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$330,426	964,956	\$0.342
Tennessee Production Path Total	\$1,360,036	3,971,760	\$0.342
New TGP Zone 6 Supplies Total	\$186,987	546,064	\$0.342
Niagara Path Total	\$53,518	156,290	\$0.342
New Lewiston Supplies Total	\$0	0	
Chicago Path Total	\$281,073	820,827	\$0.342
LNG Plant Total	\$0	0	
W10 Path Total	\$1,486,904	4,342,258	\$0.342
Peaking Supply Total	\$5,854	17,097	\$0.342
PNGTS Path Total	\$15,202	44,395	\$0.342
Total System	\$3,720,000	10,863,646	\$0.342

Base Case Design Weather Scenario			
Estimated Delivered City-Gate Total Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,101,654	964,956	\$6.323
New Lewiston Supplies Total	\$2,972,584	420,733	\$7.065
Tennessee Production Path Total	\$28,448,859	4,006,895	\$7.100
New TGP Zone 6 Supplies Total	\$7,628,766	1,058,040	\$7.210
Niagara Path Total	\$2,435,140	332,659	\$7.320
Chicago Path Total	\$10,869,363	1,201,998	\$9.043
LNG Plant Total	\$1,396,012	117,370	\$11.894
PNGTS Path Total	\$1,296,084	102,186	\$12.684
Peaking Supply Total	\$192,955	12,987	\$14.857
W10 Path Total	\$54,030,109	3,148,116	\$17.163
Total System	\$115,371,527	11,365,940	\$10.151

Estimated Delivered City-Gate Commodity Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,214,549	964,956	\$5.404
New Lewiston Supplies Total	\$2,972,584	420,733	\$7.065
Tennessee Production Path Total	\$22,220,398	4,006,895	\$5.546
New TGP Zone 6 Supplies Total	\$7,265,267	1,058,040	\$6.867
Niagara Path Total	\$2,018,452	332,659	\$6.068
Chicago Path Total	\$7,035,163	1,201,998	\$5.853
LNG Plant Total	\$1,045,076	117,370	\$8.904
PNGTS Path Total	\$729,736	102,186	\$7.141
Peaking Supply Total	\$188,470	12,987	\$14.512
W10 Path Total	\$21,033,598	3,148,116	\$6.681
Total System	\$69,723,292	11,365,940	\$6.134

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
New Lewiston Supplies Total	\$0	420,733	\$0.000
Tennessee Production Path Total	\$4,851,857	4,006,895	\$1.211
New TGP Zone 6 Supplies Total	\$0	1,058,040	\$0.000
Niagara Path Total	\$302,400	332,659	\$0.909
Chicago Path Total	\$3,421,243	1,201,998	\$2.846
LNG Plant Total	\$350,936	117,370	\$2.990
PNGTS Path Total	\$531,242	102,186	\$5.199
Peaking Supply Total	\$24	12,987	\$0.002
W10 Path Total	\$31,914,948	3,148,116	\$10.138
Total System	\$41,928,235	11,365,940	\$3.689

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$331,519	964,956	\$0.344
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$1,376,604	4,006,895	\$0.344
New TGP Zone 6 Supplies Total	\$363,499	1,058,040	\$0.344
Niagara Path Total	\$114,288	332,659	\$0.344
Chicago Path Total	\$412,957	1,201,998	\$0.344
LNG Plant Total	\$0	0	
PNGTS Path Total	\$35,107	102,186	\$0.344
Peaking Supply Total	\$4,462	12,987	\$0.344
W10 Path Total	\$1,081,563	3,148,116	\$0.344
Total System	\$3,720,000	10,827,837	\$0.344

Base Case Design Weather Scenario			
Estimated Delivered City-Gate Total Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,367,948	964,956	\$6.599
Tennessee Production Path Total	\$29,804,459	4,048,360	\$7.362
New Lewiston Supplies Total	\$3,405,319	458,204	\$7.432
New TGP Zone 6 Supplies Total	\$8,247,965	1,101,417	\$7.489
Niagara Path Total	\$2,538,957	334,230	\$7.596
Chicago Path Total	\$11,346,102	1,223,001	\$9.277
LNG Plant Total	\$1,779,525	145,253	\$12.251
PNGTS Path Total	\$1,375,794	108,209	\$12.714
Peaking Supply Total	\$321,375	20,950	\$15.340
W10 Path Total	\$55,706,374	3,236,396	\$17.212
Total System	\$120,893,819	11,640,977	\$10.385

Estimated Delivered City-Gate Commodity Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,487,141	964,956	\$5.686
Tennessee Production Path Total	\$23,588,174	4,048,360	\$5.827
New Lewiston Supplies Total	\$3,405,319	458,204	\$7.432
New TGP Zone 6 Supplies Total	\$7,876,752	1,101,417	\$7.151
Niagara Path Total	\$2,123,910	334,230	\$6.355
Chicago Path Total	\$7,512,668	1,223,001	\$6.143
LNG Plant Total	\$1,345,218	145,253	\$9.261
PNGTS Path Total	\$808,082	108,209	\$7.468
Peaking Supply Total	\$310,996	20,950	\$14.844
W10 Path Total	\$22,700,657	3,236,396	\$7.014
Total System	\$75,158,918	11,640,977	\$6.456

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
Tennessee Production Path Total	\$4,851,857	4,048,360	\$1.198
New Lewiston Supplies Total	\$0	458,204	\$0.000
New TGP Zone 6 Supplies Total	\$0	1,101,417	\$0.000
Niagara Path Total	\$302,400	334,230	\$0.905
Chicago Path Total	\$3,421,243	1,223,001	\$2.797
LNG Plant Total	\$434,307	145,253	\$2.990
PNGTS Path Total	\$531,242	108,209	\$4.909
Peaking Supply Total	\$3,318	20,950	\$0.158
W10 Path Total	\$31,914,948	3,236,396	\$9.861
Total System	\$42,014,900	11,640,977	\$3.609

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$325,221	964,956	\$0.337
Tennessee Production Path Total	\$1,364,428	4,048,360	\$0.337
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$371,213	1,101,417	\$0.337
Niagara Path Total	\$112,646	334,230	\$0.337
Chicago Path Total	\$412,191	1,223,001	\$0.337
LNG Plant Total	\$0	0	
PNGTS Path Total	\$36,470	108,209	\$0.337
Peaking Supply Total	\$7,061	20,950	\$0.337
W10 Path Total	\$1,090,770	3,236,396	\$0.337
Total System	\$3,720,000	11,037,520	\$0.337

Base Case Design Weather Scenario			
Estimated Delivered City-Gate Total Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,622,310	967,599	\$6.844
New TGP Zone 6 Supplies Total	\$12,349,157	1,643,279	\$7.515
Tennessee Production Path Total	\$31,138,791	4,097,825	\$7.599
New Lewiston Supplies Total	\$3,158,659	414,058	\$7.629
Niagara Path Total	\$2,626,955	334,910	\$7.844
Chicago Path Total	\$9,582,240	952,435	\$10.061
LNG Plant Total	\$1,581,197	127,202	\$12.431
PNGTS Path Total	\$1,355,383	102,907	\$13.171
Peaking Supply Total	\$302,935	19,438	\$15.585
W10 Path Total	\$56,555,055	3,234,475	\$17.485
Total System	\$125,272,683	11,894,128	\$10.532

Estimated Delivered City-Gate Commodity Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,749,671	967,599	\$5.942
New TGP Zone 6 Supplies Total	\$11,810,703	1,643,279	\$7.187
Tennessee Production Path Total	\$24,944,198	4,097,825	\$6.087
New Lewiston Supplies Total	\$3,158,659	414,058	\$7.629
Niagara Path Total	\$2,214,815	334,910	\$6.613
Chicago Path Total	\$6,200,874	952,435	\$6.511
LNG Plant Total	\$1,204,601	127,202	\$9.470
PNGTS Path Total	\$790,421	102,907	\$7.681
Peaking Supply Total	\$293,567	19,438	\$15.103
W10 Path Total	\$23,580,265	3,234,475	\$7.290
Total System	\$79,947,774	11,894,128	\$6.722

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	967,599	\$0.574
New TGP Zone 6 Supplies Total	\$0	1,643,279	\$0.000
Tennessee Production Path Total	\$4,851,857	4,097,825	\$1.184
New Lewiston Supplies Total	\$0	414,058	\$0.000
Niagara Path Total	\$302,400	334,910	\$0.903
Chicago Path Total	\$3,069,281	952,435	\$3.223
LNG Plant Total	\$376,596	127,202	\$2.961
PNGTS Path Total	\$531,242	102,907	\$5.162
Peaking Supply Total	\$2,999	19,438	\$0.154
W10 Path Total	\$31,914,948	3,234,475	\$9.867
Total System	\$41,604,908	11,894,128	\$3.498

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$317,054	967,599	\$0.328
New TGP Zone 6 Supplies Total	\$538,454	1,643,279	\$0.328
Tennessee Production Path Total	\$1,342,736	4,097,825	\$0.328
New Lewiston Supplies Total	\$0	0	\$0.328
Niagara Path Total	\$109,740	334,910	\$0.328
Chicago Path Total	\$312,085	952,435	\$0.328
LNG Plant Total	\$0	0	\$0.328
PNGTS Path Total	\$33,720	102,907	\$0.328
Peaking Supply Total	\$6,369	19,438	\$0.328
W10 Path Total	\$1,059,842	3,234,475	\$0.328
Total System	\$3,720,000	11,352,868	\$0.328

Appendix VI-7(2). Base Case Normal Total Costs

Base Case Normal Weather Scenario			
Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$30,370,171	4,827,885	\$6.291
New Lewiston Supplies Total	\$10,728,542	1,611,136	\$6.659
Tennessee Production Path Total	\$141,039,939	20,060,741	\$7.031
New TGP Zone 6 Supplies Total	\$26,053,229	3,627,149	\$7.183
Niagara Path Total	\$9,278,308	1,179,296	\$7.868
Chicago Path Total	\$39,219,263	3,881,403	\$10.104
LNG Plant Total	\$3,152,050	262,614	\$12.003
PNGTS Path Total	\$5,503,454	400,771	\$13.732
W10 Path Total	\$264,170,607	16,445,383	\$16.064
Peaking Supply Total	\$644,002	34,562	\$18.633
Total System	\$530,159,565	52,330,940	\$10.131

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$25,805,011	4,827,885	\$5.345
New Lewiston Supplies Total	\$10,728,542	1,611,136	\$6.659
Tennessee Production Path Total	\$109,371,663	20,060,741	\$5.452
New TGP Zone 6 Supplies Total	\$24,752,906	3,627,149	\$6.824
Niagara Path Total	\$7,286,703	1,179,296	\$6.179
Chicago Path Total	\$22,252,062	3,881,403	\$5.733
LNG Plant Total	\$2,219,588	262,614	\$8.452
PNGTS Path Total	\$2,696,178	400,771	\$6.727
W10 Path Total	\$98,513,965	16,445,383	\$5.990
Peaking Supply Total	\$496,158	34,562	\$14.356
Total System	\$304,122,776	52,330,940	\$5.812

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$2,781,442	4,827,885	\$0.576
New Lewiston Supplies Total	\$0	1,611,136	\$0.000
Tennessee Production Path Total	\$24,259,283	20,060,741	\$1.209
New TGP Zone 6 Supplies Total	\$0	3,627,149	\$0.000
Niagara Path Total	\$1,563,265	1,179,296	\$1.326
Chicago Path Total	\$15,534,388	3,881,403	\$4.002
LNG Plant Total	\$932,462	262,614	\$3.551
PNGTS Path Total	\$2,656,210	400,771	\$6.628
W10 Path Total	\$159,574,739	16,445,383	\$9.703
Peaking Supply Total	\$135,000	34,562	\$3.906
Total System	\$207,436,788	52,330,940	\$3.964

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$1,783,718	4,827,885	\$0.369
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$7,408,993	20,060,741	\$0.369
New TGP Zone 6 Supplies Total	\$1,300,323	3,627,149	\$0.358
Niagara Path Total	\$428,340	1,179,296	\$0.363
Chicago Path Total	\$1,432,813	3,881,403	\$0.369
LNG Plant Total	\$0	0	
PNGTS Path Total	\$151,066	400,771	\$0.377
W10 Path Total	\$6,081,903	16,445,383	\$0.370
Peaking Supply Total	\$12,843	34,562	\$0.372
Total System	\$18,600,000	50,457,189	\$0.369

Base Case Normal Weather Scenario			
Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,448,839	965,418	\$5.644
New Lewiston Supplies Total	\$5,224,582	840,490	\$6.216
Tennessee Production Path Total	\$24,754,090	3,978,347	\$6.222
Niagara Path Total	\$866,260	95,619	\$9.059
Chicago Path Total	\$7,297,161	756,466	\$9.646
PNGTS Path Total	\$1,563,771	157,299	\$9.941
LNG Plant Total	\$956,650	74,504	\$12.840
W10 Path Total	\$48,633,635	3,252,120	\$14.954
Peaking Supply Total	\$262,758	9,219	\$28.501
Total System	\$95,007,747	10,129,483	\$9.379

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,501,745	965,418	\$4.663
New Lewiston Supplies Total	\$5,224,582	840,490	\$6.216
Tennessee Production Path Total	\$18,296,127	3,978,347	\$4.599
Niagara Path Total	\$473,994	95,619	\$4.957
Chicago Path Total	\$3,567,490	756,466	\$4.716
PNGTS Path Total	\$969,026	157,299	\$6.160
LNG Plant Total	\$582,900	74,504	\$7.824
W10 Path Total	\$15,405,768	3,252,120	\$4.737
Peaking Supply Total	\$124,036	9,219	\$13.454
Total System	\$49,145,668	10,129,483	\$4.852

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	965,418	\$0.577
New Lewiston Supplies Total	\$0	840,490	\$0.000
Tennessee Production Path Total	\$4,851,857	3,978,347	\$1.220
Niagara Path Total	\$353,664	95,619	\$3.699
Chicago Path Total	\$3,424,276	756,466	\$4.527
PNGTS Path Total	\$531,242	157,299	\$3.377
LNG Plant Total	\$373,750	74,504	\$5.017
W10 Path Total	\$31,914,948	3,252,120	\$9.814
Peaking Supply Total	\$135,000	9,219	\$14.643
Total System	\$42,142,079	10,129,483	\$4.160

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$389,751	965,418	\$0.404
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$1,606,107	3,978,347	\$0.404
Niagara Path Total	\$38,603	95,619	\$0.404
Chicago Path Total	\$305,395	756,466	\$0.404
PNGTS Path Total	\$63,504	157,299	\$0.404
LNG Plant Total	\$0	0	
W10 Path Total	\$1,312,920	3,252,120	\$0.404
Peaking Supply Total	\$3,722	9,219	\$0.404
Total System	\$3,720,000	9,214,489	\$0.404

Base Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,763,791	964,956	\$5.973
Tennessee Production Path Total	\$26,687,206	3,940,595	\$6.772
New TGP Zone 6 Supplies Total	\$2,545,971	364,645	\$6.982
New Lewiston Supplies Total	\$502,324	61,200	\$8.208
Niagara Path Total	\$1,011,168	116,496	\$8.680
LNG Plant Total	\$556,601	49,614	\$11.219
Chicago Path Total	\$6,321,995	538,129	\$11.748
W10 Path Total	\$53,681,648	4,172,308	\$12.866
Peaking Supply Total	\$91,845	6,336	\$14.496
PNGTS Path Total	\$709,801	21,186	\$33.503
Total System	\$97,872,349	10,235,464	\$9.562

Estimated Delivered City-Gate Commodity Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,851,904	964,956	\$5.028
Tennessee Production Path Total	\$20,387,495	3,940,595	\$5.174
New TGP Zone 6 Supplies Total	\$2,411,994	364,645	\$6.615
New Lewiston Supplies Total	\$502,324	61,200	\$8.208
Niagara Path Total	\$665,965	116,496	\$5.717
LNG Plant Total	\$408,255	49,614	\$8.229
Chicago Path Total	\$2,909,629	538,129	\$5.407
W10 Path Total	\$20,233,710	4,172,308	\$4.850
Peaking Supply Total	\$89,517	6,336	\$14.128
PNGTS Path Total	\$170,775	21,186	\$8.061
Total System	\$52,631,569	10,235,464	\$5.142

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	964,956	\$0.578
Tennessee Production Path Total	\$4,851,857	3,940,595	\$1.231
New TGP Zone 6 Supplies Total	\$0	364,645	\$0.000
New Lewiston Supplies Total	\$0	61,200	\$0.000
Niagara Path Total	\$302,400	116,496	\$2.596
LNG Plant Total	\$148,345	49,614	\$2.990
Chicago Path Total	\$3,214,646	538,129	\$5.974
W10 Path Total	\$31,914,948	4,172,308	\$7.649
Peaking Supply Total	\$0	6,336	\$0.000
PNGTS Path Total	\$531,242	21,186	\$25.075
Total System	\$41,520,781	10,235,464	\$4.057

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$354,544	964,956	\$0.367
Tennessee Production Path Total	\$1,447,854	3,940,595	\$0.367
New TGP Zone 6 Supplies Total	\$133,978	364,645	\$0.367
New Lewiston Supplies Total	\$0	0	
Niagara Path Total	\$42,803	116,496	\$0.367
LNG Plant Total	\$0	0	
Chicago Path Total	\$197,719	538,129	\$0.367
W10 Path Total	\$1,532,990	4,172,308	\$0.367
Peaking Supply Total	\$2,328	6,336	\$0.367
PNGTS Path Total	\$7,784	21,186	\$0.367
Total System	\$3,720,000	10,124,650	\$0.367

Base Case Normal Weather Scenario			
Estimated Delivered City-Gate Total Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,122,716	964,956	\$6.345
New Lewiston Supplies Total	\$1,265,347	186,568	\$6.782
New TGP Zone 6 Supplies Total	\$6,209,070	894,785	\$6.939
Tennessee Production Path Total	\$28,511,278	4,002,620	\$7.123
Niagara Path Total	\$2,363,295	319,859	\$7.389
Chicago Path Total	\$8,815,079	928,118	\$9.498
LNG Plant Total	\$492,340	43,119	\$11.418
PNGTS Path Total	\$1,039,319	72,035	\$14.428
Peaking Supply Total	\$54,598	3,664	\$14.903
W10 Path Total	\$52,944,484	2,994,983	\$17.678
Total System	\$107,817,525	10,410,706	\$10.356

Estimated Delivered City-Gate Commodity Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,214,549	964,956	\$5.404
New Lewiston Supplies Total	\$1,265,347	186,568	\$6.782
New TGP Zone 6 Supplies Total	\$5,882,129	894,785	\$6.574
Tennessee Production Path Total	\$22,196,921	4,002,620	\$5.546
Niagara Path Total	\$1,944,023	319,859	\$6.078
Chicago Path Total	\$5,393,482	928,118	\$5.811
LNG Plant Total	\$367,151	43,119	\$8.515
PNGTS Path Total	\$481,756	72,035	\$6.688
Peaking Supply Total	\$53,259	3,664	\$14.538
W10 Path Total	\$19,935,211	2,994,983	\$6.656
Total System	\$62,733,829	10,410,706	\$6.026

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
New Lewiston Supplies Total	\$0	186,568	\$0.000
New TGP Zone 6 Supplies Total	\$0	894,785	\$0.000
Tennessee Production Path Total	\$4,851,857	4,002,620	\$1.212
Niagara Path Total	\$302,400	319,859	\$0.945
Chicago Path Total	\$3,082,476	928,118	\$3.321
LNG Plant Total	\$125,189	43,119	\$2.903
PNGTS Path Total	\$531,242	72,035	\$7.375
Peaking Supply Total	\$0	3,664	\$0.000
W10 Path Total	\$31,914,948	2,994,983	\$10.656
Total System	\$41,363,696	10,410,706	\$3.973

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$352,581	964,956	\$0.365
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$326,942	894,785	\$0.365
Tennessee Production Path Total	\$1,462,501	4,002,620	\$0.365
Niagara Path Total	\$116,872	319,859	\$0.365
Chicago Path Total	\$339,121	928,118	\$0.365
LNG Plant Total	\$0	0	
PNGTS Path Total	\$26,321	72,035	\$0.365
Peaking Supply Total	\$1,339	3,664	\$0.365
W10 Path Total	\$1,094,324	2,994,983	\$0.365
Total System	\$3,720,000	10,181,019	\$0.365

Base Case Normal Weather Scenario			
Estimated Delivered City-Gate Total Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,390,188	964,956	\$6.622
New Lewiston Supplies Total	\$1,972,788	280,192	\$7.041
New TGP Zone 6 Supplies Total	\$6,953,698	957,441	\$7.263
Tennessee Production Path Total	\$29,874,176	4,044,513	\$7.386
Niagara Path Total	\$2,475,938	323,312	\$7.658
Chicago Path Total	\$9,173,771	942,812	\$9.730
LNG Plant Total	\$616,332	51,260	\$12.024
PNGTS Path Total	\$1,133,540	81,179	\$13.963
Peaking Supply Total	\$119,237	7,854	\$15.181
W10 Path Total	\$54,025,195	3,008,989	\$17.955
Total System	\$112,734,863	10,662,507	\$10.573

Estimated Delivered City-Gate Commodity Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,487,141	964,956	\$5.686
New Lewiston Supplies Total	\$1,972,788	280,192	\$7.041
New TGP Zone 6 Supplies Total	\$6,608,943	957,441	\$6.903
Tennessee Production Path Total	\$23,565,974	4,044,513	\$5.827
Niagara Path Total	\$2,057,120	323,312	\$6.363
Chicago Path Total	\$5,751,808	942,812	\$6.101
LNG Plant Total	\$459,327	51,260	\$8.961
PNGTS Path Total	\$573,068	81,179	\$7.059
Peaking Supply Total	\$116,408	7,854	\$14.821
W10 Path Total	\$21,026,772	3,008,989	\$6.988
Total System	\$67,619,350	10,662,507	\$6.342

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
New Lewiston Supplies Total	\$0	280,192	\$0.000
New TGP Zone 6 Supplies Total	\$0	957,441	\$0.000
Tennessee Production Path Total	\$4,851,857	4,044,513	\$1.200
Niagara Path Total	\$302,400	323,312	\$0.935
Chicago Path Total	\$3,082,476	942,812	\$3.269
LNG Plant Total	\$157,005	51,260	\$3.063
PNGTS Path Total	\$531,242	81,179	\$6.544
Peaking Supply Total	\$0	7,854	\$0.000
W10 Path Total	\$31,914,948	3,008,989	\$10.607
Total System	\$41,395,513	10,662,507	\$3.882

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$347,461	964,956	\$0.360
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$344,755	957,441	\$0.360
Tennessee Production Path Total	\$1,456,346	4,044,513	\$0.360
Niagara Path Total	\$116,418	323,312	\$0.360
Chicago Path Total	\$339,487	942,812	\$0.360
LNG Plant Total	\$0	0	
PNGTS Path Total	\$29,231	81,179	\$0.360
Peaking Supply Total	\$2,828	7,854	\$0.360
W10 Path Total	\$1,083,475	3,008,989	\$0.360
Total System	\$3,720,000	10,331,055	\$0.360

Base Case Normal Weather Scenario			
Estimated Delivered City-Gate Total Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,644,637	967,599	\$6.867
New Lewiston Supplies Total	\$1,763,501	242,687	\$7.267
New TGP Zone 6 Supplies Total	\$10,344,490	1,410,278	\$7.335
Tennessee Production Path Total	\$31,213,189	4,094,666	\$7.623
Niagara Path Total	\$2,561,647	324,010	\$7.906
Chicago Path Total	\$7,611,258	715,879	\$10.632
LNG Plant Total	\$530,127	44,117	\$12.016
PNGTS Path Total	\$1,057,022	69,072	\$15.303
Peaking Supply Total	\$115,564	7,489	\$15.431
W10 Path Total	\$54,885,646	3,016,983	\$18.192
Total System	\$116,727,081	10,892,780	\$10.716

Estimated Delivered City-Gate Commodity Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,749,671	967,599	\$5.942
New Lewiston Supplies Total	\$1,763,501	242,687	\$7.267
New TGP Zone 6 Supplies Total	\$9,849,841	1,410,278	\$6.984
Tennessee Production Path Total	\$24,925,146	4,094,666	\$6.087
Niagara Path Total	\$2,145,602	324,010	\$6.622
Chicago Path Total	\$4,629,652	715,879	\$6.467
LNG Plant Total	\$401,954	44,117	\$9.111
PNGTS Path Total	\$501,554	69,072	\$7.261
Peaking Supply Total	\$112,937	7,489	\$15.081
W10 Path Total	\$21,912,504	3,016,983	\$7.263
Total System	\$71,992,362	10,892,780	\$6.609

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	967,599	\$0.574
New Lewiston Supplies Total	\$0	242,687	\$0.000
New TGP Zone 6 Supplies Total	\$0	1,410,278	\$0.000
Tennessee Production Path Total	\$4,851,857	4,094,666	\$1.185
Niagara Path Total	\$302,400	324,010	\$0.933
Chicago Path Total	\$2,730,514	715,879	\$3.814
LNG Plant Total	\$128,173	44,117	\$2.905
PNGTS Path Total	\$531,242	69,072	\$7.691
Peaking Supply Total	\$0	7,489	\$0.000
W10 Path Total	\$31,914,948	3,016,983	\$10.578
Total System	\$41,014,719	10,892,780	\$3.765

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$339,381	967,599	\$0.351
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$494,649	1,410,278	\$0.351
Tennessee Production Path Total	\$1,436,186	4,094,666	\$0.351
Niagara Path Total	\$113,645	324,010	\$0.351
Chicago Path Total	\$251,091	715,879	\$0.351
LNG Plant Total	\$0	0	
PNGTS Path Total	\$24,227	69,072	\$0.351
Peaking Supply Total	\$2,627	7,489	\$0.351
W10 Path Total	\$1,058,194	3,016,983	\$0.351
Total System	\$3,720,000	10,605,976	\$0.351

Appendix VI-7(3). High Case Design Total Costs

High Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$30,214,996	4,830,066	\$6.256
Tennessee Production Path Total	\$142,399,899	20,409,040	\$6.977
New Lewiston Supplies Total	\$17,872,096	2,511,942	\$7.115
New TGP Zone 6 Supplies Total	\$34,484,320	4,684,072	\$7.362
Niagara Path Total	\$10,671,326	1,426,521	\$7.481
Chicago Path Total	\$49,695,227	5,416,046	\$9.176
LNG Plant Total	\$9,616,876	807,139	\$11.915
PNGTS Path Total	\$6,830,446	557,977	\$12.241
Peaking Supply Total	\$5,338,312	354,288	\$15.068
W10 Path Total	\$274,069,497	17,942,667	\$15.275
Total System	\$581,192,996	58,939,758	\$9.861

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$25,814,385	4,830,066	\$5.345
Tennessee Production Path Total	\$111,303,803	20,409,040	\$5.454
New Lewiston Supplies Total	\$17,872,096	2,511,942	\$7.115
New TGP Zone 6 Supplies Total	\$32,962,616	4,684,072	\$7.037
Niagara Path Total	\$8,633,600	1,426,521	\$6.052
Chicago Path Total	\$31,118,427	5,416,046	\$5.746
LNG Plant Total	\$7,207,268	807,139	\$8.929
PNGTS Path Total	\$3,985,839	557,977	\$7.143
Peaking Supply Total	\$5,053,581	354,288	\$14.264
W10 Path Total	\$108,474,250	17,942,667	\$6.046
Total System	\$352,425,864	58,939,758	\$5.979

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$2,781,442	4,830,066	\$0.576
Tennessee Production Path Total	\$24,259,283	20,409,040	\$1.189
New Lewiston Supplies Total	\$0	2,511,942	\$0.000
New TGP Zone 6 Supplies Total	\$0	4,684,072	\$0.000
Niagara Path Total	\$1,563,265	1,426,521	\$1.096
Chicago Path Total	\$16,760,320	5,416,046	\$3.095
LNG Plant Total	\$2,409,608	807,139	\$2.985
PNGTS Path Total	\$2,656,210	557,977	\$4.760
Peaking Supply Total	\$162,265	354,288	\$0.458
W10 Path Total	\$159,574,739	17,942,667	\$8.894
Total System	\$210,167,131	58,939,758	\$3.566

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$1,619,169	4,830,066	\$0.335
Tennessee Production Path Total	\$6,836,813	20,409,040	\$0.335
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$1,521,705	4,684,072	\$0.325
Niagara Path Total	\$474,461	1,426,521	\$0.333
Chicago Path Total	\$1,816,480	5,416,046	\$0.335
LNG Plant Total	\$0	0	
PNGTS Path Total	\$188,398	557,977	\$0.338
Peaking Supply Total	\$122,466	354,288	\$0.346
W10 Path Total	\$6,020,508	17,942,667	\$0.336
Total System	\$18,600,000	55,620,677	\$0.334

High Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,421,392	967,599	\$5.603
Tennessee Production Path Total	\$24,770,738	4,012,341	\$6.174
New Lewiston Supplies Total	\$5,249,941	845,640	\$6.208
Niagara Path Total	\$1,585,719	229,163	\$6.920
Chicago Path Total	\$9,024,373	1,093,437	\$8.253
PNGTS Path Total	\$1,592,209	163,851	\$9.717
LNG Plant Total	\$1,345,178	126,250	\$10.655
W10 Path Total	\$50,078,723	3,545,424	\$14.125
Peaking Supply Total	\$2,779,233	187,029	\$14.860
Total System	\$101,847,505	11,170,734	\$9.117

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,511,120	967,599	\$4.662
Tennessee Production Path Total	\$18,455,392	4,012,341	\$4.600
New Lewiston Supplies Total	\$5,249,941	845,640	\$6.208
Niagara Path Total	\$1,148,468	229,163	\$5.012
Chicago Path Total	\$5,201,268	1,093,437	\$4.757
PNGTS Path Total	\$1,001,203	163,851	\$6.110
LNG Plant Total	\$971,428	126,250	\$7.694
W10 Path Total	\$16,870,592	3,545,424	\$4.758
Peaking Supply Total	\$2,576,014	187,029	\$13.773
Total System	\$55,985,426	11,170,734	\$5.012

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	967,599	\$0.576
Tennessee Production Path Total	\$4,851,857	4,012,341	\$1.209
New Lewiston Supplies Total	\$0	845,640	\$0.000
Niagara Path Total	\$353,664	229,163	\$1.543
Chicago Path Total	\$3,424,276	1,093,437	\$3.132
PNGTS Path Total	\$531,242	163,851	\$3.242
LNG Plant Total	\$373,750	126,250	\$2.960
W10 Path Total	\$31,914,948	3,545,424	\$9.002
Peaking Supply Total	\$135,000	187,029	\$0.722
Total System	\$42,142,079	11,170,734	\$3.773

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$352,929	967,599	\$0.365
Tennessee Production Path Total	\$1,463,490	4,012,341	\$0.365
New Lewiston Supplies Total	\$0	0	
Niagara Path Total	\$83,587	229,163	\$0.365
Chicago Path Total	\$398,828	1,093,437	\$0.365
PNGTS Path Total	\$59,764	163,851	\$0.365
LNG Plant Total	\$0	0	
W10 Path Total	\$1,293,183	3,545,424	\$0.365
Peaking Supply Total	\$68,218	187,029	\$0.365
Total System	\$3,720,000	10,198,844	\$0.365

High Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,733,929	964,956	\$5.942
Tennessee Production Path Total	\$26,995,775	4,018,062	\$6.719
New TGP Zone 6 Supplies Total	\$4,170,905	593,288	\$7.030
Niagara Path Total	\$1,334,528	170,612	\$7.822
New Lewiston Supplies Total	\$1,575,864	191,450	\$8.231
Chicago Path Total	\$8,451,495	871,030	\$9.703
LNG Plant Total	\$1,869,762	161,073	\$11.608
W10 Path Total	\$54,578,816	4,360,053	\$12.518
Peaking Supply Total	\$371,204	25,348	\$14.644
PNGTS Path Total	\$970,286	52,496	\$18.483
Total System	\$106,052,564	11,408,367	\$9.296

Estimated Delivered City-Gate Commodity Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,851,904	964,956	\$5.028
Tennessee Production Path Total	\$20,791,947	4,018,062	\$5.175
New TGP Zone 6 Supplies Total	\$3,971,279	593,288	\$6.694
Niagara Path Total	\$974,721	170,612	\$5.713
New Lewiston Supplies Total	\$1,575,864	191,450	\$8.231
Chicago Path Total	\$4,734,140	871,030	\$5.435
LNG Plant Total	\$1,384,415	161,073	\$8.595
W10 Path Total	\$21,196,826	4,360,053	\$4.862
Peaking Supply Total	\$358,602	25,348	\$14.147
PNGTS Path Total	\$421,380	52,496	\$8.027
Total System	\$60,261,078	11,408,367	\$5.282

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	964,956	\$0.578
Tennessee Production Path Total	\$4,851,857	4,018,062	\$1.208
New TGP Zone 6 Supplies Total	\$0	593,288	\$0.000
Niagara Path Total	\$302,400	170,612	\$1.772
New Lewiston Supplies Total	\$0	191,450	\$0.000
Chicago Path Total	\$3,424,276	871,030	\$3.931
LNG Plant Total	\$485,347	161,073	\$3.013
W10 Path Total	\$31,914,948	4,360,053	\$7.320
Peaking Supply Total	\$4,073	25,348	\$0.161
PNGTS Path Total	\$531,242	52,496	\$10.120
Total System	\$42,071,485	11,408,367	\$3.688

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$324,682	964,956	\$0.336
Tennessee Production Path Total	\$1,351,972	4,018,062	\$0.336
New TGP Zone 6 Supplies Total	\$199,626	593,288	\$0.336
Niagara Path Total	\$57,406	170,612	\$0.336
New Lewiston Supplies Total	\$0	0	
Chicago Path Total	\$293,079	871,030	\$0.336
LNG Plant Total	\$0	0	
W10 Path Total	\$1,467,043	4,360,053	\$0.336
Peaking Supply Total	\$8,529	25,348	\$0.336
PNGTS Path Total	\$17,663	52,496	\$0.336
Total System	\$3,720,000	11,055,844	\$0.336

High Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,093,359	964,956	\$6.315
Tennessee Production Path Total	\$28,765,866	4,067,308	\$7.072
New Lewiston Supplies Total	\$3,341,657	466,644	\$7.161
New TGP Zone 6 Supplies Total	\$8,024,155	1,115,154	\$7.196
Niagara Path Total	\$2,446,777	335,022	\$7.303
Chicago Path Total	\$11,031,128	1,230,791	\$8.963
LNG Plant Total	\$1,823,350	152,225	\$11.978
PNGTS Path Total	\$1,365,703	110,715	\$12.335
Peaking Supply Total	\$351,457	23,314	\$15.075
W10 Path Total	\$54,805,749	3,258,432	\$16.820
Total System	\$118,049,200	11,724,561	\$10.069

Estimated Delivered City-Gate Commodity Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,214,549	964,956	\$5.404
Tennessee Production Path Total	\$22,551,610	4,067,308	\$5.545
New Lewiston Supplies Total	\$3,341,657	466,644	\$7.161
New TGP Zone 6 Supplies Total	\$7,650,619	1,115,154	\$6.861
Niagara Path Total	\$2,032,156	335,022	\$6.066
Chicago Path Total	\$7,197,615	1,230,791	\$5.848
LNG Plant Total	\$1,368,197	152,225	\$8.988
PNGTS Path Total	\$797,376	110,715	\$7.202
Peaking Supply Total	\$339,569	23,314	\$14.565
W10 Path Total	\$21,799,345	3,258,432	\$6.690
Total System	\$72,292,694	11,724,561	\$6.166

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
Tennessee Production Path Total	\$4,851,857	4,067,308	\$1.193
New Lewiston Supplies Total	\$0	466,644	\$0.000
New TGP Zone 6 Supplies Total	\$0	1,115,154	\$0.000
Niagara Path Total	\$302,400	335,022	\$0.903
Chicago Path Total	\$3,421,243	1,230,791	\$2.780
LNG Plant Total	\$455,152	152,225	\$2.990
PNGTS Path Total	\$531,242	110,715	\$4.798
Peaking Supply Total	\$4,079	23,314	\$0.175
W10 Path Total	\$31,914,948	3,258,432	\$9.795
Total System	\$42,036,506	11,724,561	\$3.585

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$323,225	964,956	\$0.335
Tennessee Production Path Total	\$1,362,399	4,067,308	\$0.335
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$373,536	1,115,154	\$0.335
Niagara Path Total	\$112,220	335,022	\$0.335
Chicago Path Total	\$412,270	1,230,791	\$0.335
LNG Plant Total	\$0	0	
PNGTS Path Total	\$37,086	110,715	\$0.335
Peaking Supply Total	\$7,809	23,314	\$0.335
W10 Path Total	\$1,091,455	3,258,432	\$0.335
Total System	\$3,720,000	11,105,692	\$0.335

High Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,357,092	964,956	\$6.588
Tennessee Production Path Total	\$30,214,682	4,123,376	\$7.328
New TGP Zone 6 Supplies Total	\$8,833,968	1,182,564	\$7.470
New Lewiston Supplies Total	\$3,859,746	513,314	\$7.519
Niagara Path Total	\$2,566,671	339,109	\$7.569
Chicago Path Total	\$11,555,938	1,259,149	\$9.178
LNG Plant Total	\$2,392,997	193,602	\$12.360
PNGTS Path Total	\$1,438,313	115,458	\$12.457
Peaking Supply Total	\$860,227	56,118	\$15.329
W10 Path Total	\$56,768,254	3,377,947	\$16.806
Total System	\$124,847,888	12,125,592	\$10.296

Estimated Delivered City-Gate Commodity Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,487,142	964,956	\$5.686
Tennessee Production Path Total	\$24,019,503	4,123,376	\$5.825
New TGP Zone 6 Supplies Total	\$8,448,710	1,182,564	\$7.144
New Lewiston Supplies Total	\$3,859,746	513,314	\$7.519
Niagara Path Total	\$2,153,796	339,109	\$6.351
Chicago Path Total	\$7,724,487	1,259,149	\$6.135
LNG Plant Total	\$1,814,126	193,602	\$9.370
PNGTS Path Total	\$869,457	115,458	\$7.531
Peaking Supply Total	\$833,035	56,118	\$14.844
W10 Path Total	\$23,752,831	3,377,947	\$7.032
Total System	\$78,962,833	12,125,592	\$6.512

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
Tennessee Production Path Total	\$4,851,857	4,123,376	\$1.177
New TGP Zone 6 Supplies Total	\$0	1,182,564	\$0.000
New Lewiston Supplies Total	\$0	513,314	\$0.000
Niagara Path Total	\$302,400	339,109	\$0.892
Chicago Path Total	\$3,421,243	1,259,149	\$2.717
LNG Plant Total	\$578,870	193,602	\$2.990
PNGTS Path Total	\$531,242	115,458	\$4.601
Peaking Supply Total	\$8,910	56,118	\$0.159
W10 Path Total	\$31,914,948	3,377,947	\$9.448
Total System	\$42,165,055	12,125,592	\$3.477

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$314,365	964,956	\$0.326
Tennessee Production Path Total	\$1,343,322	4,123,376	\$0.326
New TGP Zone 6 Supplies Total	\$385,258	1,182,564	\$0.326
New Lewiston Supplies Total	\$0	0	
Niagara Path Total	\$110,475	339,109	\$0.326
Chicago Path Total	\$410,208	1,259,149	\$0.326
LNG Plant Total	\$0	0	
PNGTS Path Total	\$37,614	115,458	\$0.326
Peaking Supply Total	\$18,282	56,118	\$0.326
W10 Path Total	\$1,100,475	3,377,947	\$0.326
Total System	\$3,720,000	11,418,676	\$0.326

High Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,609,224	967,599	\$6.831
New TGP Zone 6 Supplies Total	\$13,455,292	1,793,066	\$7.504
Tennessee Production Path Total	\$31,652,837	4,187,954	\$7.558
Niagara Path Total	\$2,737,632	352,615	\$7.764
New Lewiston Supplies Total	\$3,844,887	494,894	\$7.769
Chicago Path Total	\$9,632,293	961,639	\$10.017
LNG Plant Total	\$2,185,590	173,988	\$12.562
PNGTS Path Total	\$1,463,935	115,458	\$12.679
Peaking Supply Total	\$976,192	62,478	\$15.625
W10 Path Total	\$57,837,956	3,400,812	\$17.007
Total System	\$130,395,838	12,510,504	\$10.423

Estimated Delivered City-Gate Commodity Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,749,671	967,599	\$5.942
New TGP Zone 6 Supplies Total	\$12,892,007	1,793,066	\$7.190
Tennessee Production Path Total	\$25,485,351	4,187,954	\$6.085
Niagara Path Total	\$2,324,459	352,615	\$6.592
New Lewiston Supplies Total	\$3,844,887	494,894	\$7.769
Chicago Path Total	\$6,260,917	961,639	\$6.511
LNG Plant Total	\$1,669,102	173,988	\$9.593
PNGTS Path Total	\$896,422	115,458	\$7.764
Peaking Supply Total	\$946,361	62,478	\$15.147
W10 Path Total	\$24,854,656	3,400,812	\$7.308
Total System	\$84,923,833	12,510,504	\$6.788

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	967,599	\$0.574
New TGP Zone 6 Supplies Total	\$0	1,793,066	\$0.000
Tennessee Production Path Total	\$4,851,857	4,187,954	\$1.159
Niagara Path Total	\$302,400	352,615	\$0.858
New Lewiston Supplies Total	\$0	494,894	\$0.000
Chicago Path Total	\$3,069,281	961,639	\$3.192
LNG Plant Total	\$516,488	173,988	\$2.969
PNGTS Path Total	\$531,242	115,458	\$4.601
Peaking Supply Total	\$10,204	62,478	\$0.163
W10 Path Total	\$31,914,948	3,400,812	\$9.385
Total System	\$41,752,005	12,510,504	\$3.337

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$303,968	967,599	\$0.314
New TGP Zone 6 Supplies Total	\$563,285	1,793,066	\$0.314
Tennessee Production Path Total	\$1,315,630	4,187,954	\$0.314
Niagara Path Total	\$110,773	352,615	\$0.314
New Lewiston Supplies Total	\$0	0	
Chicago Path Total	\$302,095	961,639	\$0.314
LNG Plant Total	\$0	0	
PNGTS Path Total	\$36,271	115,458	\$0.314
Peaking Supply Total	\$19,627	62,478	\$0.314
W10 Path Total	\$1,068,352	3,400,812	\$0.314
Total System	\$3,720,000	11,841,621	\$0.314

Appendix VI-7(4). High Case Normal Total Costs

High Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$30,319,729	4,828,091	\$6.280
New Lewiston Supplies Total	\$11,750,765	1,749,905	\$6.715
Tennessee Production Path Total	\$142,592,755	20,358,508	\$7.004
New TGP Zone 6 Supplies Total	\$27,773,869	3,850,848	\$7.212
Niagara Path Total	\$9,407,401	1,203,752	\$7.815
Chicago Path Total	\$44,519,283	4,616,576	\$9.643
LNG Plant Total	\$3,534,145	294,886	\$11.985
PNGTS Path Total	\$5,716,266	426,555	\$13.401
W10 Path Total	\$265,543,318	16,668,508	\$15.931
Peaking Supply Total	\$1,056,220	61,898	\$17.064
Total System	\$542,213,751	54,059,526	\$10.030

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$25,805,895	4,828,091	\$5.345
New Lewiston Supplies Total	\$11,750,765	1,749,905	\$6.715
Tennessee Production Path Total	\$111,034,257	20,358,508	\$5.454
New TGP Zone 6 Supplies Total	\$26,445,486	3,850,848	\$6.867
Niagara Path Total	\$7,421,058	1,203,752	\$6.165
Chicago Path Total	\$26,568,709	4,616,576	\$5.755
LNG Plant Total	\$2,523,127	294,886	\$8.556
PNGTS Path Total	\$2,903,930	426,555	\$6.808
W10 Path Total	\$99,978,101	16,668,508	\$5.998
Peaking Supply Total	\$899,245	61,898	\$14.528
Total System	\$315,330,573	54,059,526	\$5.833

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$2,781,442	4,828,091	\$0.576
New Lewiston Supplies Total	\$0	1,749,905	\$0.000
Tennessee Production Path Total	\$24,259,283	20,358,508	\$1.192
New TGP Zone 6 Supplies Total	\$0	3,850,848	\$0.000
Niagara Path Total	\$1,563,265	1,203,752	\$1.299
Chicago Path Total	\$16,302,222	4,616,576	\$3.531
LNG Plant Total	\$1,011,018	294,886	\$3.429
PNGTS Path Total	\$2,656,210	426,555	\$6.227
W10 Path Total	\$159,574,739	16,668,508	\$9.573
Peaking Supply Total	\$135,000	61,898	\$2.181
Total System	\$208,283,178	54,059,526	\$3.853

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$1,732,393	4,828,091	\$0.359
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$7,299,216	20,358,508	\$0.359
New TGP Zone 6 Supplies Total	\$1,328,382	3,850,848	\$0.345
Niagara Path Total	\$423,079	1,203,752	\$0.351
Chicago Path Total	\$1,648,352	4,616,576	\$0.357
LNG Plant Total	\$0	0	
PNGTS Path Total	\$156,126	426,555	\$0.366
W10 Path Total	\$5,990,477	16,668,508	\$0.359
Peaking Supply Total	\$21,975	61,898	\$0.355
Total System	\$18,600,000	52,014,736	\$0.358

High Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,444,817	965,624	\$5.639
Tennessee Production Path Total	\$24,885,520	4,008,253	\$6.209
New Lewiston Supplies Total	\$5,232,222	842,047	\$6.214
Niagara Path Total	\$937,452	108,954	\$8.604
Chicago Path Total	\$7,437,059	784,162	\$9.484
PNGTS Path Total	\$1,579,681	160,448	\$9.845
LNG Plant Total	\$1,004,481	80,503	\$12.478
W10 Path Total	\$48,853,098	3,294,998	\$14.826
Peaking Supply Total	\$294,326	11,502	\$25.590
Total System	\$95,668,656	10,256,489	\$9.328

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,502,629	965,624	\$4.663
Tennessee Production Path Total	\$18,436,192	4,008,253	\$4.600
New Lewiston Supplies Total	\$5,232,222	842,047	\$6.214
Niagara Path Total	\$540,365	108,954	\$4.960
Chicago Path Total	\$3,700,259	784,162	\$4.719
PNGTS Path Total	\$984,494	160,448	\$6.136
LNG Plant Total	\$630,731	80,503	\$7.835
W10 Path Total	\$15,624,944	3,294,998	\$4.742
Peaking Supply Total	\$154,742	11,502	\$13.454
Total System	\$49,806,577	10,256,489	\$4.856

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	965,624	\$0.577
Tennessee Production Path Total	\$4,851,857	4,008,253	\$1.210
New Lewiston Supplies Total	\$0	842,047	\$0.000
Niagara Path Total	\$353,664	108,954	\$3.246
Chicago Path Total	\$3,424,276	784,162	\$4.367
PNGTS Path Total	\$531,242	160,448	\$3.311
LNG Plant Total	\$373,750	80,503	\$4.643
W10 Path Total	\$31,914,948	3,294,998	\$9.686
Peaking Supply Total	\$135,000	11,502	\$11.738
Total System	\$42,142,079	10,256,489	\$4.109

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$384,845	965,624	\$0.399
Tennessee Production Path Total	\$1,597,471	4,008,253	\$0.399
New Lewiston Supplies Total	\$0	0	
Niagara Path Total	\$43,423	108,954	\$0.399
Chicago Path Total	\$312,524	784,162	\$0.399
PNGTS Path Total	\$63,946	160,448	\$0.399
LNG Plant Total	\$0	0	
W10 Path Total	\$1,313,207	3,294,998	\$0.399
Peaking Supply Total	\$4,584	11,502	\$0.399
Total System	\$3,720,000	9,333,939	\$0.399

High Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,756,048	964,956	\$5.965
Tennessee Production Path Total	\$26,876,637	3,980,740	\$6.752
New TGP Zone 6 Supplies Total	\$2,578,704	369,778	\$6.974
New Lewiston Supplies Total	\$525,762	64,244	\$8.184
Niagara Path Total	\$1,013,725	117,054	\$8.660
Chicago Path Total	\$7,188,355	667,208	\$10.774
LNG Plant Total	\$577,217	51,309	\$11.250
W10 Path Total	\$53,903,949	4,219,869	\$12.774
Peaking Supply Total	\$117,615	8,118	\$14.488
PNGTS Path Total	\$724,517	22,989	\$31.516
Total System	\$99,262,529	10,466,264	\$9.484

Estimated Delivered City-Gate Commodity Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,851,904	964,956	\$5.028
Tennessee Production Path Total	\$20,594,120	3,980,740	\$5.173
New TGP Zone 6 Supplies Total	\$2,445,808	369,778	\$6.614
New Lewiston Supplies Total	\$525,762	64,244	\$8.184
Niagara Path Total	\$669,256	117,054	\$5.718
Chicago Path Total	\$3,602,620	667,208	\$5.400
LNG Plant Total	\$423,802	51,309	\$8.260
W10 Path Total	\$20,472,399	4,219,869	\$4.851
Peaking Supply Total	\$114,697	8,118	\$14.128
PNGTS Path Total	\$185,013	22,989	\$8.048
Total System	\$53,885,382	10,466,264	\$5.148

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	964,956	\$0.578
Tennessee Production Path Total	\$4,851,857	3,980,740	\$1.219
New TGP Zone 6 Supplies Total	\$0	369,778	\$0.000
New Lewiston Supplies Total	\$0	64,244	\$0.000
Niagara Path Total	\$302,400	117,054	\$2.583
Chicago Path Total	\$3,345,943	667,208	\$5.015
LNG Plant Total	\$153,415	51,309	\$2.990
W10 Path Total	\$31,914,948	4,219,869	\$7.563
Peaking Supply Total	\$0	8,118	\$0.000
PNGTS Path Total	\$531,242	22,989	\$23.109
Total System	\$41,657,147	10,466,264	\$3.980

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$346,801	964,956	\$0.359
Tennessee Production Path Total	\$1,430,661	3,980,740	\$0.359
New TGP Zone 6 Supplies Total	\$132,896	369,778	\$0.359
New Lewiston Supplies Total	\$0	0	
Niagara Path Total	\$42,069	117,054	\$0.359
Chicago Path Total	\$239,792	667,208	\$0.359
LNG Plant Total	\$0	0	
W10 Path Total	\$1,516,602	4,219,869	\$0.359
Peaking Supply Total	\$2,918	8,118	\$0.359
PNGTS Path Total	\$8,262	22,989	\$0.359
Total System	\$3,720,000	10,350,711	\$0.359

High Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,112,865	964,956	\$6.335
New Lewiston Supplies Total	\$1,543,745	227,454	\$6.787
New TGP Zone 6 Supplies Total	\$6,367,093	913,228	\$6.972
Tennessee Production Path Total	\$28,828,397	4,063,948	\$7.094
Niagara Path Total	\$2,359,587	319,787	\$7.379
Chicago Path Total	\$10,277,701	1,134,326	\$9.061
LNG Plant Total	\$569,767	49,015	\$11.624
PNGTS Path Total	\$1,059,783	74,303	\$14.263
Peaking Supply Total	\$98,562	6,618	\$14.893
W10 Path Total	\$52,937,133	2,996,493	\$17.666
Total System	\$110,154,632	10,750,128	\$10.247

Estimated Delivered City-Gate Commodity Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,214,549	964,956	\$5.404
New Lewiston Supplies Total	\$1,543,745	227,454	\$6.787
New TGP Zone 6 Supplies Total	\$6,042,735	913,228	\$6.617
Tennessee Production Path Total	\$22,533,121	4,063,948	\$5.545
Niagara Path Total	\$1,943,606	319,787	\$6.078
Chicago Path Total	\$6,580,160	1,134,326	\$5.801
LNG Plant Total	\$423,212	49,015	\$8.634
PNGTS Path Total	\$502,150	74,303	\$6.758
Peaking Supply Total	\$96,211	6,618	\$14.538
W10 Path Total	\$19,957,901	2,996,493	\$6.660
Total System	\$64,837,390	10,750,128	\$6.031

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
New Lewiston Supplies Total	\$0	227,454	\$0.000
New TGP Zone 6 Supplies Total	\$0	913,228	\$0.000
Tennessee Production Path Total	\$4,851,857	4,063,948	\$1.194
Niagara Path Total	\$302,400	319,787	\$0.946
Chicago Path Total	\$3,294,655	1,134,326	\$2.905
LNG Plant Total	\$146,555	49,015	\$2.990
PNGTS Path Total	\$531,242	74,303	\$7.150
Peaking Supply Total	\$0	6,618	\$0.000
W10 Path Total	\$31,914,948	2,996,493	\$10.651
Total System	\$41,597,242	10,750,128	\$3.869

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$342,730	964,956	\$0.355
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$324,358	913,228	\$0.355
Tennessee Production Path Total	\$1,443,420	4,063,948	\$0.355
Niagara Path Total	\$113,581	319,787	\$0.355
Chicago Path Total	\$402,886	1,134,326	\$0.355
LNG Plant Total	\$0	0	
PNGTS Path Total	\$26,391	74,303	\$0.355
Peaking Supply Total	\$2,351	6,618	\$0.355
W10 Path Total	\$1,064,284	2,996,493	\$0.355
Total System	\$3,720,000	10,473,659	\$0.355

High Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,376,789	964,956	\$6.608
New Lewiston Supplies Total	\$2,219,914	311,604	\$7.124
New TGP Zone 6 Supplies Total	\$7,313,346	1,001,407	\$7.303
Tennessee Production Path Total	\$30,280,061	4,120,307	\$7.349
Niagara Path Total	\$2,492,481	326,563	\$7.632
Chicago Path Total	\$10,753,839	1,159,256	\$9.277
LNG Plant Total	\$732,427	60,691	\$12.068
PNGTS Path Total	\$1,197,269	88,485	\$13.531
Peaking Supply Total	\$244,129	16,096	\$15.167
W10 Path Total	\$54,438,243	3,068,329	\$17.742
Total System	\$116,048,499	11,117,694	\$10.438

Estimated Delivered City-Gate Commodity Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,487,142	964,956	\$5.686
New Lewiston Supplies Total	\$2,219,914	311,604	\$7.124
New TGP Zone 6 Supplies Total	\$6,966,664	1,001,407	\$6.957
Tennessee Production Path Total	\$24,001,776	4,120,307	\$5.825
Niagara Path Total	\$2,077,027	326,563	\$6.360
Chicago Path Total	\$7,057,856	1,159,256	\$6.088
LNG Plant Total	\$550,961	60,691	\$9.078
PNGTS Path Total	\$635,394	88,485	\$7.181
Peaking Supply Total	\$238,556	16,096	\$14.821
W10 Path Total	\$21,461,056	3,068,329	\$6.994
Total System	\$70,696,346	11,117,694	\$6.359

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
New Lewiston Supplies Total	\$0	311,604	\$0.000
New TGP Zone 6 Supplies Total	\$0	1,001,407	\$0.000
Tennessee Production Path Total	\$4,851,857	4,120,307	\$1.178
Niagara Path Total	\$302,400	326,563	\$0.926
Chicago Path Total	\$3,294,655	1,159,256	\$2.842
LNG Plant Total	\$181,466	60,691	\$2.990
PNGTS Path Total	\$531,242	88,485	\$6.004
Peaking Supply Total	\$0	16,096	\$0.000
W10 Path Total	\$31,914,948	3,068,329	\$10.401
Total System	\$41,632,152	11,117,694	\$3.745

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$334,063	964,956	\$0.346
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$346,682	1,001,407	\$0.346
Tennessee Production Path Total	\$1,426,428	4,120,307	\$0.346
Niagara Path Total	\$113,054	326,563	\$0.346
Chicago Path Total	\$401,328	1,159,256	\$0.346
LNG Plant Total	\$0	0	
PNGTS Path Total	\$30,633	88,485	\$0.346
Peaking Supply Total	\$5,572	16,096	\$0.346
W10 Path Total	\$1,062,239	3,068,329	\$0.346
Total System	\$3,720,000	10,745,399	\$0.346

High Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,629,211	967,599	\$6.851
New Lewiston Supplies Total	\$2,229,122	304,556	\$7.319
New TGP Zone 6 Supplies Total	\$11,514,725	1,566,435	\$7.351
Tennessee Production Path Total	\$31,722,140	4,185,260	\$7.579
Niagara Path Total	\$2,604,156	331,395	\$7.858
Chicago Path Total	\$8,862,328	871,625	\$10.168
LNG Plant Total	\$650,254	53,368	\$12.184
PNGTS Path Total	\$1,155,016	80,331	\$14.378
Peaking Supply Total	\$301,589	19,564	\$15.415
W10 Path Total	\$55,410,894	3,088,820	\$17.939
Total System	\$121,079,435	11,468,952	\$10.557

Estimated Delivered City-Gate Commodity Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,749,671	967,599	\$5.942
New Lewiston Supplies Total	\$2,229,122	304,556	\$7.319
New TGP Zone 6 Supplies Total	\$10,990,279	1,566,435	\$7.016
Tennessee Production Path Total	\$25,469,048	4,185,260	\$6.085
Niagara Path Total	\$2,190,804	331,395	\$6.611
Chicago Path Total	\$5,627,813	871,625	\$6.457
LNG Plant Total	\$494,421	53,368	\$9.264
PNGTS Path Total	\$596,879	80,331	\$7.430
Peaking Supply Total	\$295,038	19,564	\$15.081
W10 Path Total	\$22,461,802	3,088,820	\$7.272
Total System	\$76,104,877	11,468,952	\$6.636

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	967,599	\$0.574
New Lewiston Supplies Total	\$0	304,556	\$0.000
New TGP Zone 6 Supplies Total	\$0	1,566,435	\$0.000
Tennessee Production Path Total	\$4,851,857	4,185,260	\$1.159
Niagara Path Total	\$302,400	331,395	\$0.913
Chicago Path Total	\$2,942,693	871,625	\$3.376
LNG Plant Total	\$155,833	53,368	\$2.920
PNGTS Path Total	\$531,242	80,331	\$6.613
Peaking Supply Total	\$0	19,564	\$0.000
W10 Path Total	\$31,914,948	3,088,820	\$10.332
Total System	\$41,254,557	11,468,952	\$3.597

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$323,955	967,599	\$0.335
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$524,446	1,566,435	\$0.335
Tennessee Production Path Total	\$1,401,235	4,185,260	\$0.335
Niagara Path Total	\$110,952	331,395	\$0.335
Chicago Path Total	\$291,822	871,625	\$0.335
LNG Plant Total	\$0	0	
PNGTS Path Total	\$26,895	80,331	\$0.335
Peaking Supply Total	\$6,550	19,564	\$0.335
W10 Path Total	\$1,034,145	3,088,820	\$0.335
Total System	\$3,720,000	11,111,028	\$0.335

Appendix VI-7(5). Low Case Design Total Costs

Low Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$30,303,137	4,830,066	\$6.274
New Lewiston Supplies Total	\$14,713,534	2,127,420	\$6.916
Tennessee Production Path Total	\$139,152,891	19,798,079	\$7.029
New TGP Zone 6 Supplies Total	\$30,117,658	4,064,306	\$7.410
Niagara Path Total	\$10,095,041	1,325,790	\$7.614
Chicago Path Total	\$45,781,280	4,866,947	\$9.407
LNG Plant Total	\$6,287,688	540,822	\$11.626
PNGTS Path Total	\$6,269,796	487,917	\$12.850
Peaking Supply Total	\$2,726,753	181,306	\$15.040
W10 Path Total	\$268,199,782	17,114,222	\$15.671
Total System	\$553,647,560	55,336,875	\$10.005

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$25,814,385	4,830,066	\$5.345
New Lewiston Supplies Total	\$14,713,534	2,127,420	\$6.916
Tennessee Production Path Total	\$107,896,118	19,798,079	\$5.450
New TGP Zone 6 Supplies Total	\$28,705,285	4,064,306	\$7.063
Niagara Path Total	\$8,065,080	1,325,790	\$6.083
Chicago Path Total	\$27,753,778	4,866,947	\$5.703
LNG Plant Total	\$4,674,368	540,822	\$8.643
PNGTS Path Total	\$3,439,564	487,917	\$7.049
Peaking Supply Total	\$2,525,024	181,306	\$13.927
W10 Path Total	\$102,573,313	17,114,222	\$5.993
Total System	\$326,160,449	55,336,875	\$5.894

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$2,781,442	4,830,066	\$0.576
New Lewiston Supplies Total	\$0	2,127,420	\$0.000
Tennessee Production Path Total	\$24,259,283	19,798,079	\$1.225
New TGP Zone 6 Supplies Total	\$0	4,064,306	\$0.000
Niagara Path Total	\$1,563,265	1,325,790	\$1.179
Chicago Path Total	\$16,303,852	4,866,947	\$3.350
LNG Plant Total	\$1,613,321	540,822	\$2.983
PNGTS Path Total	\$2,656,210	487,917	\$5.444
Peaking Supply Total	\$135,000	181,306	\$0.745
W10 Path Total	\$159,574,739	17,114,222	\$9.324
Total System	\$208,887,110	55,336,875	\$3.775

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$1,707,310	4,830,066	\$0.353
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$6,997,490	19,798,079	\$0.353
New TGP Zone 6 Supplies Total	\$1,412,373	4,064,306	\$0.348
Niagara Path Total	\$466,697	1,325,790	\$0.352
Chicago Path Total	\$1,723,650	4,866,947	\$0.354
LNG Plant Total	\$0	0	
PNGTS Path Total	\$174,022	487,917	\$0.357
Peaking Supply Total	\$66,729	181,306	\$0.368
W10 Path Total	\$6,051,730	17,114,222	\$0.354
Total System	\$18,600,000	52,668,633	\$0.353

Low Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,430,231	967,599	\$5.612
Tennessee Production Path Total	\$24,508,084	3,953,163	\$6.200
New Lewiston Supplies Total	\$5,225,919	840,763	\$6.216
Niagara Path Total	\$1,407,189	195,496	\$7.198
Chicago Path Total	\$8,867,106	1,060,666	\$8.360
PNGTS Path Total	\$1,562,292	157,907	\$9.894
LNG Plant Total	\$1,351,195	126,250	\$10.703
W10 Path Total	\$49,728,697	3,475,240	\$14.309
Peaking Supply Total	\$2,103,769	139,568	\$15.073
Total System	\$100,184,482	10,916,653	\$9.177

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,511,120	967,599	\$4.662
Tennessee Production Path Total	\$18,178,207	3,953,163	\$4.598
New Lewiston Supplies Total	\$5,225,919	840,763	\$6.216
Niagara Path Total	\$980,433	195,496	\$5.015
Chicago Path Total	\$5,046,265	1,060,666	\$4.758
PNGTS Path Total	\$972,011	157,907	\$6.156
LNG Plant Total	\$977,445	126,250	\$7.742
W10 Path Total	\$16,514,416	3,475,240	\$4.752
Peaking Supply Total	\$1,916,587	139,568	\$13.732
Total System	\$54,322,403	10,916,653	\$4.976

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	967,599	\$0.576
Tennessee Production Path Total	\$4,851,857	3,953,163	\$1.227
New Lewiston Supplies Total	\$0	840,763	\$0.000
Niagara Path Total	\$353,664	195,496	\$1.809
Chicago Path Total	\$3,424,276	1,060,666	\$3.228
PNGTS Path Total	\$531,242	157,907	\$3.364
LNG Plant Total	\$373,750	126,250	\$2.960
W10 Path Total	\$31,914,948	3,475,240	\$9.184
Peaking Supply Total	\$135,000	139,568	\$0.967
Total System	\$42,142,079	10,916,653	\$3.860

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$361,769	967,599	\$0.374
Tennessee Production Path Total	\$1,478,020	3,953,163	\$0.374
New Lewiston Supplies Total	\$0	0	
Niagara Path Total	\$73,092	195,496	\$0.374
Chicago Path Total	\$396,565	1,060,666	\$0.374
PNGTS Path Total	\$59,039	157,907	\$0.374
LNG Plant Total	\$0	0	
W10 Path Total	\$1,299,333	3,475,240	\$0.374
Peaking Supply Total	\$52,182	139,568	\$0.374
Total System	\$3,720,000	9,949,640	\$0.374

Low Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,746,249	964,956	\$5.955
Tennessee Production Path Total	\$26,519,111	3,922,434	\$6.761
New TGP Zone 6 Supplies Total	\$3,641,897	505,868	\$7.199
Niagara Path Total	\$1,201,249	148,097	\$8.111
New Lewiston Supplies Total	\$1,281,063	155,500	\$8.238
Chicago Path Total	\$7,582,310	735,257	\$10.312
LNG Plant Total	\$1,424,717	123,642	\$11.523
W10 Path Total	\$54,403,920	4,320,346	\$12.592
Peaking Supply Total	\$189,758	13,133	\$14.449
PNGTS Path Total	\$886,710	41,567	\$21.332
Total System	\$102,876,986	10,930,800	\$9.412

Estimated Delivered City-Gate Commodity Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,851,904	964,956	\$5.028
Tennessee Production Path Total	\$20,297,378	3,922,434	\$5.175
New TGP Zone 6 Supplies Total	\$3,465,227	505,868	\$6.850
Niagara Path Total	\$847,127	148,097	\$5.720
New Lewiston Supplies Total	\$1,281,063	155,500	\$8.238
Chicago Path Total	\$3,979,306	735,257	\$5.412
LNG Plant Total	\$1,051,290	123,642	\$8.503
W10 Path Total	\$20,980,129	4,320,346	\$4.856
Peaking Supply Total	\$185,172	13,133	\$14.100
PNGTS Path Total	\$340,952	41,567	\$8.202
Total System	\$57,279,547	10,930,800	\$5.240

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	964,956	\$0.578
Tennessee Production Path Total	\$4,851,857	3,922,434	\$1.237
New TGP Zone 6 Supplies Total	\$0	505,868	\$0.000
Niagara Path Total	\$302,400	148,097	\$2.042
New Lewiston Supplies Total	\$0	155,500	\$0.000
Chicago Path Total	\$3,346,222	735,257	\$4.551
LNG Plant Total	\$373,427	123,642	\$3.020
W10 Path Total	\$31,914,948	4,320,346	\$7.387
Peaking Supply Total	\$0	13,133	\$0.000
PNGTS Path Total	\$531,242	41,567	\$12.780
Total System	\$41,877,438	10,930,800	\$3.831

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$337,003	964,956	\$0.349
Tennessee Production Path Total	\$1,369,877	3,922,434	\$0.349
New TGP Zone 6 Supplies Total	\$176,670	505,868	\$0.349
Niagara Path Total	\$51,721	148,097	\$0.349
New Lewiston Supplies Total	\$0	0	
Chicago Path Total	\$256,782	735,257	\$0.349
LNG Plant Total	\$0	0	
W10 Path Total	\$1,508,844	4,320,346	\$0.349
Peaking Supply Total	\$4,586	13,133	\$0.349
PNGTS Path Total	\$14,517	41,567	\$0.349
Total System	\$3,720,000	10,651,658	\$0.349

Low Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,110,788	964,956	\$6.333
New Lewiston Supplies Total	\$2,672,931	382,751	\$6.983
Tennessee Production Path Total	\$28,126,792	3,945,187	\$7.129
New TGP Zone 6 Supplies Total	\$7,319,268	1,013,085	\$7.225
Niagara Path Total	\$2,400,686	326,563	\$7.351
Chicago Path Total	\$10,041,812	1,094,668	\$9.173
LNG Plant Total	\$1,119,908	94,905	\$11.800
PNGTS Path Total	\$1,272,080	99,228	\$12.820
Peaking Supply Total	\$130,986	8,804	\$14.878
W10 Path Total	\$53,606,243	3,085,020	\$17.376
Total System	\$112,801,495	11,015,166	\$10.241

Estimated Delivered City-Gate Commodity Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,214,549	964,956	\$5.404
New Lewiston Supplies Total	\$2,672,931	382,751	\$6.983
Tennessee Production Path Total	\$21,882,188	3,945,187	\$5.547
New TGP Zone 6 Supplies Total	\$6,961,624	1,013,085	\$6.872
Niagara Path Total	\$1,983,001	326,563	\$6.072
Chicago Path Total	\$6,360,262	1,094,668	\$5.810
LNG Plant Total	\$836,142	94,905	\$8.810
PNGTS Path Total	\$705,808	99,228	\$7.113
Peaking Supply Total	\$127,878	8,804	\$14.525
W10 Path Total	\$20,602,207	3,085,020	\$6.678
Total System	\$67,346,591	11,015,166	\$6.114

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
New Lewiston Supplies Total	\$0	382,751	\$0.000
Tennessee Production Path Total	\$4,851,857	3,945,187	\$1.230
New TGP Zone 6 Supplies Total	\$0	1,013,085	\$0.000
Niagara Path Total	\$302,400	326,563	\$0.926
Chicago Path Total	\$3,295,105	1,094,668	\$3.010
LNG Plant Total	\$283,766	94,905	\$2.990
PNGTS Path Total	\$531,242	99,228	\$5.354
Peaking Supply Total	\$0	8,804	\$0.000
W10 Path Total	\$31,914,948	3,085,020	\$10.345
Total System	\$41,734,903	11,015,166	\$3.789

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$340,653	964,956	\$0.353
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$1,392,748	3,945,187	\$0.353
New TGP Zone 6 Supplies Total	\$357,644	1,013,085	\$0.353
Niagara Path Total	\$115,285	326,563	\$0.353
Chicago Path Total	\$386,445	1,094,668	\$0.353
LNG Plant Total	\$0	0	
PNGTS Path Total	\$35,030	99,228	\$0.353
Peaking Supply Total	\$3,108	8,804	\$0.353
W10 Path Total	\$1,089,088	3,085,020	\$0.353
Total System	\$3,720,000	10,537,510	\$0.353

Low Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,379,552	964,956	\$6.611
New Lewiston Supplies Total	\$2,976,771	406,064	\$7.331
Tennessee Production Path Total	\$29,382,328	3,971,143	\$7.399
New TGP Zone 6 Supplies Total	\$7,799,414	1,038,384	\$7.511
Niagara Path Total	\$2,510,115	329,152	\$7.626
Chicago Path Total	\$10,440,456	1,107,749	\$9.425
LNG Plant Total	\$1,314,079	108,160	\$12.149
PNGTS Path Total	\$1,315,913	100,899	\$13.042
Peaking Supply Total	\$168,946	11,153	\$15.148
W10 Path Total	\$54,942,952	3,133,844	\$17.532
Total System	\$117,230,523	11,171,503	\$10.494

Estimated Delivered City-Gate Commodity Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,487,141	964,956	\$5.686
New Lewiston Supplies Total	\$2,976,771	406,064	\$7.331
Tennessee Production Path Total	\$23,144,315	3,971,143	\$5.828
New TGP Zone 6 Supplies Total	\$7,436,958	1,038,384	\$7.162
Niagara Path Total	\$2,092,822	329,152	\$6.358
Chicago Path Total	\$6,758,683	1,107,749	\$6.101
LNG Plant Total	\$990,680	108,160	\$9.159
PNGTS Path Total	\$749,452	100,899	\$7.428
Peaking Supply Total	\$165,053	11,153	\$14.799
W10 Path Total	\$21,934,113	3,133,844	\$6.999
Total System	\$71,735,988	11,171,503	\$6.421

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
New Lewiston Supplies Total	\$0	406,064	\$0.000
Tennessee Production Path Total	\$4,851,857	3,971,143	\$1.222
New TGP Zone 6 Supplies Total	\$0	1,038,384	\$0.000
Niagara Path Total	\$302,400	329,152	\$0.919
Chicago Path Total	\$3,295,105	1,107,749	\$2.975
LNG Plant Total	\$323,398	108,160	\$2.990
PNGTS Path Total	\$531,242	100,899	\$5.265
Peaking Supply Total	\$0	11,153	\$0.000
W10 Path Total	\$31,914,948	3,133,844	\$10.184
Total System	\$41,774,535	11,171,503	\$3.739

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$336,825	964,956	\$0.349
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$1,386,156	3,971,143	\$0.349
New TGP Zone 6 Supplies Total	\$362,455	1,038,384	\$0.349
Niagara Path Total	\$114,893	329,152	\$0.349
Chicago Path Total	\$386,668	1,107,749	\$0.349
LNG Plant Total	\$0	0	
PNGTS Path Total	\$35,219	100,899	\$0.349
Peaking Supply Total	\$3,893	11,153	\$0.349
W10 Path Total	\$1,093,891	3,133,844	\$0.349
Total System	\$3,720,000	10,657,279	\$0.349

Low Case Design Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,636,317	967,599	\$6.859
New Lewiston Supplies Total	\$2,556,850	342,343	\$7.469
New TGP Zone 6 Supplies Total	\$11,357,079	1,506,969	\$7.536
Tennessee Production Path Total	\$30,616,576	4,006,152	\$7.642
Niagara Path Total	\$2,575,803	326,482	\$7.890
Chicago Path Total	\$8,849,596	868,607	\$10.188
LNG Plant Total	\$1,077,789	87,865	\$12.266
PNGTS Path Total	\$1,232,801	88,317	\$13.959
Peaking Supply Total	\$133,294	8,648	\$15.413
W10 Path Total	\$55,517,970	3,099,771	\$17.910
Total System	\$120,554,074	11,302,754	\$10.666

Estimated Delivered City-Gate Commodity Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,749,671	967,599	\$5.942
New Lewiston Supplies Total	\$2,556,850	342,343	\$7.469
New TGP Zone 6 Supplies Total	\$10,841,475	1,506,969	\$7.194
Tennessee Production Path Total	\$24,394,030	4,006,152	\$6.089
Niagara Path Total	\$2,161,698	326,482	\$6.621
Chicago Path Total	\$5,609,262	868,607	\$6.458
LNG Plant Total	\$818,810	87,865	\$9.319
PNGTS Path Total	\$671,341	88,317	\$7.602
Peaking Supply Total	\$130,335	8,648	\$15.071
W10 Path Total	\$22,542,448	3,099,771	\$7.272
Total System	\$75,475,920	11,302,754	\$6.678

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	967,599	\$0.574
New Lewiston Supplies Total	\$0	342,343	\$0.000
New TGP Zone 6 Supplies Total	\$0	1,506,969	\$0.000
Tennessee Production Path Total	\$4,851,857	4,006,152	\$1.211
Niagara Path Total	\$302,400	326,482	\$0.926
Chicago Path Total	\$2,943,143	868,607	\$3.388
LNG Plant Total	\$258,979	87,865	\$2.947
PNGTS Path Total	\$531,242	88,317	\$6.015
Peaking Supply Total	\$0	8,648	\$0.000
W10 Path Total	\$31,914,948	3,099,771	\$10.296
Total System	\$41,358,154	11,302,754	\$3.659

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$331,060	967,599	\$0.342
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$515,604	1,506,969	\$0.342
Tennessee Production Path Total	\$1,370,689	4,006,152	\$0.342
Niagara Path Total	\$111,705	326,482	\$0.342
Chicago Path Total	\$297,191	868,607	\$0.342
LNG Plant Total	\$0	0	
PNGTS Path Total	\$30,217	88,317	\$0.342
Peaking Supply Total	\$2,959	8,648	\$0.342
W10 Path Total	\$1,060,575	3,099,771	\$0.342
Total System	\$3,720,000	10,872,546	\$0.342

Appendix VI-7(6). Low Case Normal Total Costs

Low Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$30,416,714	4,827,679	\$6.300
New Lewiston Supplies Total	\$8,638,494	1,314,542	\$6.571
Tennessee Production Path Total	\$139,214,367	19,719,440	\$7.060
New TGP Zone 6 Supplies Total	\$23,689,714	3,319,895	\$7.136
Niagara Path Total	\$9,085,783	1,144,767	\$7.937
Chicago Path Total	\$35,900,937	3,417,295	\$10.506
LNG Plant Total	\$2,690,084	224,106	\$12.004
PNGTS Path Total	\$5,031,492	337,261	\$14.919
W10 Path Total	\$263,612,260	16,332,356	\$16.140
Peaking Supply Total	\$342,861	14,524	\$23.607
Total System	\$518,622,707	50,651,865	\$10.239

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$25,804,127	4,827,679	\$5.345
New Lewiston Supplies Total	\$8,638,494	1,314,542	\$6.571
Tennessee Production Path Total	\$107,475,909	19,719,440	\$5.450
New TGP Zone 6 Supplies Total	\$22,459,681	3,319,895	\$6.765
Niagara Path Total	\$7,094,574	1,144,767	\$6.197
Chicago Path Total	\$19,530,374	3,417,295	\$5.715
LNG Plant Total	\$1,853,914	224,106	\$8.272
PNGTS Path Total	\$2,244,288	337,261	\$6.654
W10 Path Total	\$97,840,934	16,332,356	\$5.991
Peaking Supply Total	\$202,165	14,524	\$13.919
Total System	\$293,144,459	50,651,865	\$5.787

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$2,781,442	4,827,679	\$0.576
New Lewiston Supplies Total	\$0	1,314,542	\$0.000
Tennessee Production Path Total	\$24,259,283	19,719,440	\$1.230
New TGP Zone 6 Supplies Total	\$0	3,319,895	\$0.000
Niagara Path Total	\$1,563,265	1,144,767	\$1.366
Chicago Path Total	\$15,072,139	3,417,295	\$4.411
LNG Plant Total	\$836,171	224,106	\$3.731
PNGTS Path Total	\$2,656,210	337,261	\$7.876
W10 Path Total	\$159,574,739	16,332,356	\$9.770
Peaking Supply Total	\$135,000	14,524	\$9.295
Total System	\$206,878,248	50,651,865	\$4.084

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$1,831,146	4,827,679	\$0.379
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$7,479,175	19,719,440	\$0.379
New TGP Zone 6 Supplies Total	\$1,230,034	3,319,895	\$0.371
Niagara Path Total	\$427,944	1,144,767	\$0.374
Chicago Path Total	\$1,298,424	3,417,295	\$0.380
LNG Plant Total	\$0	0	
PNGTS Path Total	\$130,995	337,261	\$0.388
W10 Path Total	\$6,196,587	16,332,356	\$0.379
Peaking Supply Total	\$5,696	14,524	\$0.392
Total System	\$18,600,000	49,113,218	\$0.379

Low Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,452,980	965,213	\$5.650
New Lewiston Supplies Total	\$5,219,671	839,489	\$6.218
Tennessee Production Path Total	\$24,620,245	3,947,932	\$6.236
Chicago Path Total	\$7,235,581	743,866	\$9.727
Niagara Path Total	\$780,019	79,509	\$9.810
PNGTS Path Total	\$1,551,238	154,791	\$10.022
LNG Plant Total	\$906,187	68,200	\$13.287
W10 Path Total	\$48,356,347	3,196,348	\$15.129
Peaking Supply Total	\$240,415	7,604	\$31.617
Total System	\$94,362,683	10,002,951	\$9.433

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,500,861	965,213	\$4.663
New Lewiston Supplies Total	\$5,219,671	839,489	\$6.218
Tennessee Production Path Total	\$18,153,668	3,947,932	\$4.598
Chicago Path Total	\$3,507,061	743,866	\$4.715
Niagara Path Total	\$393,835	79,509	\$4.953
PNGTS Path Total	\$956,687	154,791	\$6.181
LNG Plant Total	\$532,437	68,200	\$7.807
W10 Path Total	\$15,134,079	3,196,348	\$4.735
Peaking Supply Total	\$102,305	7,604	\$13.454
Total System	\$48,500,604	10,002,951	\$4.849

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	965,213	\$0.577
New Lewiston Supplies Total	\$0	839,489	\$0.000
Tennessee Production Path Total	\$4,851,857	3,947,932	\$1.229
Chicago Path Total	\$3,424,276	743,866	\$4.603
Niagara Path Total	\$353,664	79,509	\$4.448
PNGTS Path Total	\$531,242	154,791	\$3.432
LNG Plant Total	\$373,750	68,200	\$5.480
W10 Path Total	\$31,914,948	3,196,348	\$9.985
Peaking Supply Total	\$135,000	7,604	\$17.754
Total System	\$42,142,079	10,002,951	\$4.213

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$394,776	965,213	\$0.409
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$1,614,721	3,947,932	\$0.409
Chicago Path Total	\$304,244	743,866	\$0.409
Niagara Path Total	\$32,520	79,509	\$0.409
PNGTS Path Total	\$63,310	154,791	\$0.409
LNG Plant Total	\$0	0	
W10 Path Total	\$1,307,320	3,196,348	\$0.409
Peaking Supply Total	\$3,110	7,604	\$0.409
Total System	\$3,720,000	9,095,262	\$0.409

Low Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,771,588	964,956	\$5.981
Tennessee Production Path Total	\$26,290,557	3,864,020	\$6.804
New TGP Zone 6 Supplies Total	\$2,386,385	340,503	\$7.008
New Lewiston Supplies Total	\$453,966	54,951	\$8.261
Niagara Path Total	\$977,834	110,872	\$8.820
LNG Plant Total	\$511,950	45,935	\$11.145
Chicago Path Total	\$5,742,283	450,104	\$12.758
W10 Path Total	\$53,608,881	4,154,518	\$12.904
Peaking Supply Total	\$55,451	3,823	\$14.504
PNGTS Path Total	\$682,846	17,989	\$37.960
Total System	\$96,481,741	10,007,670	\$9.641

Estimated Delivered City-Gate Commodity Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,851,904	964,956	\$5.028
Tennessee Production Path Total	\$19,987,760	3,864,020	\$5.173
New TGP Zone 6 Supplies Total	\$2,258,526	340,503	\$6.633
New Lewiston Supplies Total	\$453,966	54,951	\$8.261
Niagara Path Total	\$633,802	110,872	\$5.717
LNG Plant Total	\$374,605	45,935	\$8.155
Chicago Path Total	\$2,437,276	450,104	\$5.415
W10 Path Total	\$20,133,911	4,154,518	\$4.846
Peaking Supply Total	\$54,015	3,823	\$14.128
PNGTS Path Total	\$144,849	17,989	\$8.052
Total System	\$51,330,614	10,007,670	\$5.129

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	964,956	\$0.578
Tennessee Production Path Total	\$4,851,857	3,864,020	\$1.256
New TGP Zone 6 Supplies Total	\$0	340,503	\$0.000
New Lewiston Supplies Total	\$0	54,951	\$0.000
Niagara Path Total	\$302,400	110,872	\$2.727
LNG Plant Total	\$137,345	45,935	\$2.990
Chicago Path Total	\$3,135,993	450,104	\$6.967
W10 Path Total	\$31,914,948	4,154,518	\$7.682
Peaking Supply Total	\$0	3,823	\$0.000
PNGTS Path Total	\$531,242	17,989	\$29.532
Total System	\$41,431,127	10,007,670	\$4.140

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$362,341	964,956	\$0.376
Tennessee Production Path Total	\$1,450,940	3,864,020	\$0.376
New TGP Zone 6 Supplies Total	\$127,859	340,503	\$0.376
New Lewiston Supplies Total	\$0	0	
Niagara Path Total	\$41,632	110,872	\$0.376
LNG Plant Total	\$0	0	
Chicago Path Total	\$169,014	450,104	\$0.376
W10 Path Total	\$1,560,023	4,154,518	\$0.376
Peaking Supply Total	\$1,436	3,823	\$0.376
PNGTS Path Total	\$6,755	17,989	\$0.376
Total System	\$3,720,000	9,906,784	\$0.376

Low Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,132,518	964,956	\$6.355
New Lewiston Supplies Total	\$924,462	136,249	\$6.785
New TGP Zone 6 Supplies Total	\$5,854,942	849,195	\$6.895
Tennessee Production Path Total	\$28,183,958	3,939,785	\$7.154
Niagara Path Total	\$2,362,081	319,138	\$7.401
Chicago Path Total	\$7,894,477	797,306	\$9.901
LNG Plant Total	\$420,396	37,073	\$11.340
Peaking Supply Total	\$7,098	476	\$14.913
W10 Path Total	\$52,969,003	2,993,747	\$17.693
PNGTS Path Total	\$822,070	41,017	\$20.042
Total System	\$105,571,005	10,078,942	\$10.474

Estimated Delivered City-Gate Commodity Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,214,549	964,956	\$5.404
New Lewiston Supplies Total	\$924,462	136,249	\$6.785
New TGP Zone 6 Supplies Total	\$5,536,031	849,195	\$6.519
Tennessee Production Path Total	\$21,852,537	3,939,785	\$5.547
Niagara Path Total	\$1,939,831	319,138	\$6.078
Chicago Path Total	\$4,641,961	797,306	\$5.822
LNG Plant Total	\$309,547	37,073	\$8.350
Peaking Supply Total	\$6,919	476	\$14.538
W10 Path Total	\$19,929,770	2,993,747	\$6.657
PNGTS Path Total	\$275,424	41,017	\$6.715
Total System	\$60,631,032	10,078,942	\$6.016

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
New Lewiston Supplies Total	\$0	136,249	\$0.000
New TGP Zone 6 Supplies Total	\$0	849,195	\$0.000
Tennessee Production Path Total	\$4,851,857	3,939,785	\$1.232
Niagara Path Total	\$302,400	319,138	\$0.948
Chicago Path Total	\$2,953,092	797,306	\$3.704
LNG Plant Total	\$110,849	37,073	\$2.990
Peaking Supply Total	\$0	476	\$0.000
W10 Path Total	\$31,914,948	2,993,747	\$10.661
PNGTS Path Total	\$531,242	41,017	\$12.952
Total System	\$41,219,973	10,078,942	\$4.090

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$362,384	964,956	\$0.376
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$318,910	849,195	\$0.376
Tennessee Production Path Total	\$1,479,564	3,939,785	\$0.376
Niagara Path Total	\$119,850	319,138	\$0.376
Chicago Path Total	\$299,424	797,306	\$0.376
LNG Plant Total	\$0	0	
Peaking Supply Total	\$179	476	\$0.000
W10 Path Total	\$1,124,285	2,993,747	\$0.376
PNGTS Path Total	\$15,404	41,017	\$0.376
Total System	\$3,720,000	9,905,620	\$0.376

Low Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,401,230	964,956	\$6.634
New Lewiston Supplies Total	\$1,191,137	168,536	\$7.068
New TGP Zone 6 Supplies Total	\$6,389,376	886,684	\$7.206
Tennessee Production Path Total	\$29,441,349	3,966,214	\$7.423
Niagara Path Total	\$2,457,840	319,954	\$7.682
Chicago Path Total	\$8,190,170	807,143	\$10.147
LNG Plant Total	\$474,410	40,502	\$11.713
PNGTS Path Total	\$1,050,094	71,041	\$14.781
Peaking Supply Total	\$34,880	2,296	\$15.192
W10 Path Total	\$53,945,218	2,994,546	\$18.014
Total System	\$109,575,705	10,221,872	\$10.720

Estimated Delivered City-Gate Commodity Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,487,141	964,956	\$5.686
New Lewiston Supplies Total	\$1,191,137	168,536	\$7.068
New TGP Zone 6 Supplies Total	\$6,059,952	886,684	\$6.834
Tennessee Production Path Total	\$23,115,952	3,966,214	\$5.828
Niagara Path Total	\$2,036,570	319,954	\$6.365
Chicago Path Total	\$4,934,928	807,143	\$6.114
LNG Plant Total	\$353,308	40,502	\$8.723
PNGTS Path Total	\$492,459	71,041	\$6.932
Peaking Supply Total	\$34,027	2,296	\$14.821
W10 Path Total	\$20,917,727	2,994,546	\$6.985
Total System	\$64,623,202	10,221,872	\$6.322

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
New Lewiston Supplies Total	\$0	168,536	\$0.000
New TGP Zone 6 Supplies Total	\$0	886,684	\$0.000
Tennessee Production Path Total	\$4,851,857	3,966,214	\$1.223
Niagara Path Total	\$302,400	319,954	\$0.945
Chicago Path Total	\$2,955,370	807,143	\$3.662
LNG Plant Total	\$121,101	40,502	\$2.990
PNGTS Path Total	\$531,242	71,041	\$7.478
Peaking Supply Total	\$0	2,296	\$0.000
W10 Path Total	\$31,914,948	2,994,546	\$10.658
Total System	\$41,232,503	10,221,872	\$4.034

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$358,503	964,956	\$0.372
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$329,424	886,684	\$0.372
Tennessee Production Path Total	\$1,473,540	3,966,214	\$0.372
Niagara Path Total	\$118,870	319,954	\$0.372
Chicago Path Total	\$299,872	807,143	\$0.372
LNG Plant Total	\$0	0	
PNGTS Path Total	\$26,393	71,041	\$0.372
Peaking Supply Total	\$853	2,296	\$0.000
W10 Path Total	\$1,112,543	2,994,546	\$0.372
Total System	\$3,720,000	10,012,834	\$0.372

Low Case Normal Weather Scenario Estimated Delivered City-Gate Total Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,658,398	967,599	\$6.881
New TGP Zone 6 Supplies Total	\$9,059,012	1,243,514	\$7.285
New Lewiston Supplies Total	\$849,259	115,316	\$7.365
Tennessee Production Path Total	\$30,678,257	4,001,489	\$7.667
Niagara Path Total	\$2,508,009	315,295	\$7.954
Chicago Path Total	\$6,838,426	618,877	\$11.050
LNG Plant Total	\$377,142	32,396	\$11.642
Peaking Supply Total	\$5,017	325	\$15.446
PNGTS Path Total	\$925,244	52,424	\$17.649
W10 Path Total	\$54,732,810	2,993,196	\$18.286
Total System	\$112,631,573	10,340,430	\$10.892

Estimated Delivered City-Gate Commodity Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,749,671	967,599	\$5.942
New TGP Zone 6 Supplies Total	\$8,605,171	1,243,514	\$6.920
New Lewiston Supplies Total	\$849,259	115,316	\$7.365
Tennessee Production Path Total	\$24,365,991	4,001,489	\$6.089
Niagara Path Total	\$2,090,536	315,295	\$6.630
Chicago Path Total	\$4,009,148	618,877	\$6.478
LNG Plant Total	\$284,016	32,396	\$8.767
Peaking Supply Total	\$4,898	325	\$15.081
PNGTS Path Total	\$374,869	52,424	\$7.151
W10 Path Total	\$21,725,446	2,993,196	\$7.258
Total System	\$68,059,007	10,340,430	\$6.582

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	967,599	\$0.574
New TGP Zone 6 Supplies Total	\$0	1,243,514	\$0.000
New Lewiston Supplies Total	\$0	115,316	\$0.000
Tennessee Production Path Total	\$4,851,857	4,001,489	\$1.213
Niagara Path Total	\$302,400	315,295	\$0.959
Chicago Path Total	\$2,603,408	618,877	\$4.207
LNG Plant Total	\$93,126	32,396	\$2.875
Peaking Supply Total	\$0	325	\$0.000
PNGTS Path Total	\$531,242	52,424	\$10.134
W10 Path Total	\$31,914,948	2,993,196	\$10.662
Total System	\$40,852,566	10,340,430	\$3.951

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$353,141	967,599	\$0.365
New TGP Zone 6 Supplies Total	\$453,841	1,243,514	\$0.365
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$1,460,409	4,001,489	\$0.365
Niagara Path Total	\$115,072	315,295	\$0.365
Chicago Path Total	\$225,869	618,877	\$0.365
LNG Plant Total	\$0	0	
Peaking Supply Total	\$119	325	\$0.000
PNGTS Path Total	\$19,133	52,424	\$0.365
W10 Path Total	\$1,092,416	2,993,196	\$0.365
Total System	\$3,720,000	10,192,718	\$0.365

Appendix VI-7(7). Base Case Design with Cold Snap Total Costs

Base Case Design Weather Scenario with Cold Snap			
Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$30,251,747	4,830,066	\$6.263
New Lewiston Supplies Total	\$15,642,902	2,246,766	\$6.962
Tennessee Production Path Total	\$140,700,291	20,094,870	\$7.002
New TGP Zone 6 Supplies Total	\$31,495,258	4,282,247	\$7.355
Niagara Path Total	\$10,239,837	1,350,848	\$7.580
Chicago Path Total	\$48,798,856	5,254,947	\$9.286
LNG Plant Total	\$5,992,343	519,380	\$11.537
PNGTS Path Total	\$6,287,678	494,476	\$12.716
Peaking Supply Total	\$9,438,960	619,273	\$15.242
W10 Path Total	\$270,257,010	17,419,706	\$15.514
Total System	\$569,104,883	57,112,579	\$9.965

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$25,814,385	4,830,066	\$5.345
New Lewiston Supplies Total	\$15,642,902	2,246,766	\$6.962
Tennessee Production Path Total	\$109,554,236	20,094,870	\$5.452
New TGP Zone 6 Supplies Total	\$30,063,814	4,282,247	\$7.021
Niagara Path Total	\$8,216,930	1,350,848	\$6.083
Chicago Path Total	\$30,235,992	5,254,947	\$5.754
LNG Plant Total	\$4,439,398	519,380	\$8.547
PNGTS Path Total	\$3,460,187	494,476	\$6.998
Peaking Supply Total	\$9,006,954	619,273	\$14.544
W10 Path Total	\$104,704,508	17,419,706	\$6.011
Total System	\$341,139,306	57,112,579	\$5.973

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$2,781,442	4,830,066	\$0.576
New Lewiston Supplies Total	\$0	2,246,766	\$0.000
Tennessee Production Path Total	\$24,259,283	20,094,870	\$1.207
New TGP Zone 6 Supplies Total	\$0	4,282,247	\$0.000
Niagara Path Total	\$1,563,265	1,350,848	\$1.157
Chicago Path Total	\$16,760,320	5,254,947	\$3.189
LNG Plant Total	\$1,552,946	519,380	\$2.990
PNGTS Path Total	\$2,656,210	494,476	\$5.372
Peaking Supply Total	\$217,373	619,273	\$0.351
W10 Path Total	\$159,574,739	17,419,706	\$9.161
Total System	\$209,365,577	57,112,579	\$3.666

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$1,655,920	4,830,066	\$0.343
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$6,886,772	20,094,870	\$0.343
New TGP Zone 6 Supplies Total	\$1,431,445	4,282,247	\$0.334
Niagara Path Total	\$459,642	1,350,848	\$0.340
Chicago Path Total	\$1,802,544	5,254,947	\$0.343
LNG Plant Total	\$0	0	
PNGTS Path Total	\$171,281	494,476	\$0.346
Peaking Supply Total	\$214,633	619,273	\$0.347
W10 Path Total	\$5,977,763	17,419,706	\$0.343
Total System	\$18,600,000	54,346,433	\$0.342

Base Case Design Weather Scenario with Cold Snap			
Estimated Delivered City-Gate Total Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,425,742	967,599	\$5.607
Tennessee Production Path Total	\$24,640,543	3,983,007	\$6.186
New Lewiston Supplies Total	\$5,234,703	842,550	\$6.213
Niagara Path Total	\$1,379,103	190,810	\$7.228
Chicago Path Total	\$8,857,612	1,060,317	\$8.354
PNGTS Path Total	\$1,577,629	160,951	\$9.802
LNG Plant Total	\$1,348,248	126,250	\$10.679
W10 Path Total	\$49,912,211	3,512,516	\$14.210
Peaking Supply Total	\$2,957,869	199,460	\$14.829
Total System	\$101,333,660	11,043,462	\$9.176

Estimated Delivered City-Gate Commodity Costs and Volumes November 2011 through October 2012			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,511,120	967,599	\$4.662
Tennessee Production Path Total	\$18,317,988	3,983,007	\$4.599
New Lewiston Supplies Total	\$5,234,703	842,550	\$6.213
Niagara Path Total	\$954,984	190,810	\$5.005
Chicago Path Total	\$5,041,820	1,060,317	\$4.755
PNGTS Path Total	\$986,957	160,951	\$6.132
LNG Plant Total	\$974,498	126,250	\$7.719
W10 Path Total	\$16,700,291	3,512,516	\$4.755
Peaking Supply Total	\$2,749,220	199,460	\$13.783
Total System	\$55,471,581	11,043,462	\$5.023

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	967,599	\$0.576
Tennessee Production Path Total	\$4,851,857	3,983,007	\$1.218
New Lewiston Supplies Total	\$0	842,550	\$0.000
Niagara Path Total	\$353,664	190,810	\$1.853
Chicago Path Total	\$3,424,276	1,060,317	\$3.229
PNGTS Path Total	\$531,242	160,951	\$3.301
LNG Plant Total	\$373,750	126,250	\$2.960
W10 Path Total	\$31,914,948	3,512,516	\$9.086
Peaking Supply Total	\$135,000	199,460	\$0.677
Total System	\$42,142,079	11,043,462	\$3.816

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2011 through October 2012			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$357,279	967,599	\$0.369
Tennessee Production Path Total	\$1,470,698	3,983,007	\$0.369
New Lewiston Supplies Total	\$0	0	
Niagara Path Total	\$70,455	190,810	\$0.369
Chicago Path Total	\$391,515	1,060,317	\$0.369
PNGTS Path Total	\$59,430	160,951	\$0.369
LNG Plant Total	\$0	0	
W10 Path Total	\$1,296,973	3,512,516	\$0.369
Peaking Supply Total	\$73,649	199,460	\$0.369
Total System	\$3,720,000	10,074,662	\$0.369

Base Case Design Weather Scenario with Cold Snap			
Estimated Delivered City-Gate Total Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,738,258	964,956	\$5.947
Tennessee Production Path Total	\$26,685,121	3,958,783	\$6.741
New TGP Zone 6 Supplies Total	\$3,752,202	531,031	\$7.066
Niagara Path Total	\$1,261,122	158,239	\$7.970
New Lewiston Supplies Total	\$1,245,842	151,725	\$8.211
Chicago Path Total	\$8,148,375	817,196	\$9.971
LNG Plant Total	\$1,203,712	105,971	\$11.359
W10 Path Total	\$54,492,378	4,342,258	\$12.549
Peaking Supply Total	\$1,486,335	100,029	\$14.859
PNGTS Path Total	\$851,672	37,885	\$22.481
Total System	\$104,865,016	11,168,072	\$9.390

Estimated Delivered City-Gate Commodity Costs and Volumes November 2012 through October 2013			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$4,851,904	964,956	\$5.028
Tennessee Production Path Total	\$20,483,478	3,958,783	\$5.174
New TGP Zone 6 Supplies Total	\$3,571,142	531,031	\$6.725
Niagara Path Total	\$904,768	158,239	\$5.718
New Lewiston Supplies Total	\$1,245,842	151,725	\$8.211
Chicago Path Total	\$4,445,467	817,196	\$5.440
LNG Plant Total	\$883,864	105,971	\$8.341
W10 Path Total	\$21,096,894	4,342,258	\$4.859
Peaking Supply Total	\$1,436,807	100,029	\$14.364
PNGTS Path Total	\$307,513	37,885	\$8.117
Total System	\$59,227,680	11,168,072	\$5.303

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$557,343	964,956	\$0.578
Tennessee Production Path Total	\$4,851,857	3,958,783	\$1.226
New TGP Zone 6 Supplies Total	\$0	531,031	\$0.000
Niagara Path Total	\$302,400	158,239	\$1.911
New Lewiston Supplies Total	\$0	151,725	\$0.000
Chicago Path Total	\$3,424,276	817,196	\$4.190
LNG Plant Total	\$319,848	105,971	\$3.018
W10 Path Total	\$31,914,948	4,342,258	\$7.350
Peaking Supply Total	\$15,422	100,029	\$0.154
PNGTS Path Total	\$531,242	37,885	\$14.023
Total System	\$41,917,336	11,168,072	\$3.753

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2012 through October 2013			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$329,011	964,956	\$0.341
Tennessee Production Path Total	\$1,349,786	3,958,783	\$0.341
New TGP Zone 6 Supplies Total	\$181,060	531,031	\$0.341
Niagara Path Total	\$53,953	158,239	\$0.341
New Lewiston Supplies Total	\$0	0	
Chicago Path Total	\$278,631	817,196	\$0.341
LNG Plant Total	\$0	0	
W10 Path Total	\$1,480,536	4,342,258	\$0.341
Peaking Supply Total	\$34,106	100,029	\$0.341
PNGTS Path Total	\$12,917	37,885	\$0.341
Total System	\$3,720,000	10,910,376	\$0.341

Base Case Design Weather Scenario with Cold Snap Estimated Delivered City-Gate Total Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,100,426	964,956	\$6.322
New Lewiston Supplies Total	\$2,891,685	411,674	\$7.024
Tennessee Production Path Total	\$28,443,759	4,006,895	\$7.099
New TGP Zone 6 Supplies Total	\$7,432,819	1,036,455	\$7.171
Niagara Path Total	\$2,434,717	332,659	\$7.319
Chicago Path Total	\$10,867,833	1,201,998	\$9.041
LNG Plant Total	\$999,845	86,165	\$11.604
PNGTS Path Total	\$1,245,157	96,705	\$12.876
Peaking Supply Total	\$1,484,507	97,299	\$15.257
W10 Path Total	\$53,905,054	3,131,134	\$17.216
Total System	\$115,805,802	11,365,940	\$10.189

Estimated Delivered City-Gate Commodity Costs and Volumes November 2013 through October 2014			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,214,549	964,956	\$5.404
New Lewiston Supplies Total	\$2,891,685	411,674	\$7.024
Tennessee Production Path Total	\$22,220,398	4,006,895	\$5.546
New TGP Zone 6 Supplies Total	\$7,078,054	1,036,455	\$6.829
Niagara Path Total	\$2,018,452	332,659	\$6.068
Chicago Path Total	\$7,035,163	1,201,998	\$5.853
LNG Plant Total	\$745,208	86,165	\$8.649
PNGTS Path Total	\$680,814	96,705	\$7.040
Peaking Supply Total	\$1,436,910	97,299	\$14.768
W10 Path Total	\$20,918,363	3,131,134	\$6.681
Total System	\$70,239,597	11,365,940	\$6.180

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
New Lewiston Supplies Total	\$0	411,674	\$0.000
Tennessee Production Path Total	\$4,851,857	4,006,895	\$1.211
New TGP Zone 6 Supplies Total	\$0	1,036,455	\$0.000
Niagara Path Total	\$302,400	332,659	\$0.909
Chicago Path Total	\$3,421,243	1,201,998	\$2.846
LNG Plant Total	\$254,637	86,165	\$2.955
PNGTS Path Total	\$531,242	96,705	\$5.493
Peaking Supply Total	\$14,292	97,299	\$0.147
W10 Path Total	\$31,914,948	3,131,134	\$10.193
Total System	\$41,846,205	11,365,940	\$3.682

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2013 through October 2014			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$330,291	964,956	\$0.342
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$1,371,505	4,006,895	\$0.342
New TGP Zone 6 Supplies Total	\$354,764	1,036,455	\$0.342
Niagara Path Total	\$113,864	332,659	\$0.342
Chicago Path Total	\$411,427	1,201,998	\$0.342
LNG Plant Total	\$0	0	
PNGTS Path Total	\$33,101	96,705	\$0.342
Peaking Supply Total	\$33,304	97,299	\$0.342
W10 Path Total	\$1,071,744	3,131,134	\$0.342
Total System	\$3,720,000	10,868,101	\$0.342

Base Case Design Weather Scenario with Cold Snap			
Estimated Delivered City-Gate Total Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,366,486	964,956	\$6.598
Tennessee Production Path Total	\$29,798,325	4,048,360	\$7.361
New Lewiston Supplies Total	\$3,243,402	440,629	\$7.361
New TGP Zone 6 Supplies Total	\$8,137,355	1,089,692	\$7.468
Niagara Path Total	\$2,538,450	334,230	\$7.595
Chicago Path Total	\$11,344,249	1,223,001	\$9.276
LNG Plant Total	\$1,367,407	112,982	\$12.103
PNGTS Path Total	\$1,311,679	101,509	\$12.922
Peaking Supply Total	\$1,686,399	107,920	\$15.626
W10 Path Total	\$55,549,136	3,217,697	\$17.264
Total System	\$121,342,888	11,640,977	\$10.424

Estimated Delivered City-Gate Commodity Costs and Volumes November 2014 through October 2015			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,487,141	964,956	\$5.686
Tennessee Production Path Total	\$23,588,174	4,048,360	\$5.827
New Lewiston Supplies Total	\$3,243,402	440,629	\$7.361
New TGP Zone 6 Supplies Total	\$7,771,745	1,089,692	\$7.132
Niagara Path Total	\$2,123,910	334,230	\$6.355
Chicago Path Total	\$7,512,668	1,223,001	\$6.143
LNG Plant Total	\$1,025,852	112,982	\$9.080
PNGTS Path Total	\$746,379	101,509	\$7.353
Peaking Supply Total	\$1,626,481	107,920	\$15.071
W10 Path Total	\$22,554,596	3,217,697	\$7.010
Total System	\$75,680,350	11,640,977	\$6.501

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	964,956	\$0.576
Tennessee Production Path Total	\$4,851,857	4,048,360	\$1.198
New Lewiston Supplies Total	\$0	440,629	\$0.000
New TGP Zone 6 Supplies Total	\$0	1,089,692	\$0.000
Niagara Path Total	\$302,400	334,230	\$0.905
Chicago Path Total	\$3,421,243	1,223,001	\$2.797
LNG Plant Total	\$341,554	112,982	\$3.023
PNGTS Path Total	\$531,242	101,509	\$5.233
Peaking Supply Total	\$23,709	107,920	\$0.220
W10 Path Total	\$31,914,948	3,217,697	\$9.919
Total System	\$41,942,539	11,640,977	\$3.603

Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2014 through October 2015			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$323,759	964,956	\$0.336
Tennessee Production Path Total	\$1,358,294	4,048,360	\$0.336
New Lewiston Supplies Total	\$0	0	
New TGP Zone 6 Supplies Total	\$365,610	1,089,692	\$0.336
Niagara Path Total	\$112,140	334,230	\$0.336
Chicago Path Total	\$410,338	1,223,001	\$0.336
LNG Plant Total	\$0	0	
PNGTS Path Total	\$34,058	101,509	\$0.336
Peaking Supply Total	\$36,209	107,920	\$0.336
W10 Path Total	\$1,079,592	3,217,697	\$0.336
Total System	\$3,720,000	11,087,365	\$0.336

Base Case Design Weather Scenario with Cold Snap			
Estimated Delivered City-Gate Total Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Total Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$6,620,835	967,599	\$6.843
New TGP Zone 6 Supplies Total	\$12,172,882	1,625,068	\$7.491
New Lewiston Supplies Total	\$3,027,270	400,187	\$7.565
Tennessee Production Path Total	\$31,132,544	4,097,825	\$7.597
Niagara Path Total	\$2,626,445	334,910	\$7.842
Chicago Path Total	\$9,580,788	952,435	\$10.059
LNG Plant Total	\$1,073,131	88,012	\$12.193
PNGTS Path Total	\$1,301,541	97,426	\$13.359
Peaking Supply Total	\$1,823,849	114,565	\$15.920
W10 Path Total	\$56,398,231	3,216,100	\$17.536
Total System	\$125,757,517	11,894,128	\$10.573

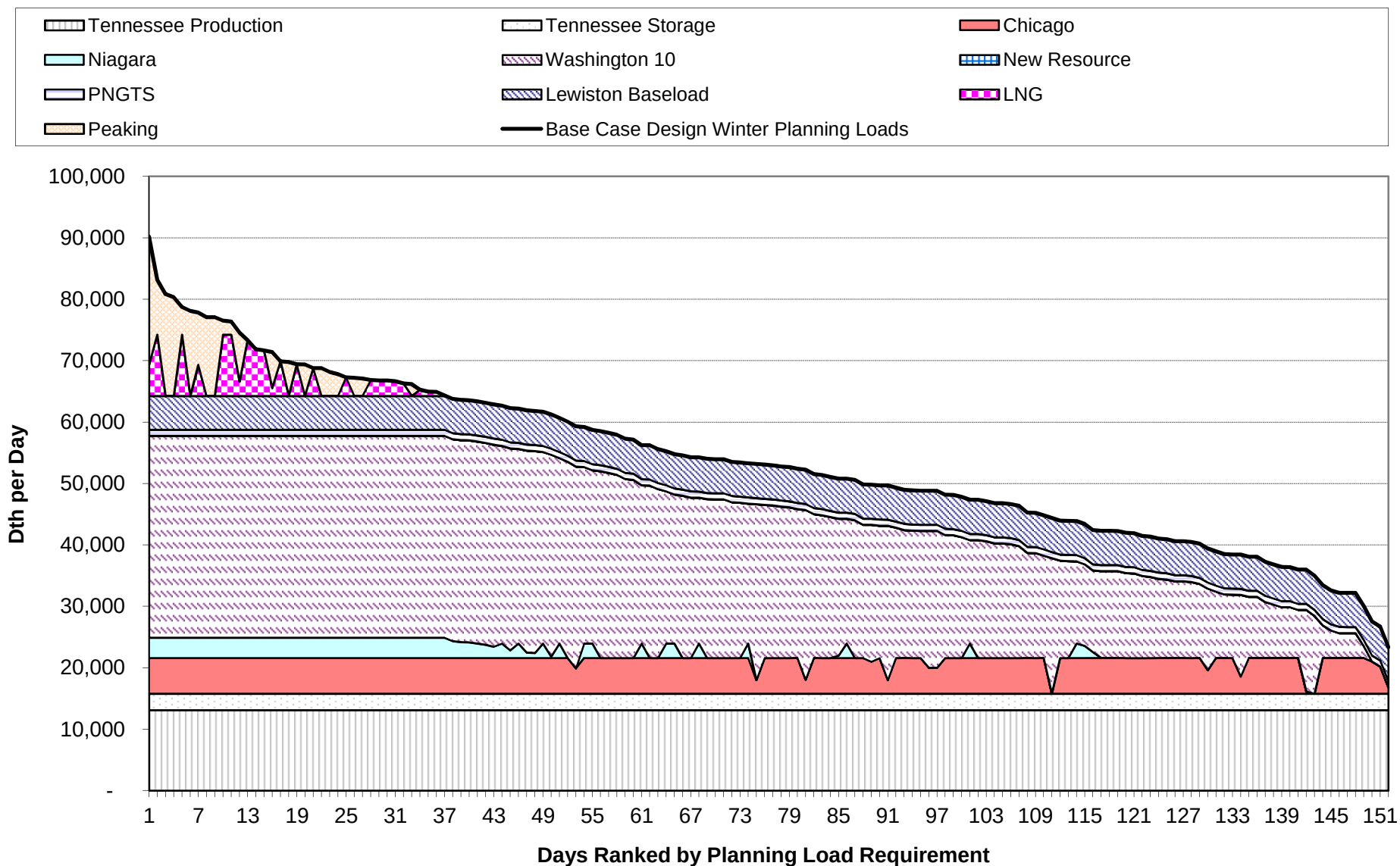
Estimated Delivered City-Gate Commodity Costs and Volumes November 2015 through October 2016			
Supply Source	Delivered City-Gate Commodity Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$5,749,671	967,599	\$5.942
New TGP Zone 6 Supplies Total	\$11,642,872	1,625,068	\$7.165
New Lewiston Supplies Total	\$3,027,270	400,187	\$7.565
Tennessee Production Path Total	\$24,944,198	4,097,825	\$6.087
Niagara Path Total	\$2,214,815	334,910	\$6.613
Chicago Path Total	\$6,200,874	952,435	\$6.511
LNG Plant Total	\$809,975	88,012	\$9.203
PNGTS Path Total	\$738,524	97,426	\$7.580
Peaking Supply Total	\$1,757,535	114,565	\$15.341
W10 Path Total	\$23,434,364	3,216,100	\$7.287
Total System	\$80,520,098	11,894,128	\$6.770

Estimated Delivered City-Gate Non-Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Non-Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$555,585	967,599	\$0.574
New TGP Zone 6 Supplies Total	\$0	1,625,068	\$0.000
New Lewiston Supplies Total	\$0	400,187	\$0.000
Tennessee Production Path Total	\$4,851,857	4,097,825	\$1.184
Niagara Path Total	\$302,400	334,910	\$0.903
Chicago Path Total	\$3,069,281	952,435	\$3.223
LNG Plant Total	\$263,156	88,012	\$2.990
PNGTS Path Total	\$531,242	97,426	\$5.453
Peaking Supply Total	\$28,949	114,565	\$0.253
W10 Path Total	\$31,914,948	3,216,100	\$9.923
Total System	\$41,517,418	11,894,128	\$3.491

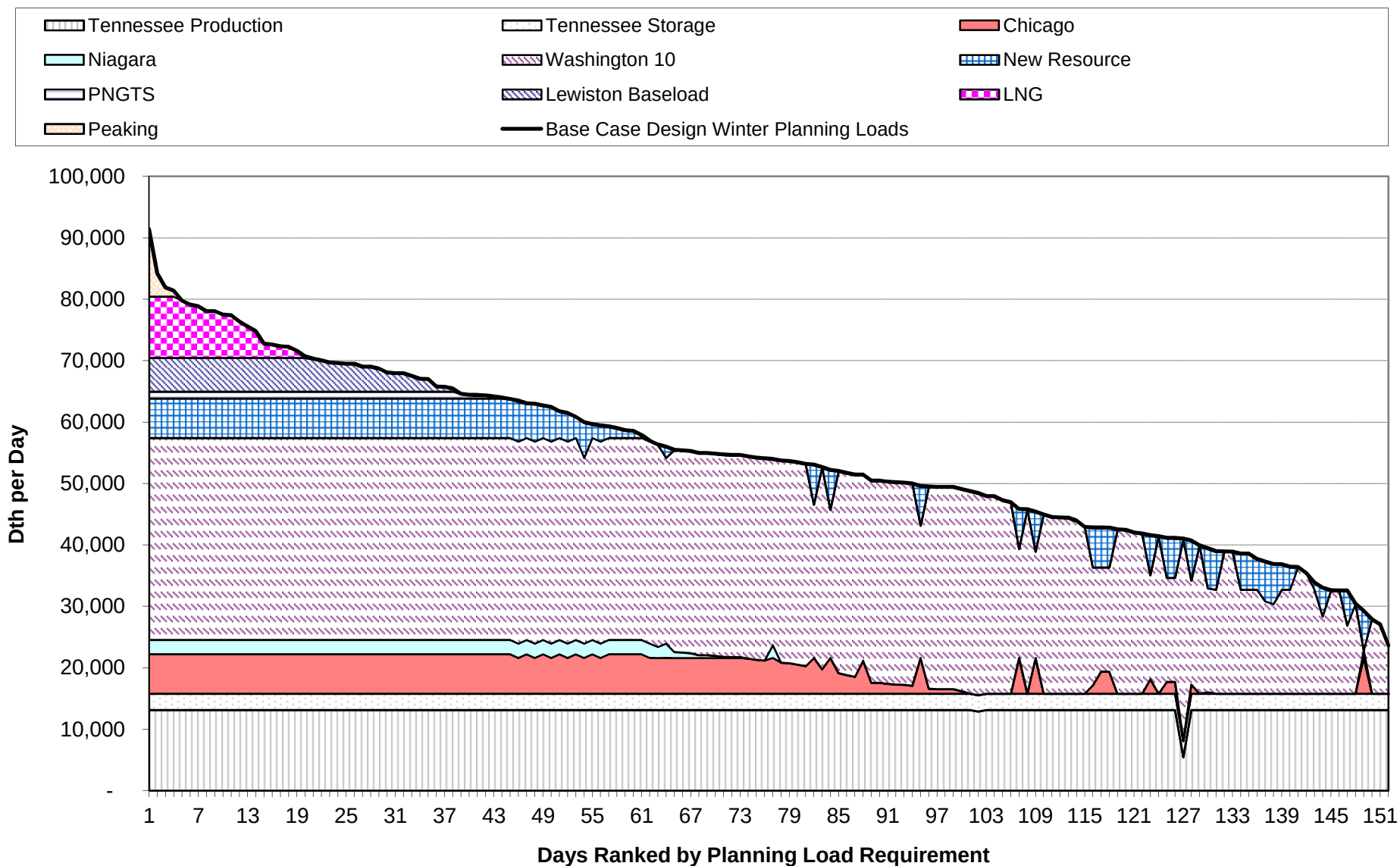
Estimated Delivered City-Gate Granite Demand Costs and Volumes November 2015 through October 2016			
Supply Source	Granite Demand Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tennessee Storage Path Total	\$315,579	967,599	\$0.326
New TGP Zone 6 Supplies Total	\$530,010	1,625,068	\$0.326
New Lewiston Supplies Total	\$0	0	
Tennessee Production Path Total	\$1,336,490	4,097,825	\$0.326
Niagara Path Total	\$109,230	334,910	\$0.326
Chicago Path Total	\$310,633	952,435	\$0.326
LNG Plant Total	\$0	0	
PNGTS Path Total	\$31,775	97,426	\$0.326
Peaking Supply Total	\$37,365	114,565	\$0.326
W10 Path Total	\$1,048,919	3,216,100	\$0.326
Total System	\$3,720,000	11,405,930	\$0.326

Appendix VI-8(1). Base Case Design Load Duration Curve

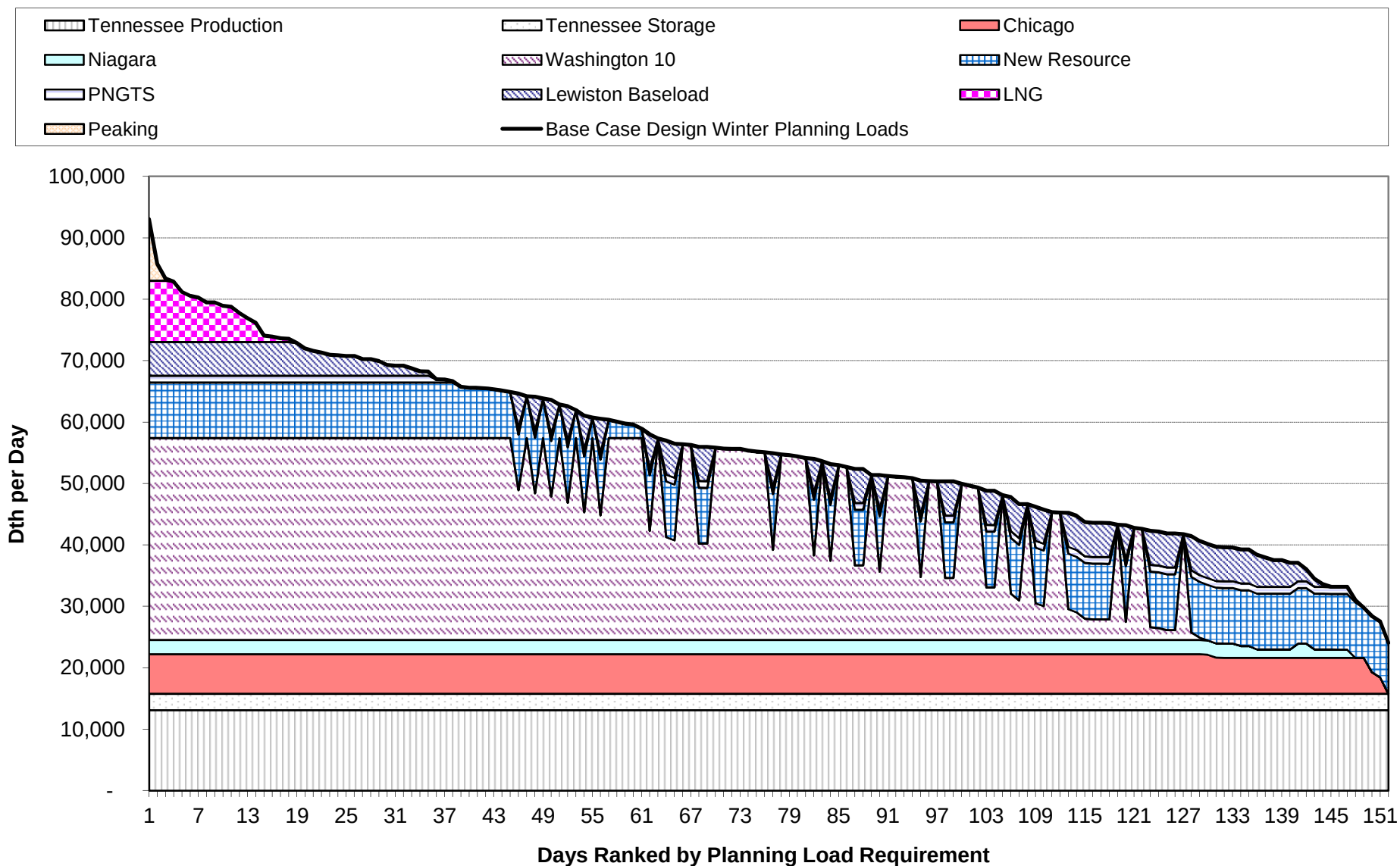
2011-2012 Load Duration Curve BASE CASE - DESIGN WEATHER (Based on Projected Takes)



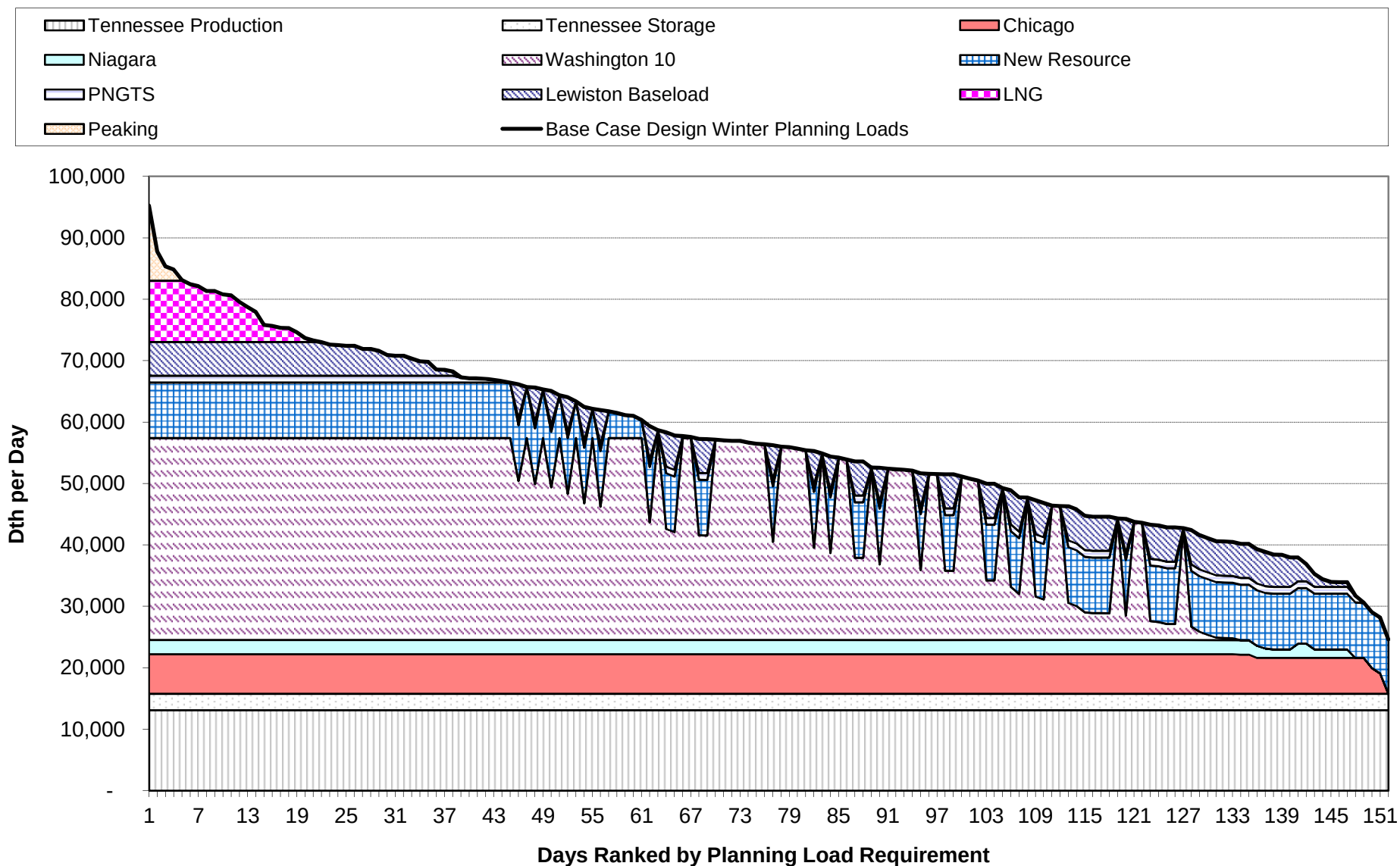
2012-2013 Load Duration Curve BASE CASE - DESIGN WEATHER (Based on Projected Takes)



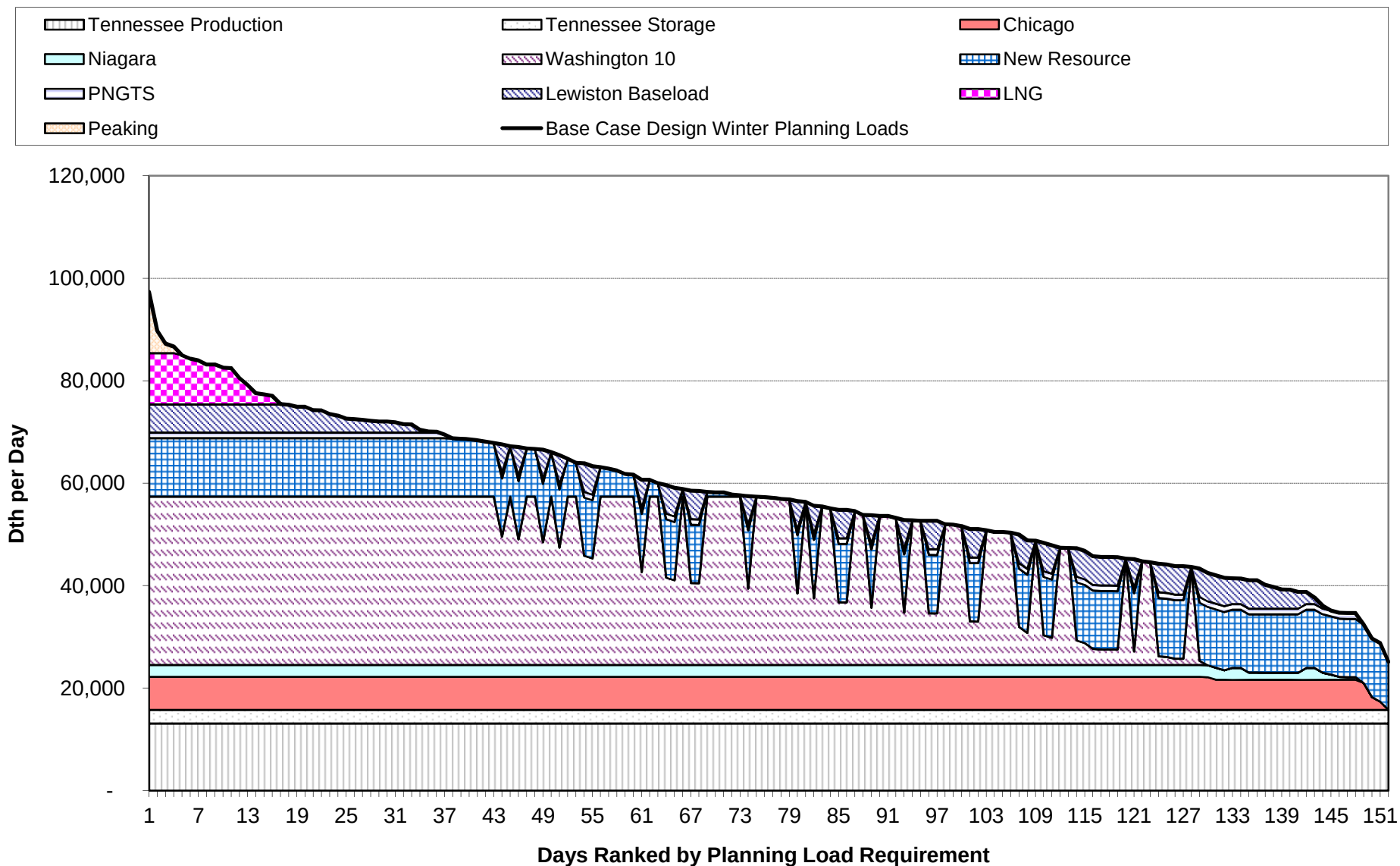
**2013-2014 Load Duration Curve
BASE CASE - DESIGN WEATHER
(Based on Projected Takes)**



2014-2015 Load Duration Curve BASE CASE - DESIGN WEATHER (Based on Projected Takes)

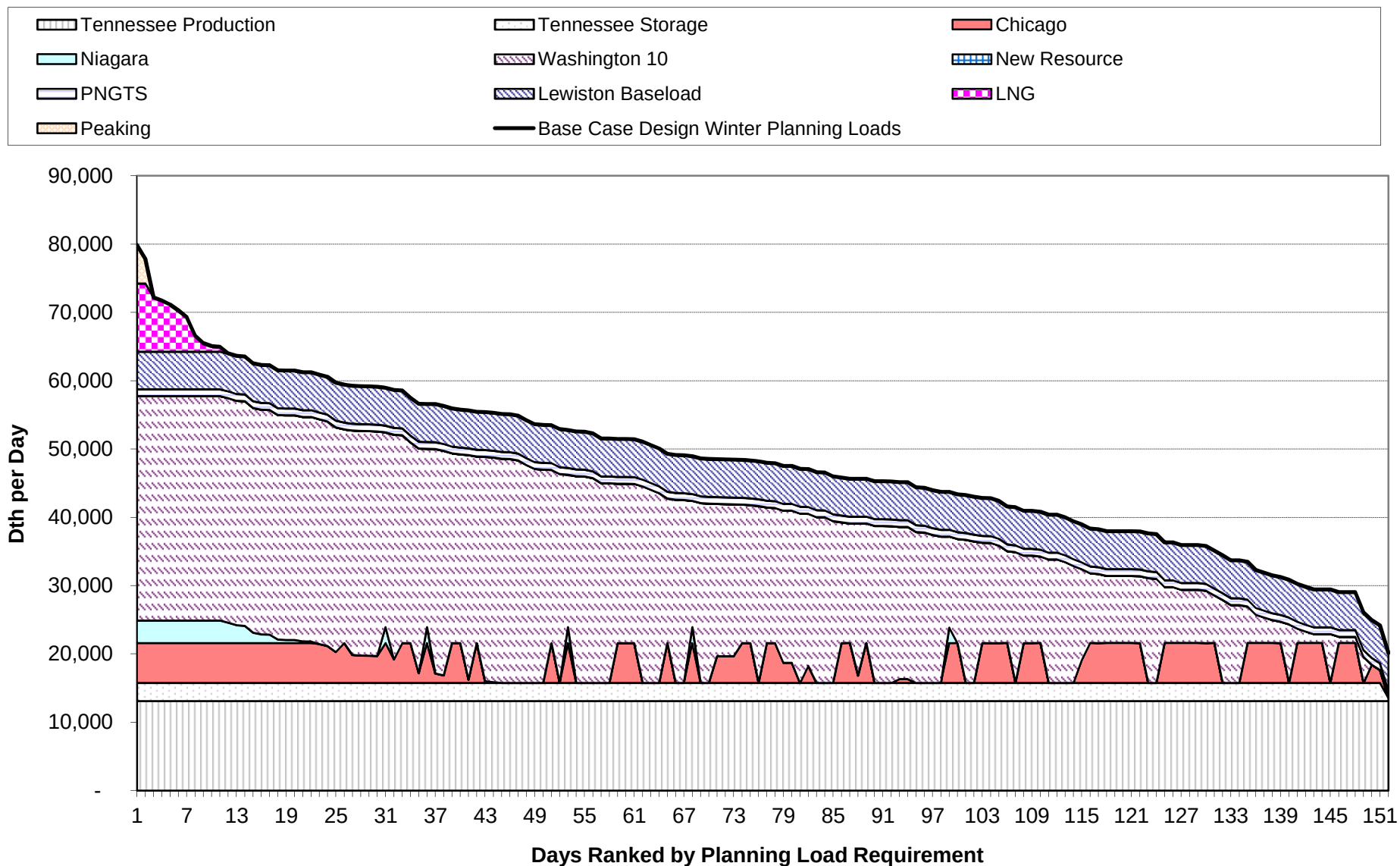


2015-2016 Load Duration Curve BASE CASE - DESIGN WEATHER (Based on Projected Takes)

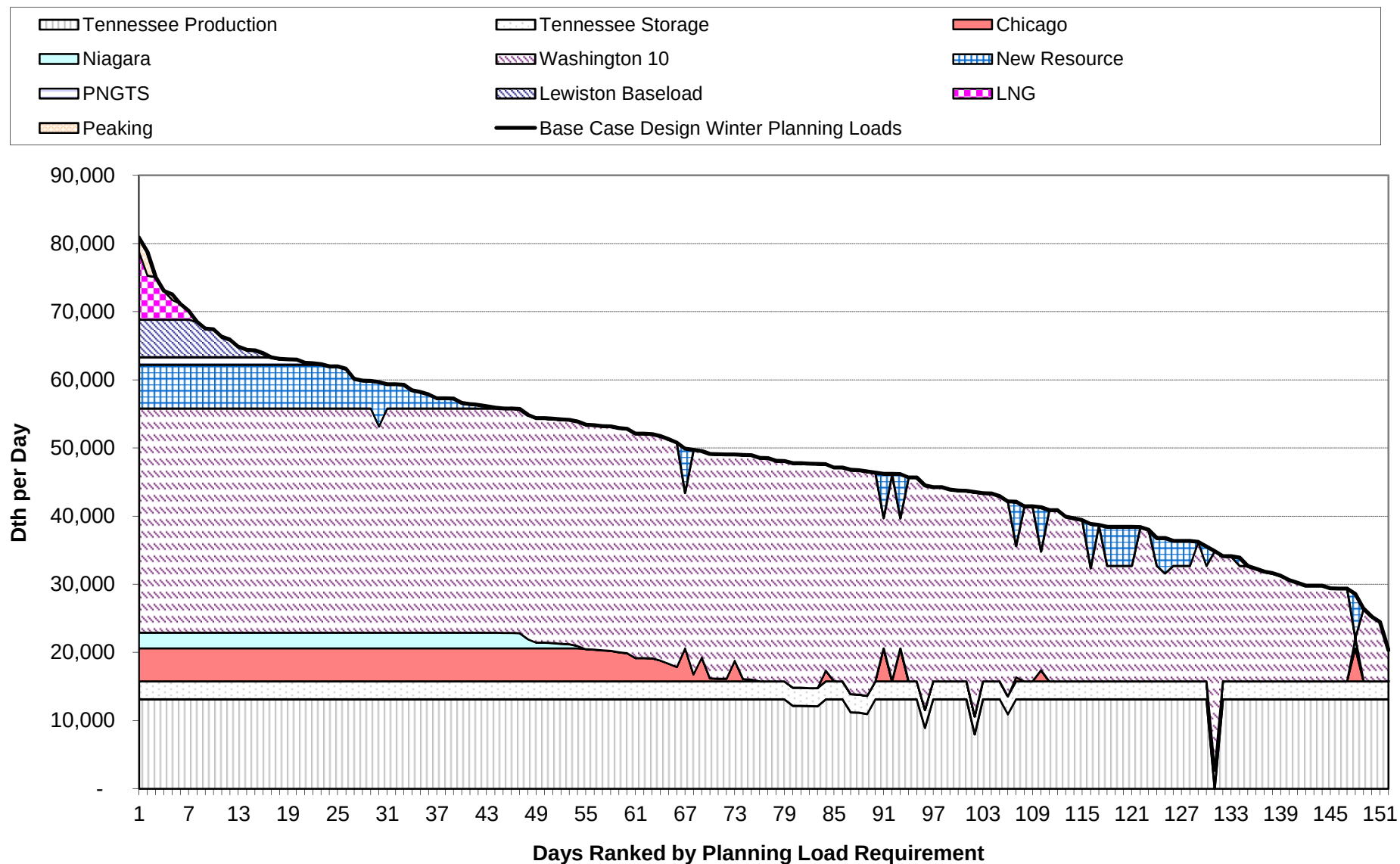


Appendix VI-8(2). Base Case Normal Load Duration Curve

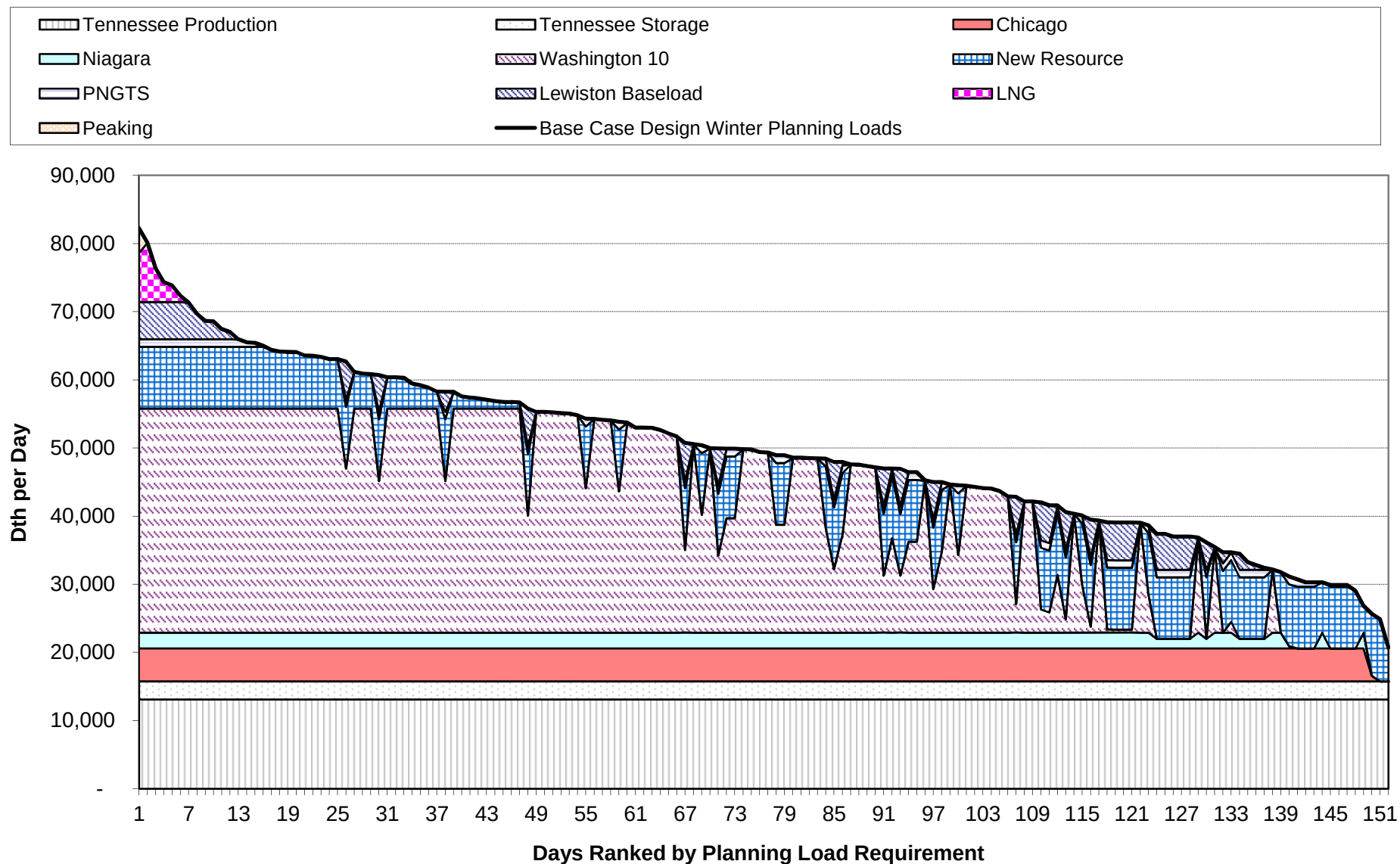
2011-2012 Load Duration Curve BASE CASE - NORMAL WEATHER (Based on Projected Takes)



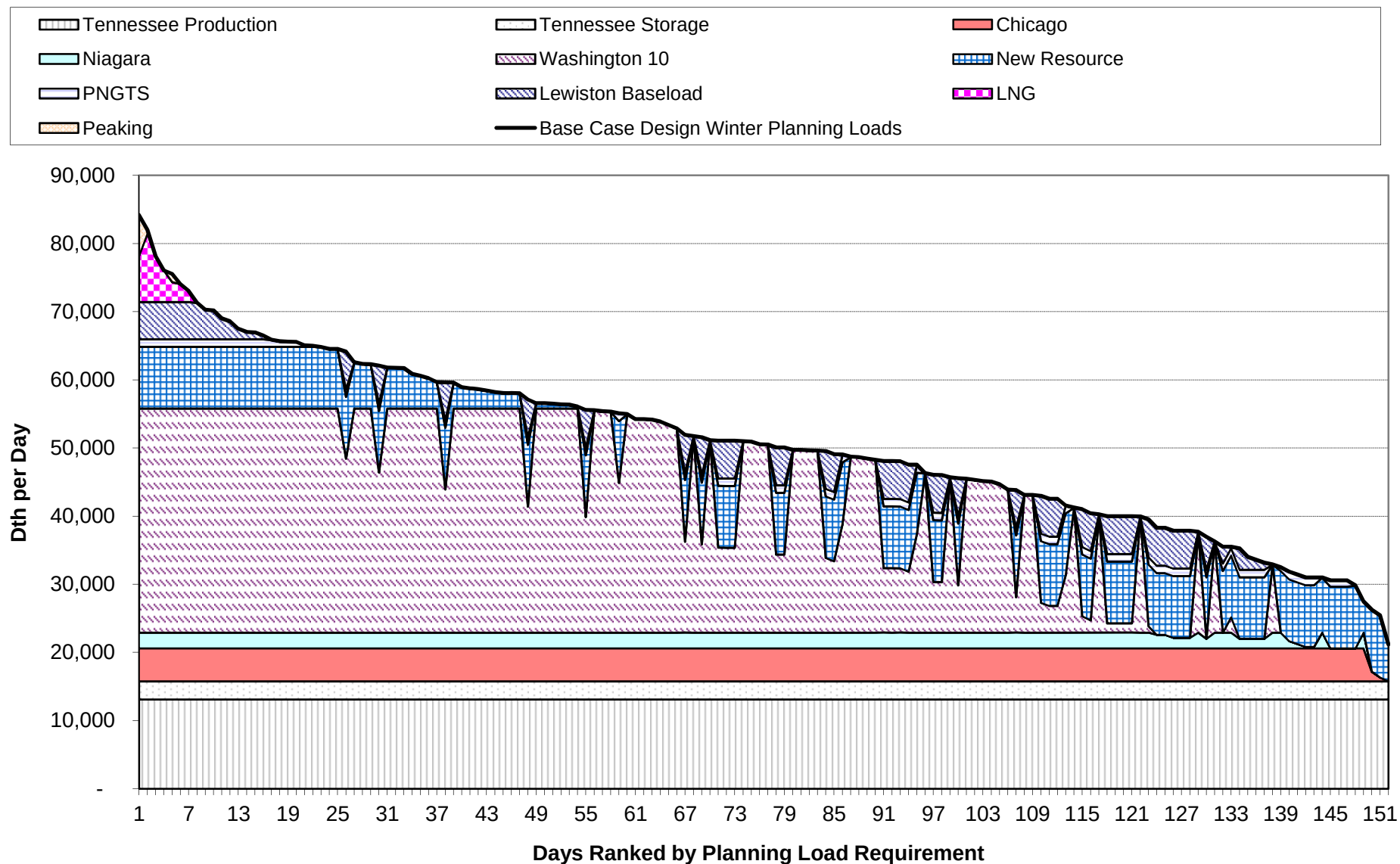
2012-2013 Load Duration Curve BASE CASE - NORMAL WEATHER (Based on Projected Takes)



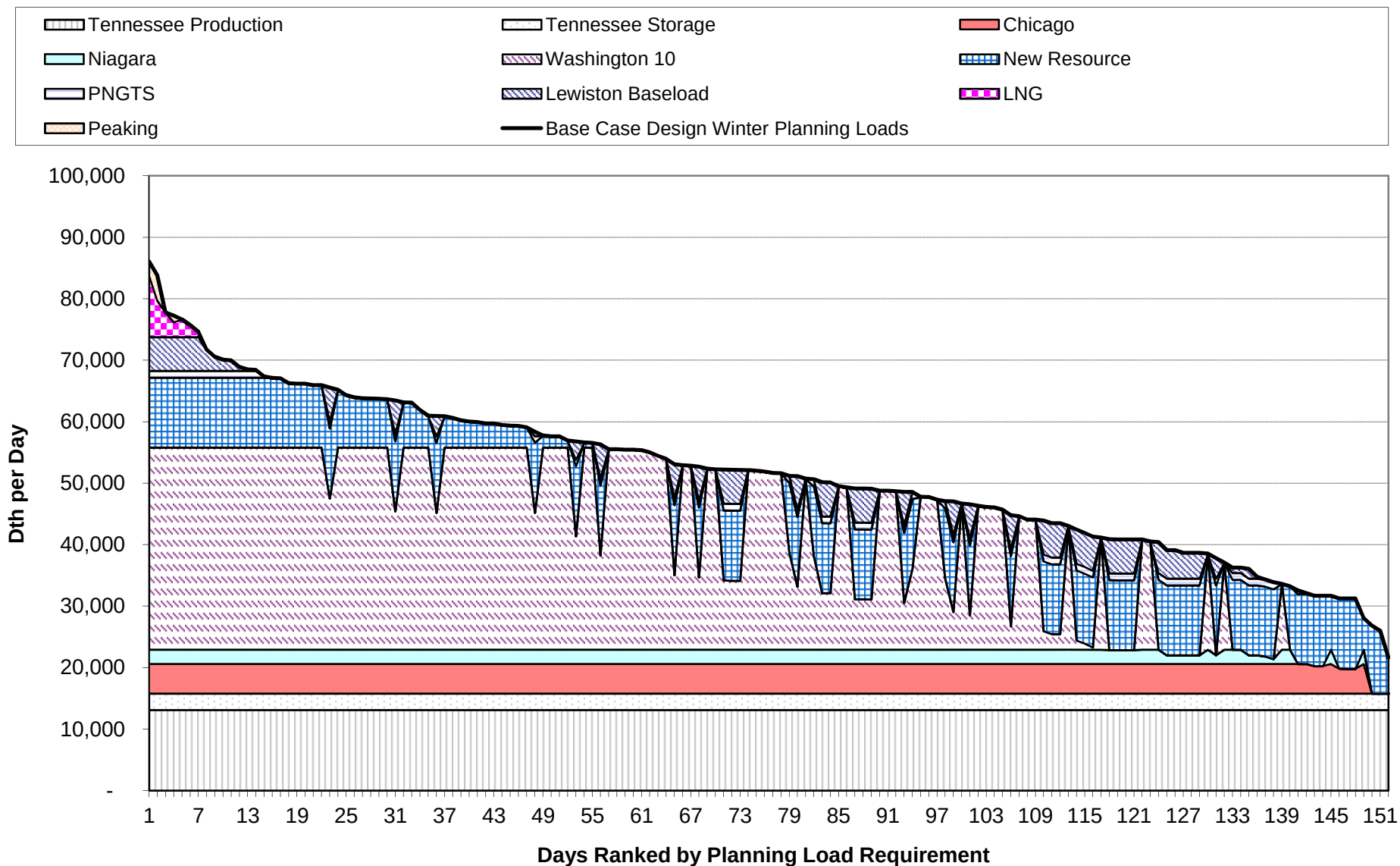
2013-2014 Load Duration Curve BASE CASE - NORMAL WEATHER (Based on Projected Takes)



**2014-2015 Load Duration Curve
BASE CASE - NORMAL WEATHER
(Based on Projected Takes)**

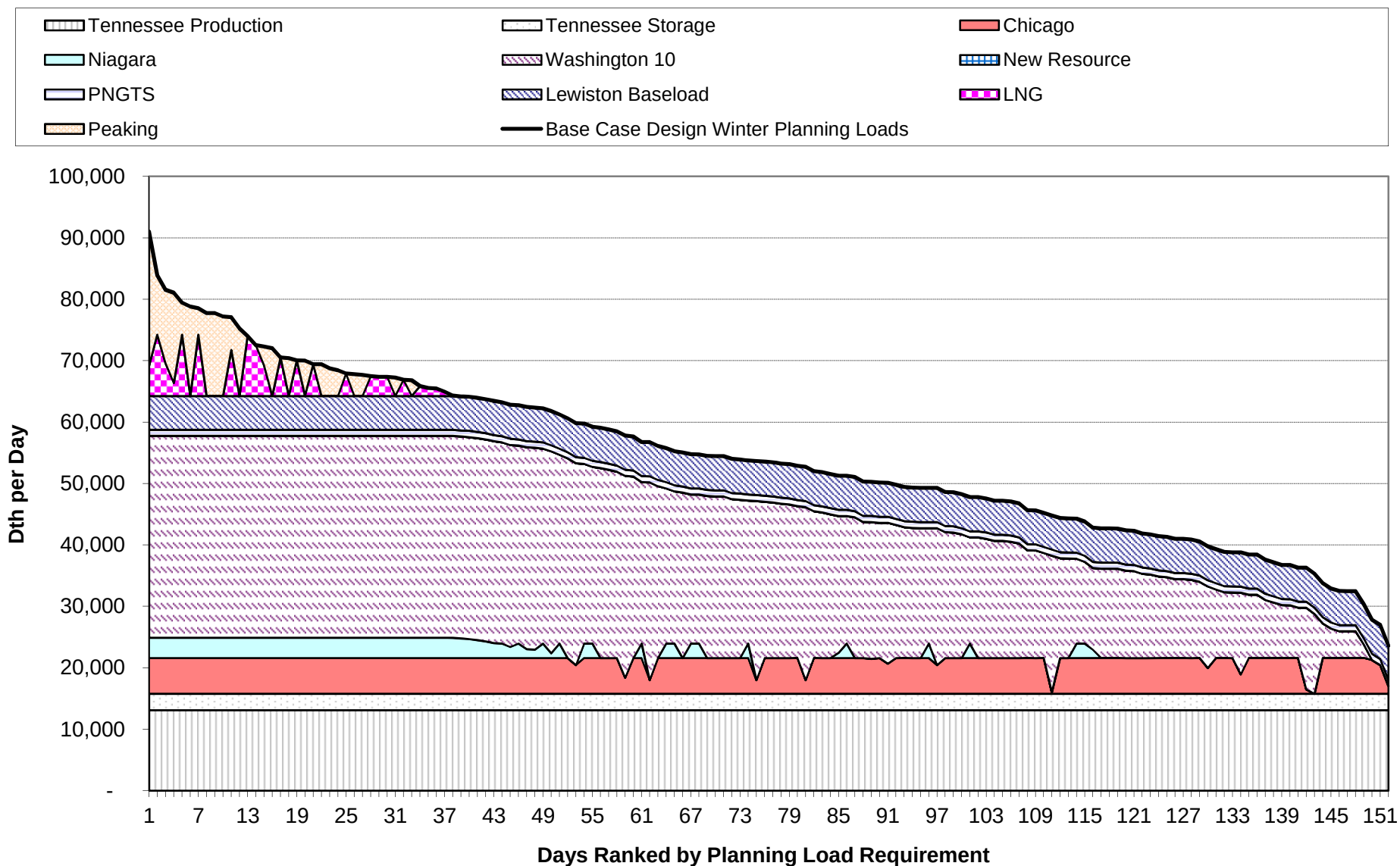


2015-2016 Load Duration Curve BASE CASE - NORMAL WEATHER (Based on Projected Takes)

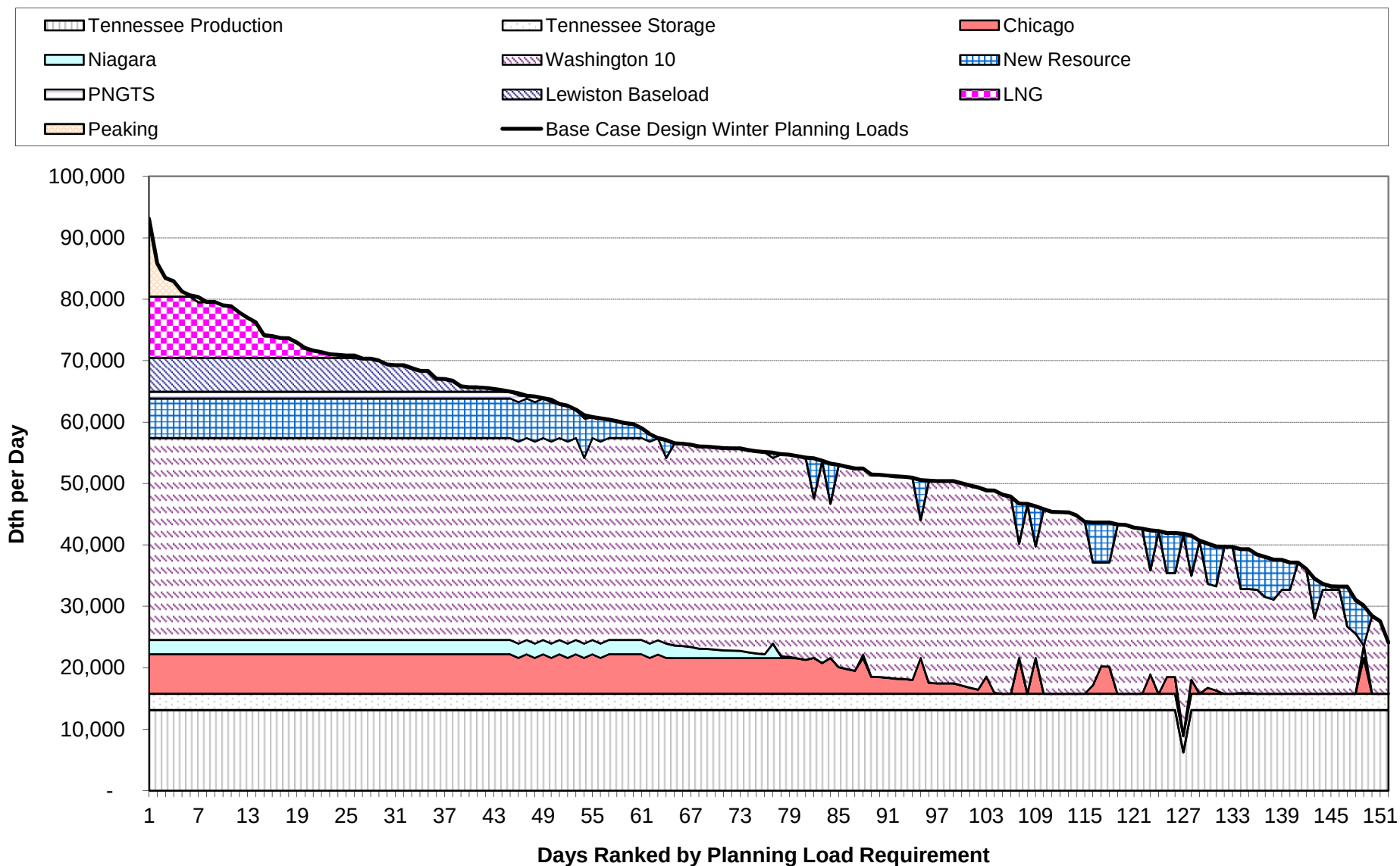


Appendix VI-8(3). High Case Design Load Duration Curve

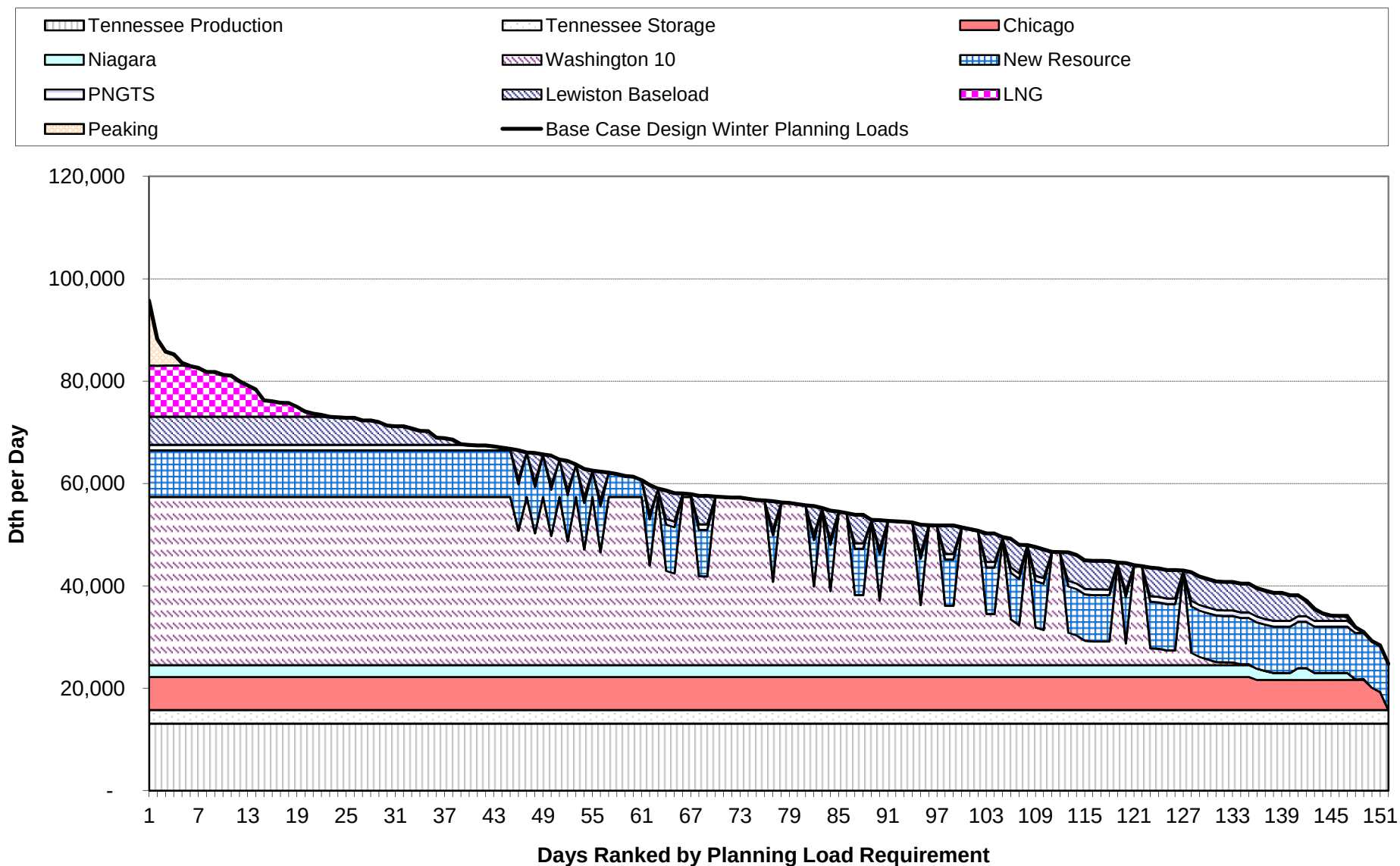
2011-2012 Load Duration Curve HIGH CASE - DESIGN WEATHER (Based on Projected Takes)



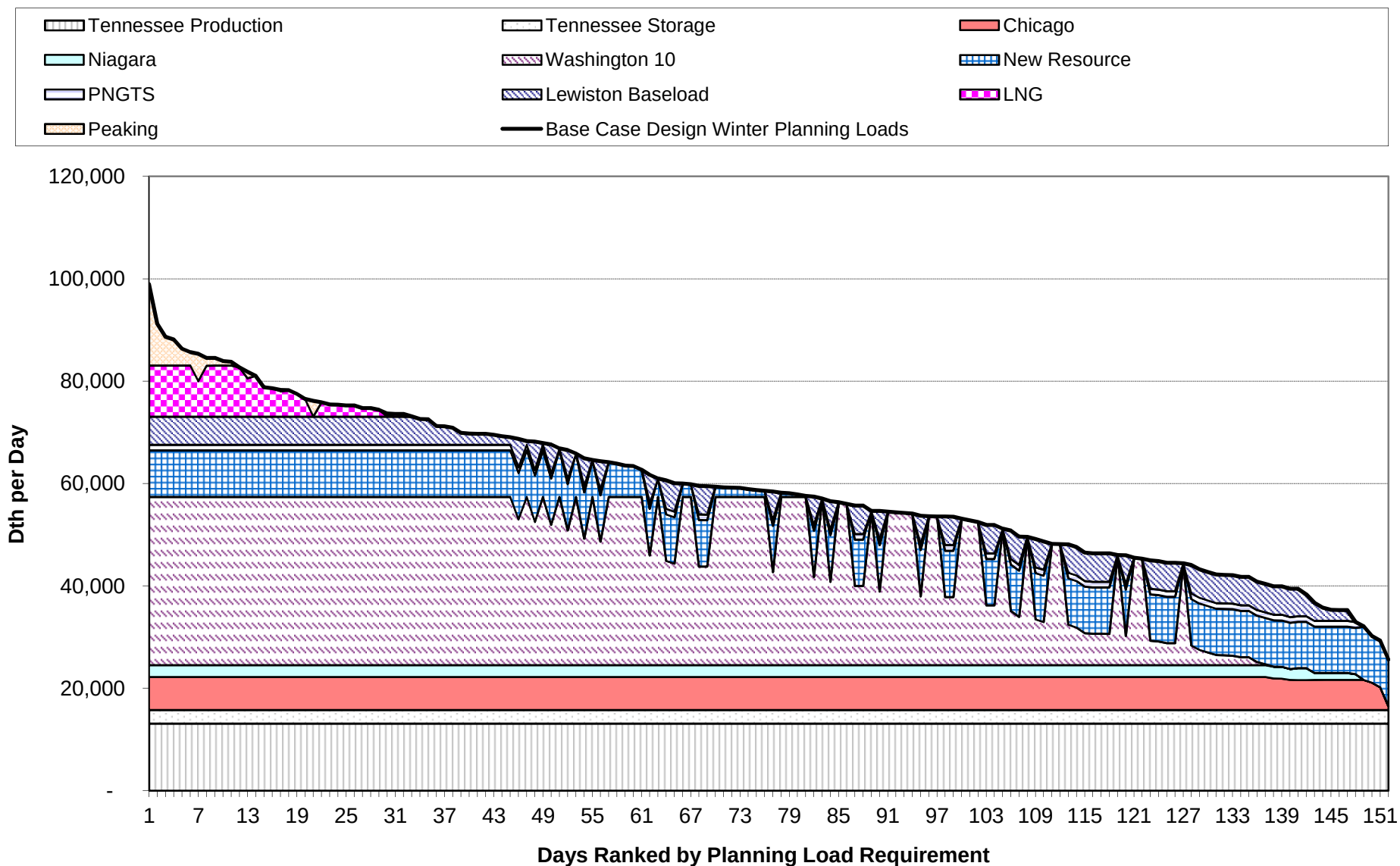
2012-2013 Load Duration Curve HIGH CASE - DESIGN WEATHER (Based on Projected Takes)



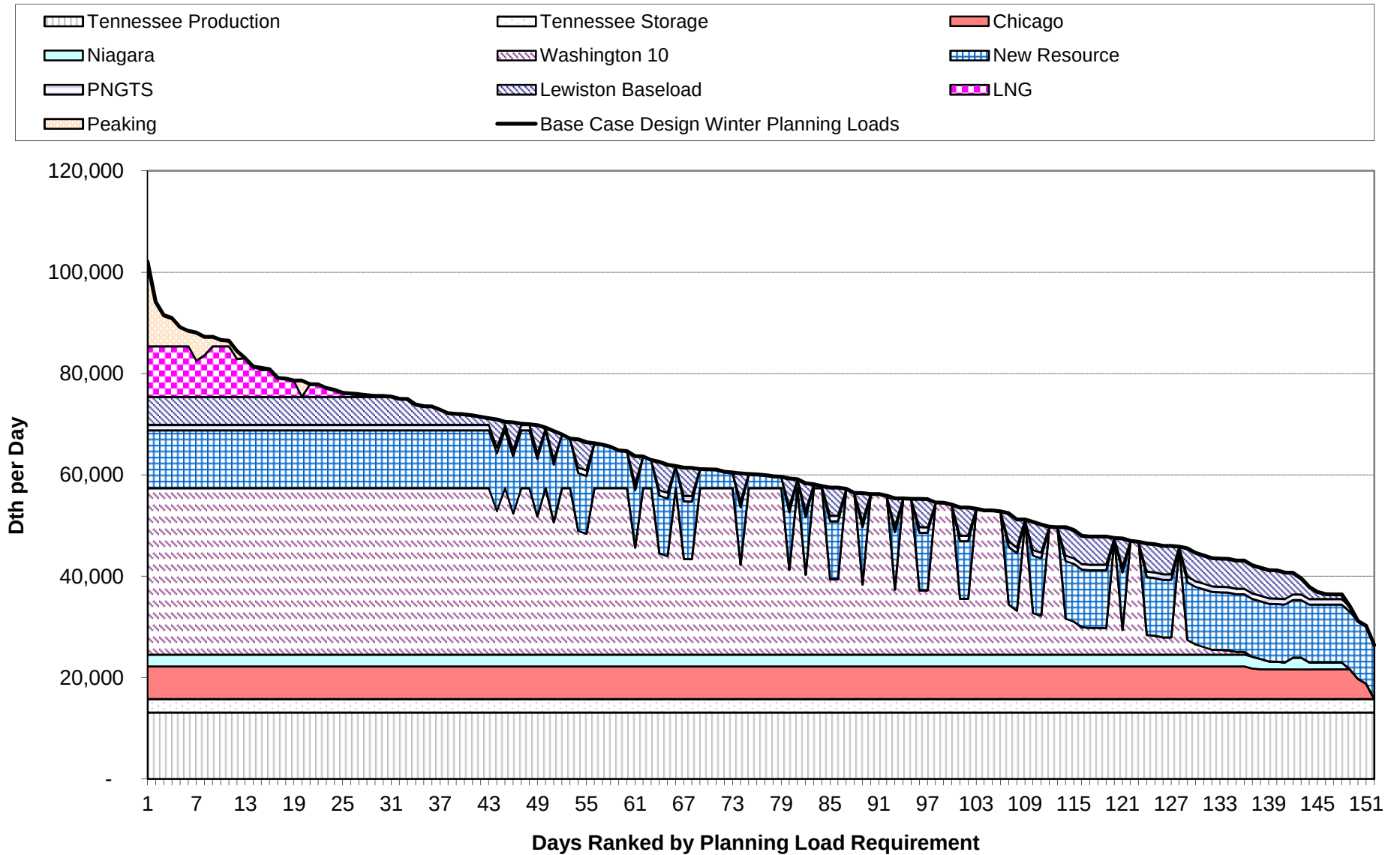
2013-2014 Load Duration Curve HIGH CASE - DESIGN WEATHER (Based on Projected Takes)



2014-2015 Load Duration Curve HIGH CASE - DESIGN WEATHER (Based on Projected Takes)

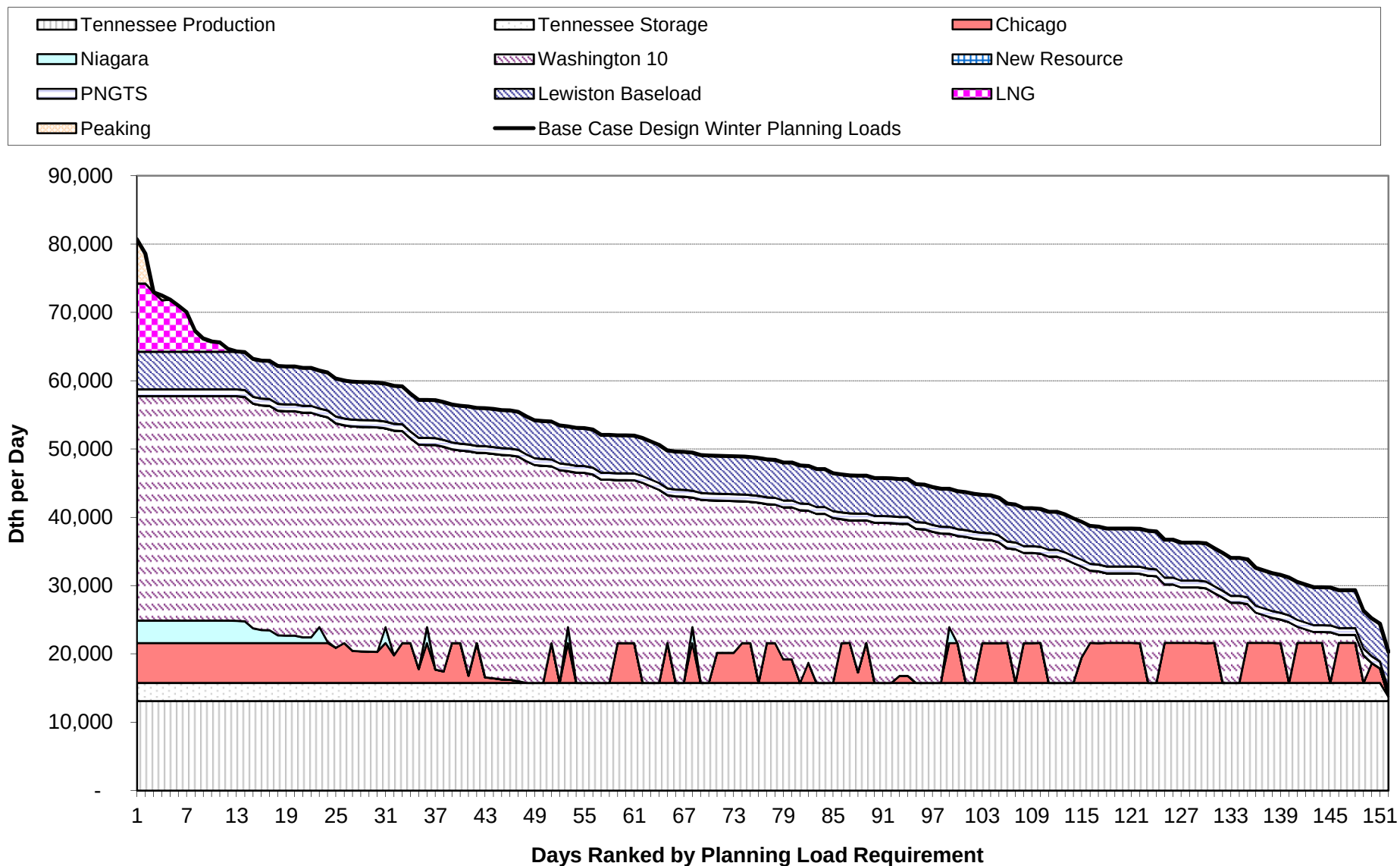


2015-2016 Load Duration Curve HIGH CASE - DESIGN WEATHER (Based on Projected Takes)

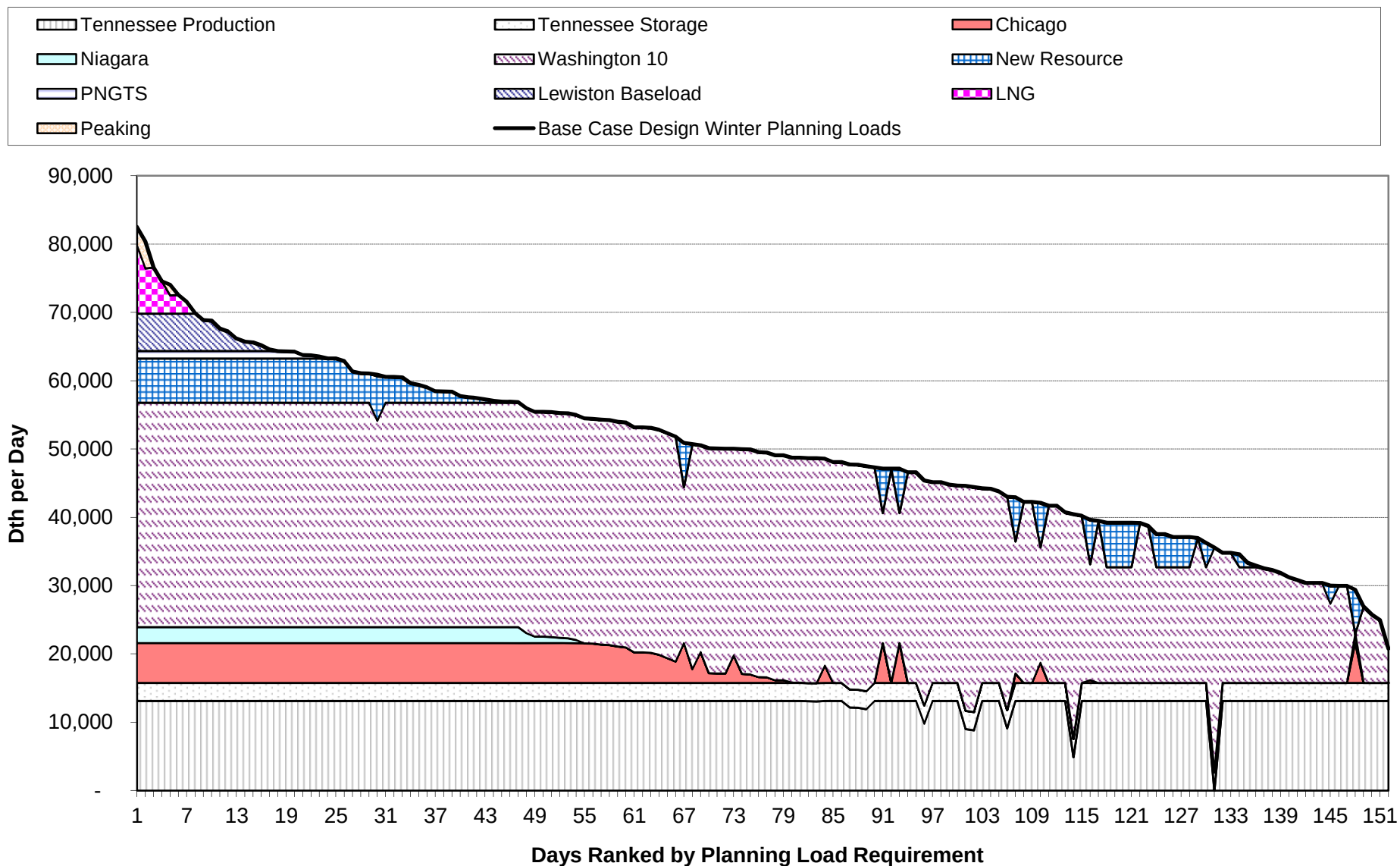


Appendix VI-8(4). High Case Normal Load Duration Curve

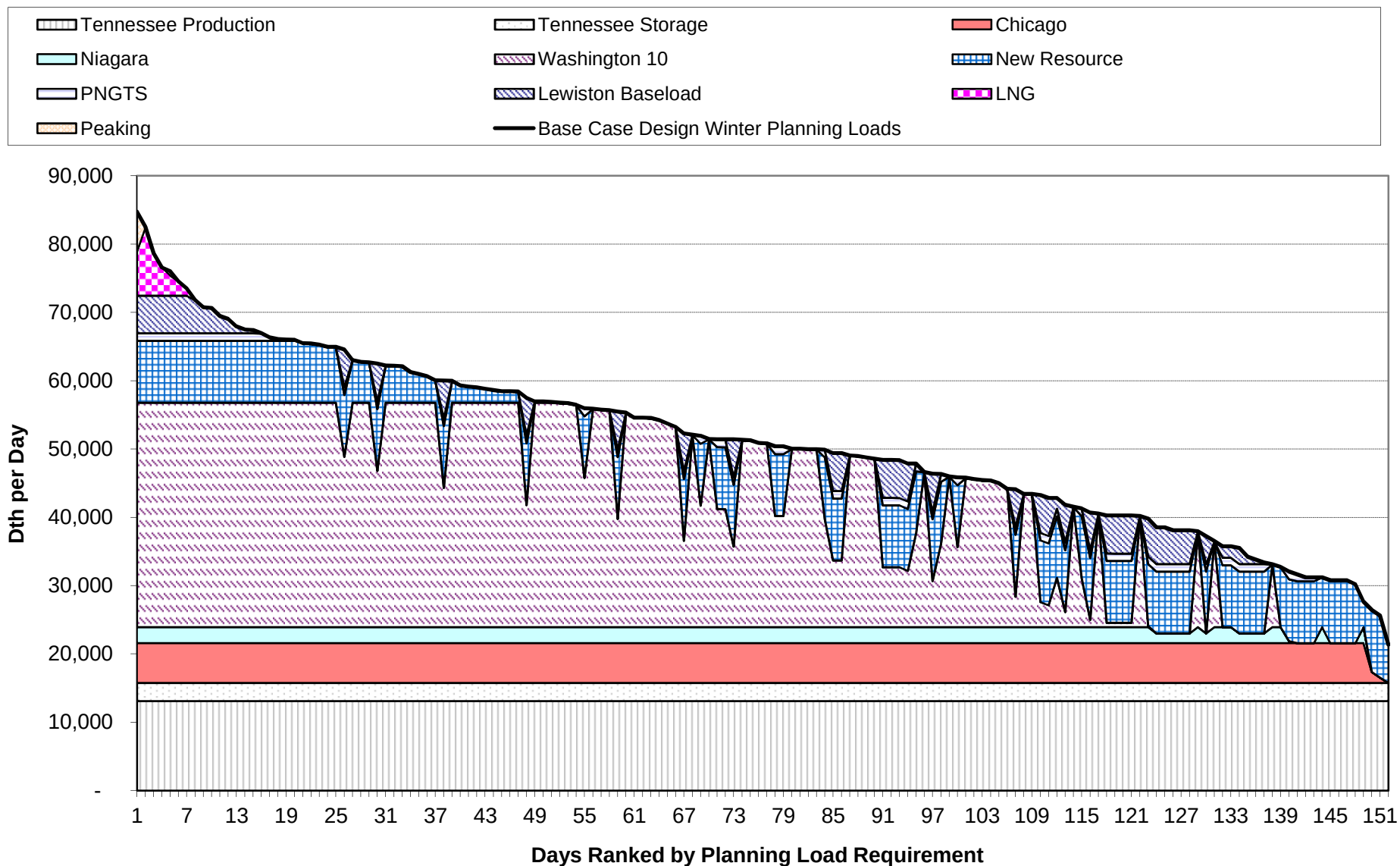
2011-2012 Load Duration Curve HIGH CASE - NORMAL WEATHER (Based on Projected Takes)



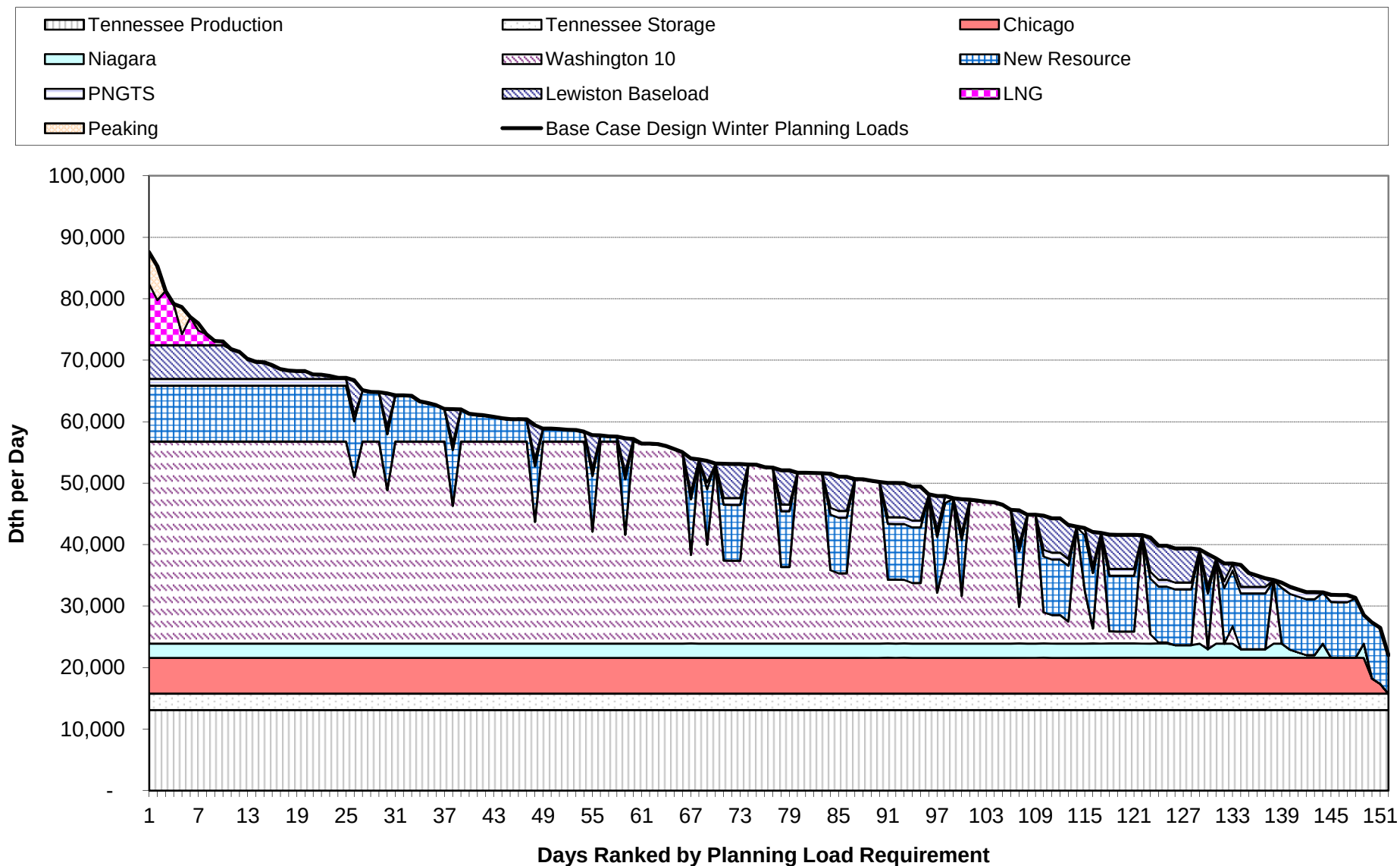
2012-2013 Load Duration Curve HIGH CASE - NORMAL WEATHER (Based on Projected Takes)



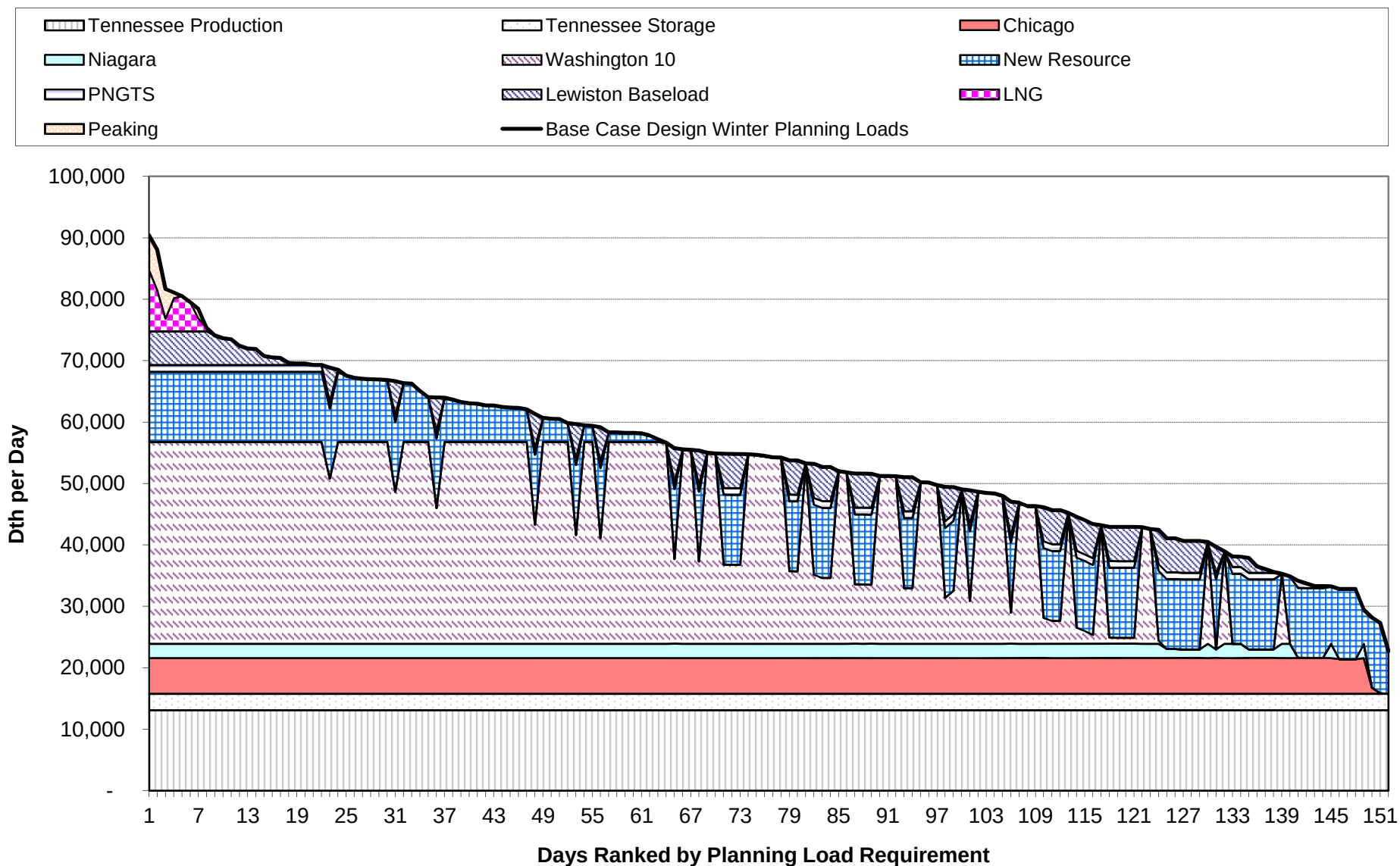
2013-2014 Load Duration Curve HIGH CASE - NORMAL WEATHER (Based on Projected Takes)



2014-2015 Load Duration Curve HIGH CASE - NORMAL WEATHER (Based on Projected Takes)

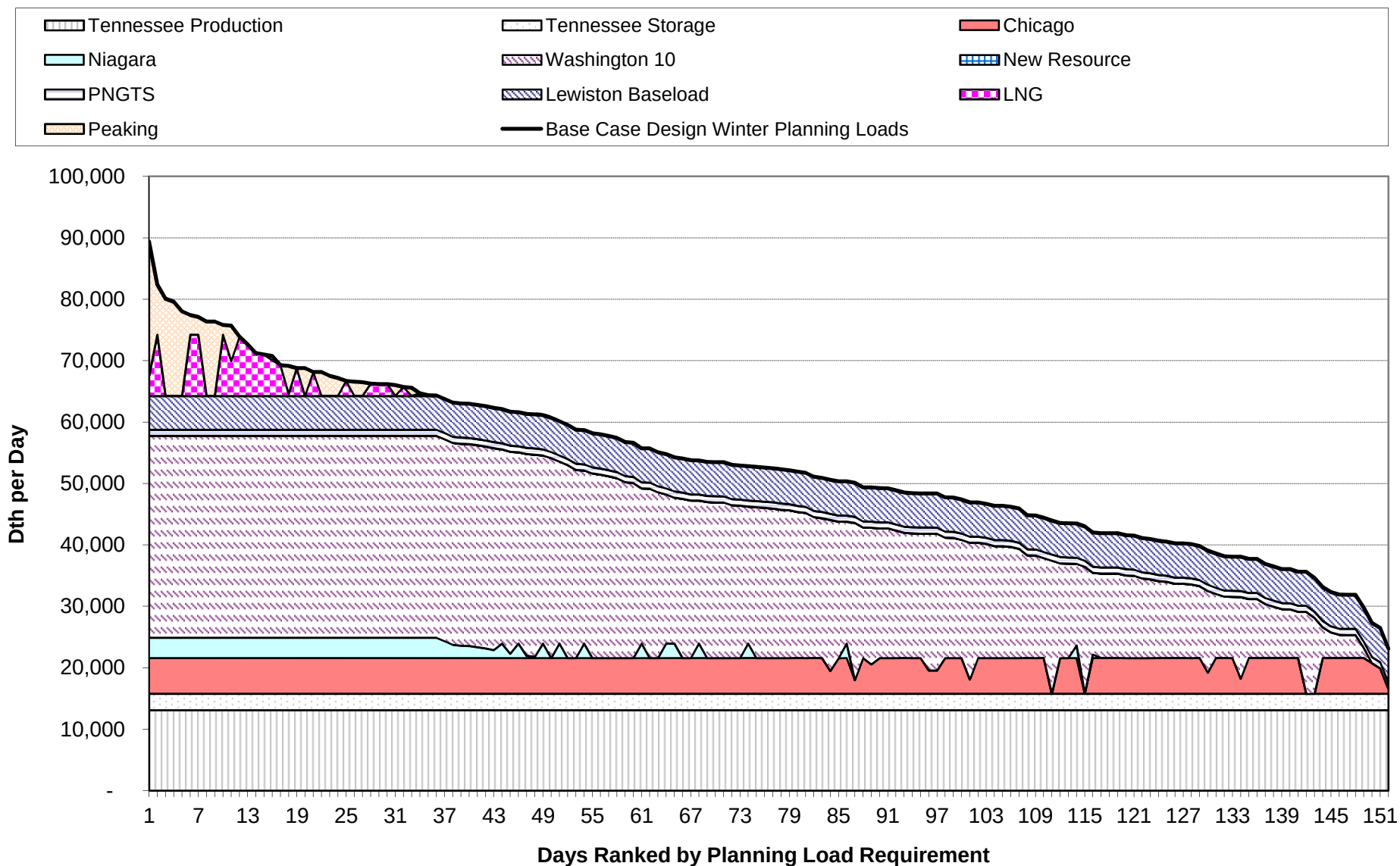


2015-2016 Load Duration Curve HIGH CASE - NORMAL WEATHER (Based on Projected Takes)

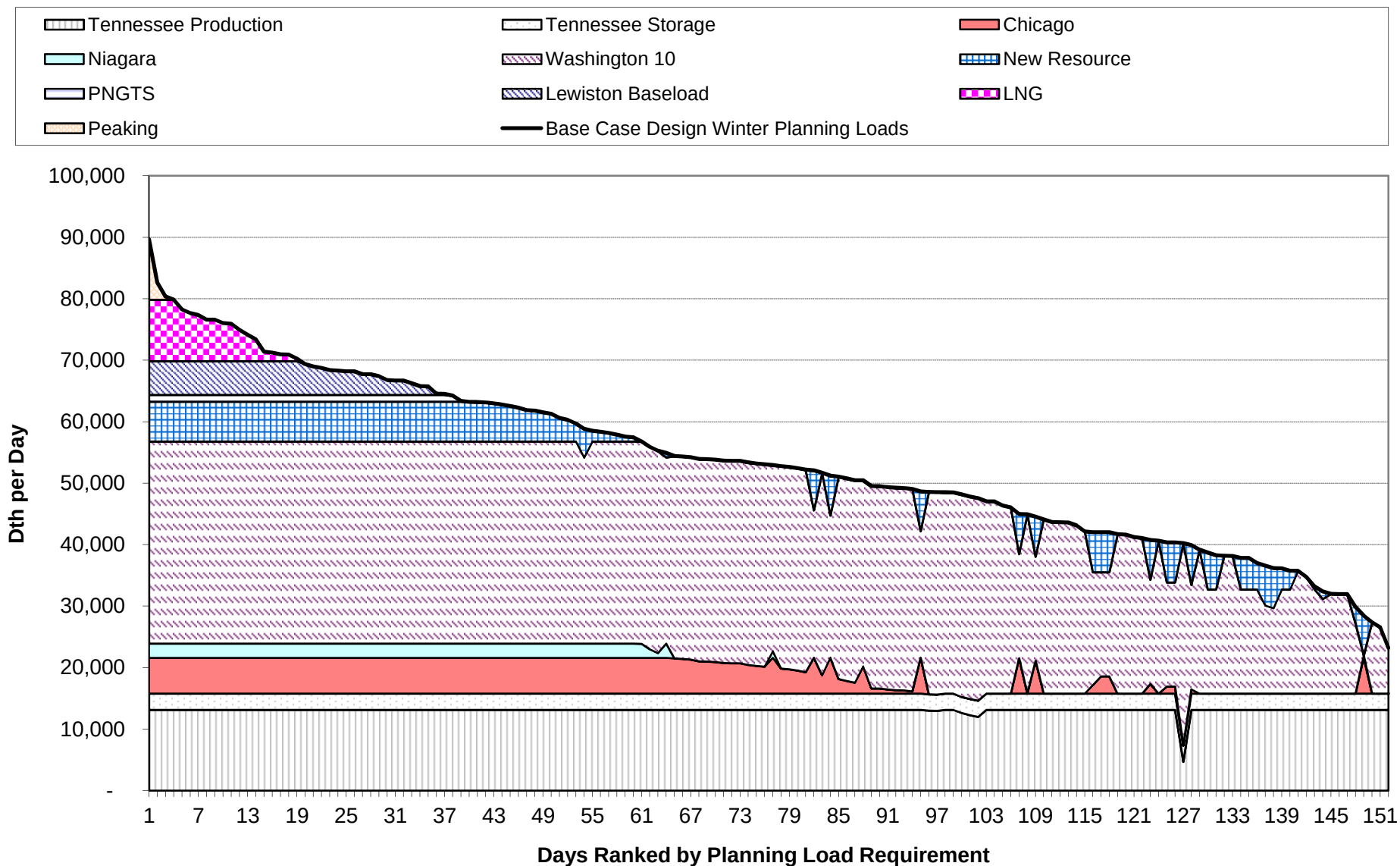


Appendix VI-8(5). Low Case Design Load Duration Curve

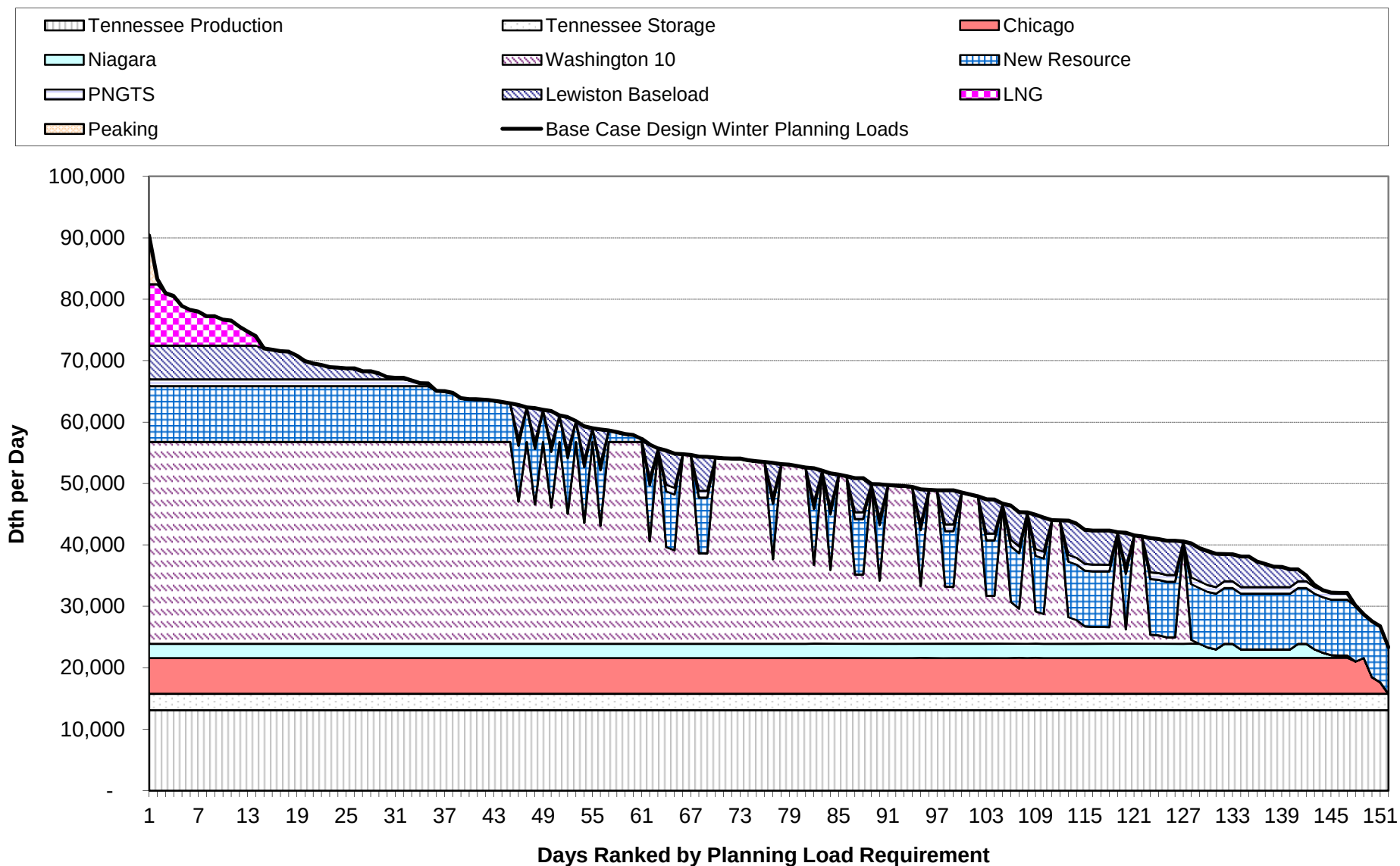
2011-2012 Load Duration Curve LOW CASE - DESIGN WEATHER (Based on Projected Takes)



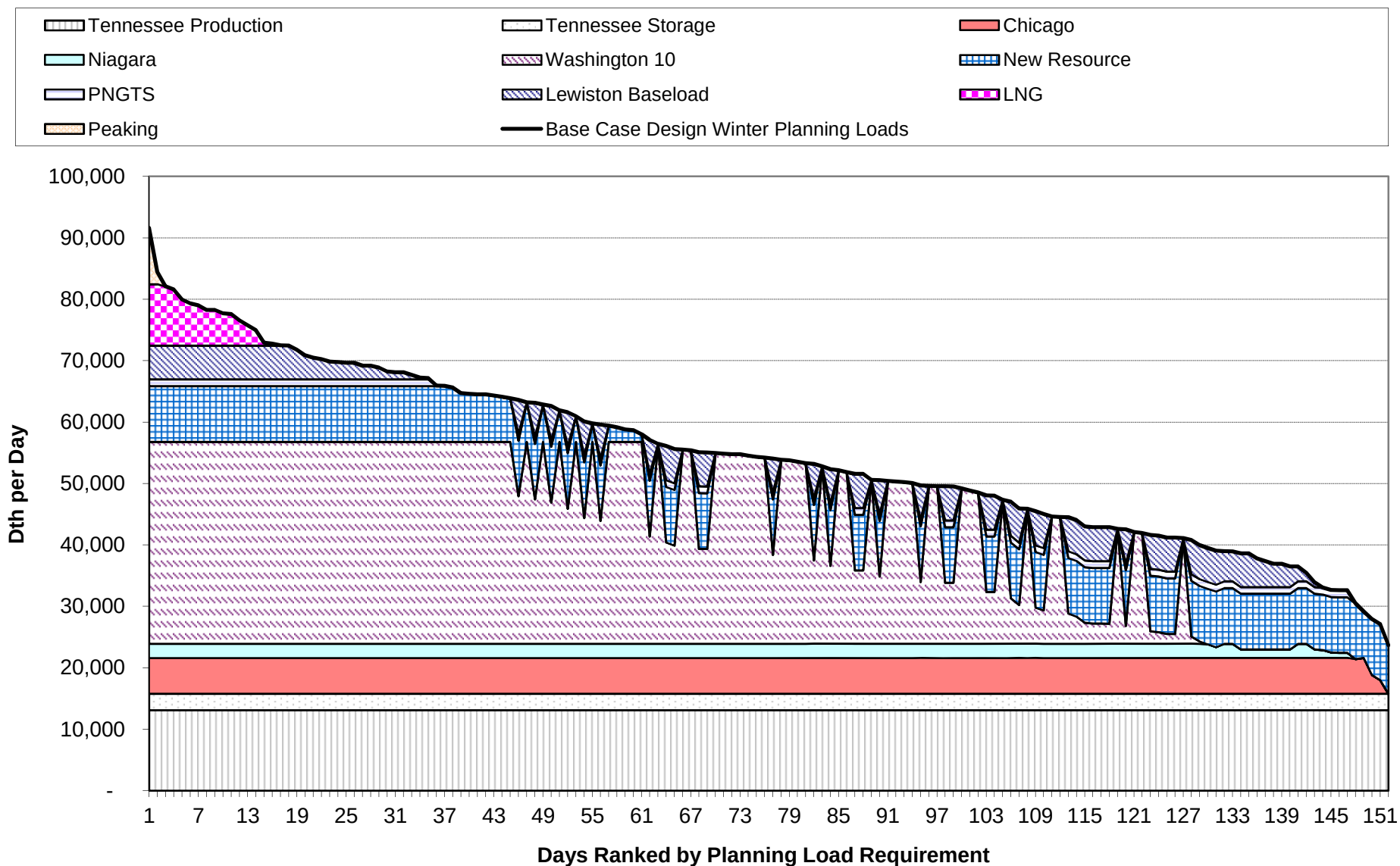
2012-2013 Load Duration Curve LOW CASE - DESIGN WEATHER (Based on Projected Takes)



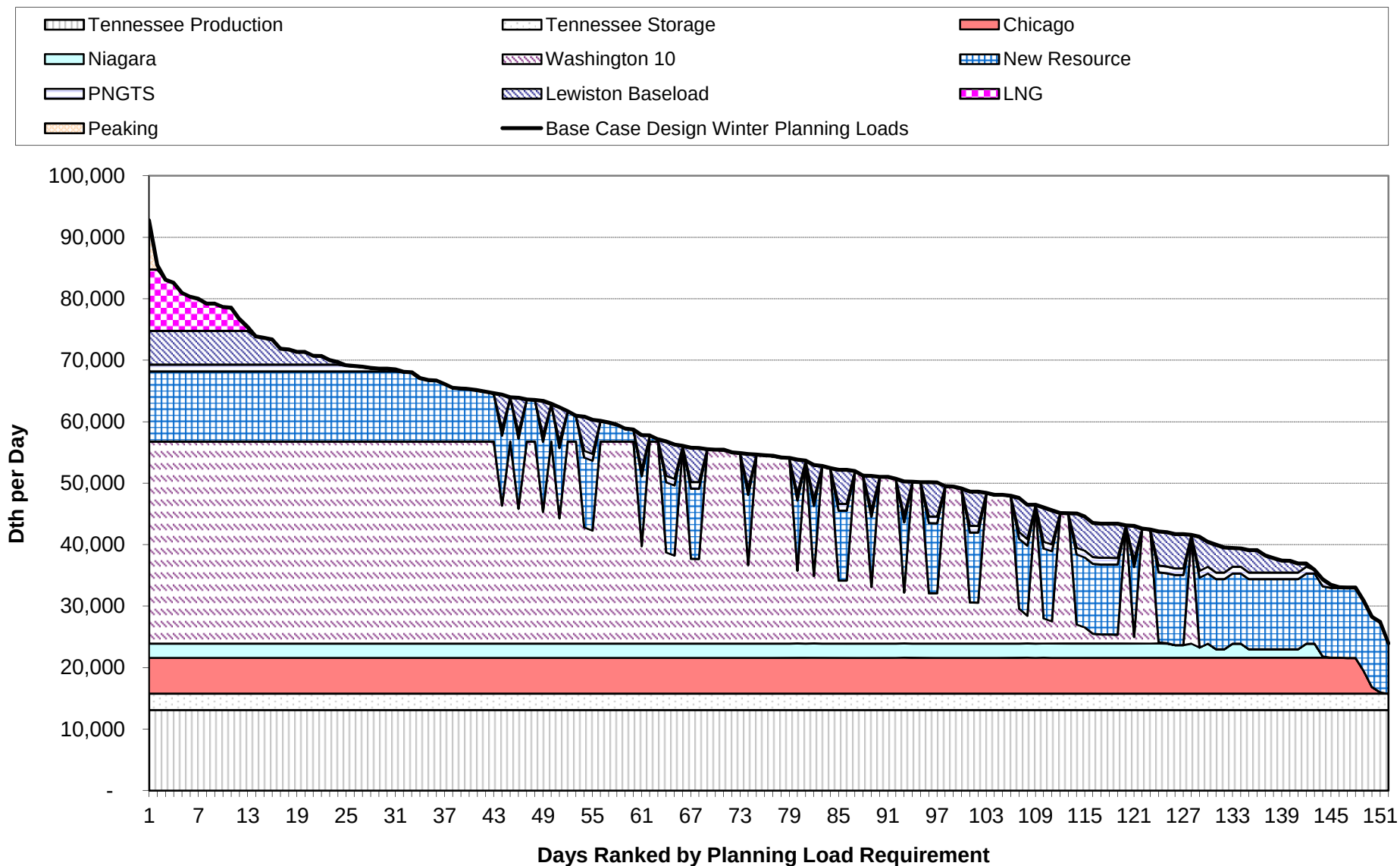
2013-2014 Load Duration Curve LOW CASE - DESIGN WEATHER (Based on Projected Takes)



2014-2015 Load Duration Curve LOW CASE - DESIGN WEATHER (Based on Projected Takes)

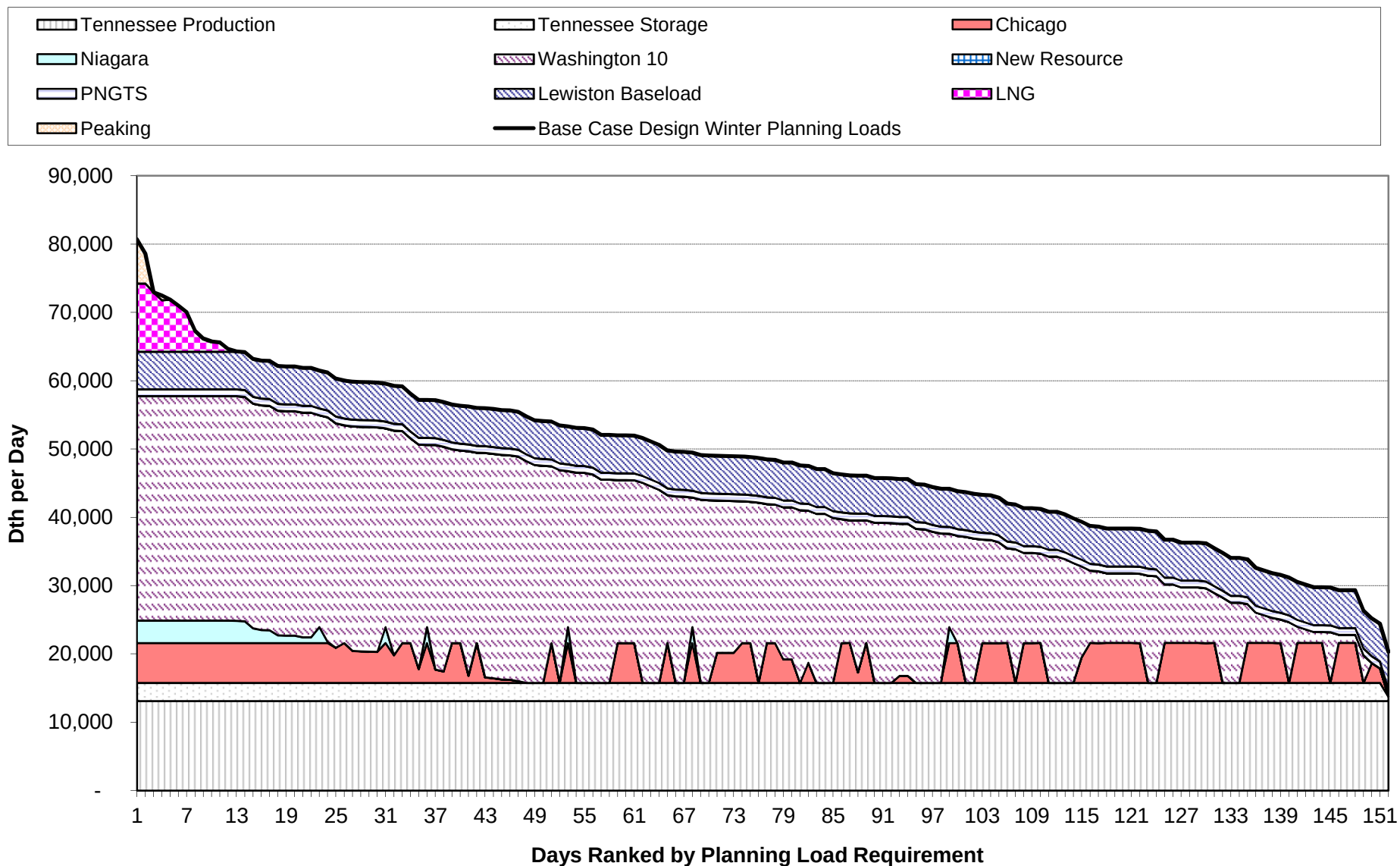


2015-2016 Load Duration Curve LOW CASE - DESIGN WEATHER (Based on Projected Takes)

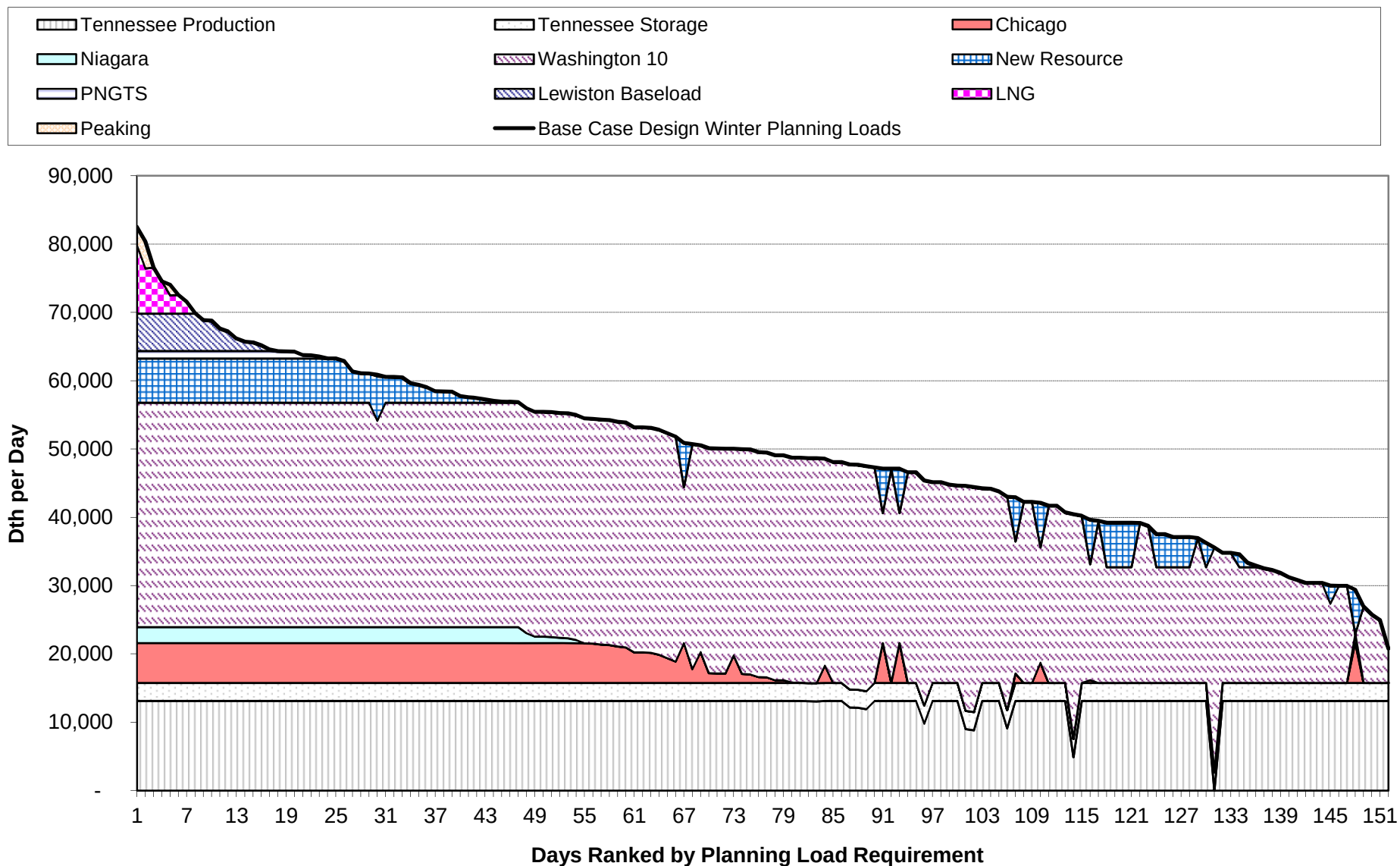


Appendix VI-8(6). Low Case Normal Load Duration Curve

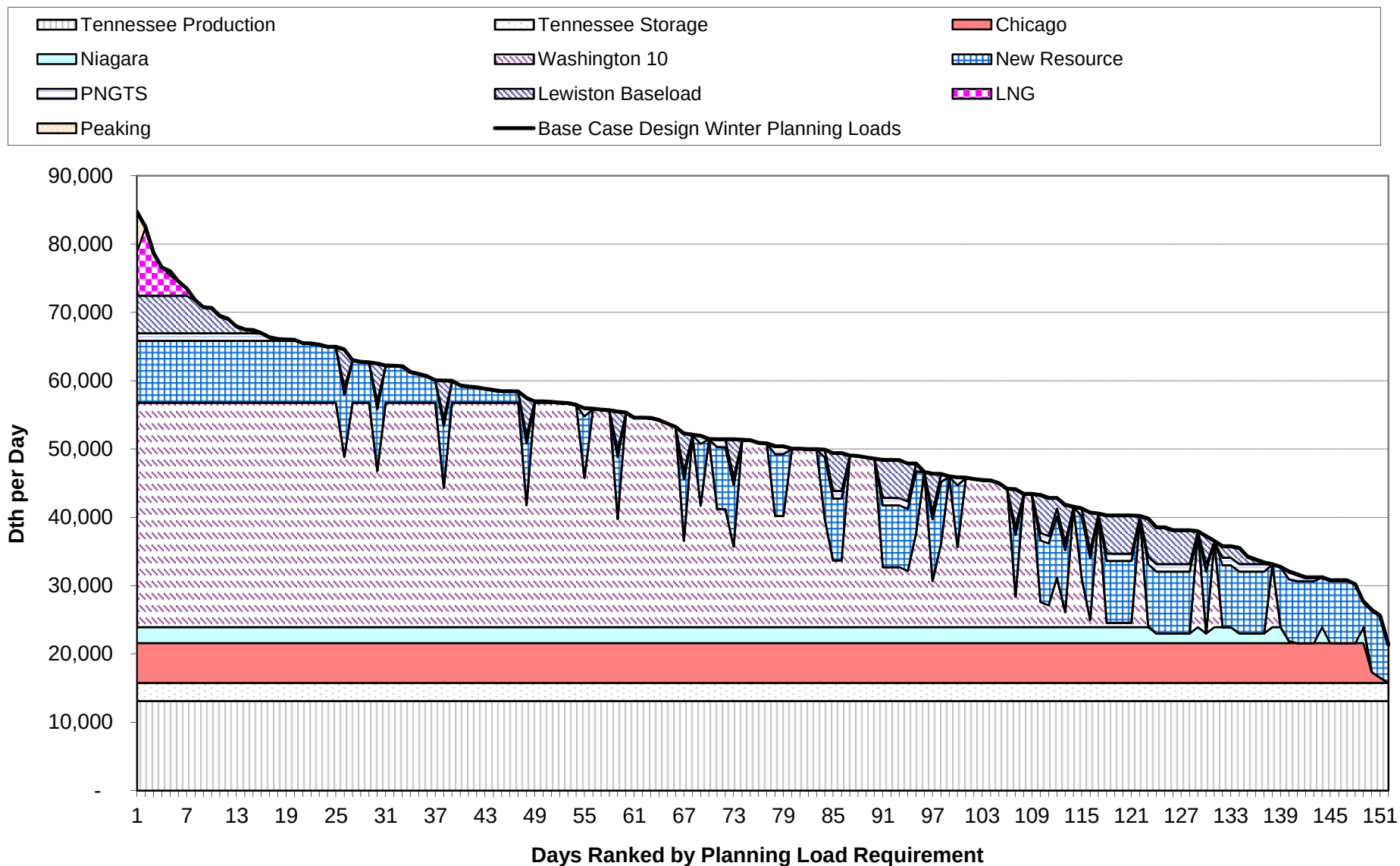
2011-2012 Load Duration Curve LOW CASE - NORMAL WEATHER (Based on Projected Takes)



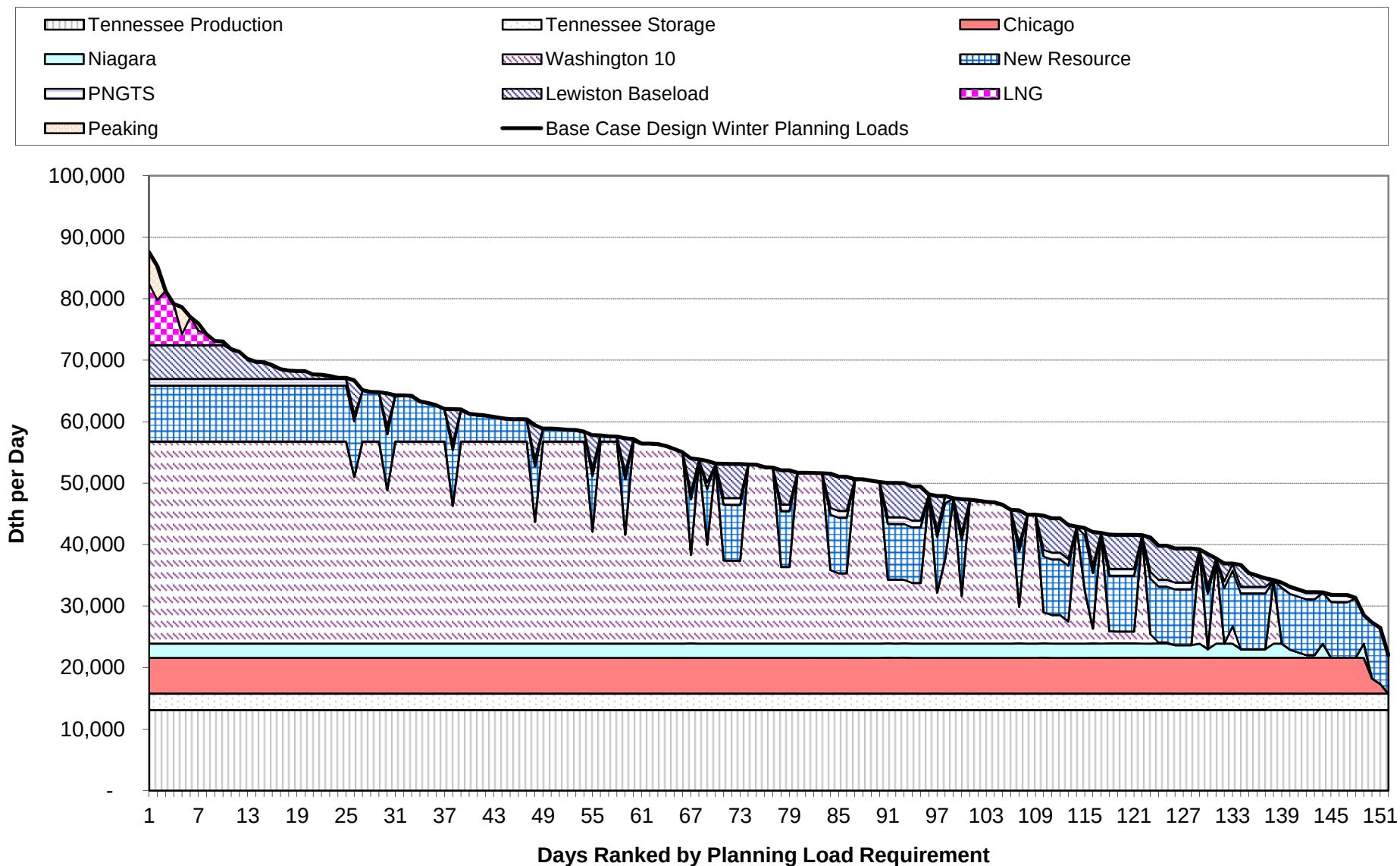
2012-2013 Load Duration Curve LOW CASE - NORMAL WEATHER (Based on Projected Takes)



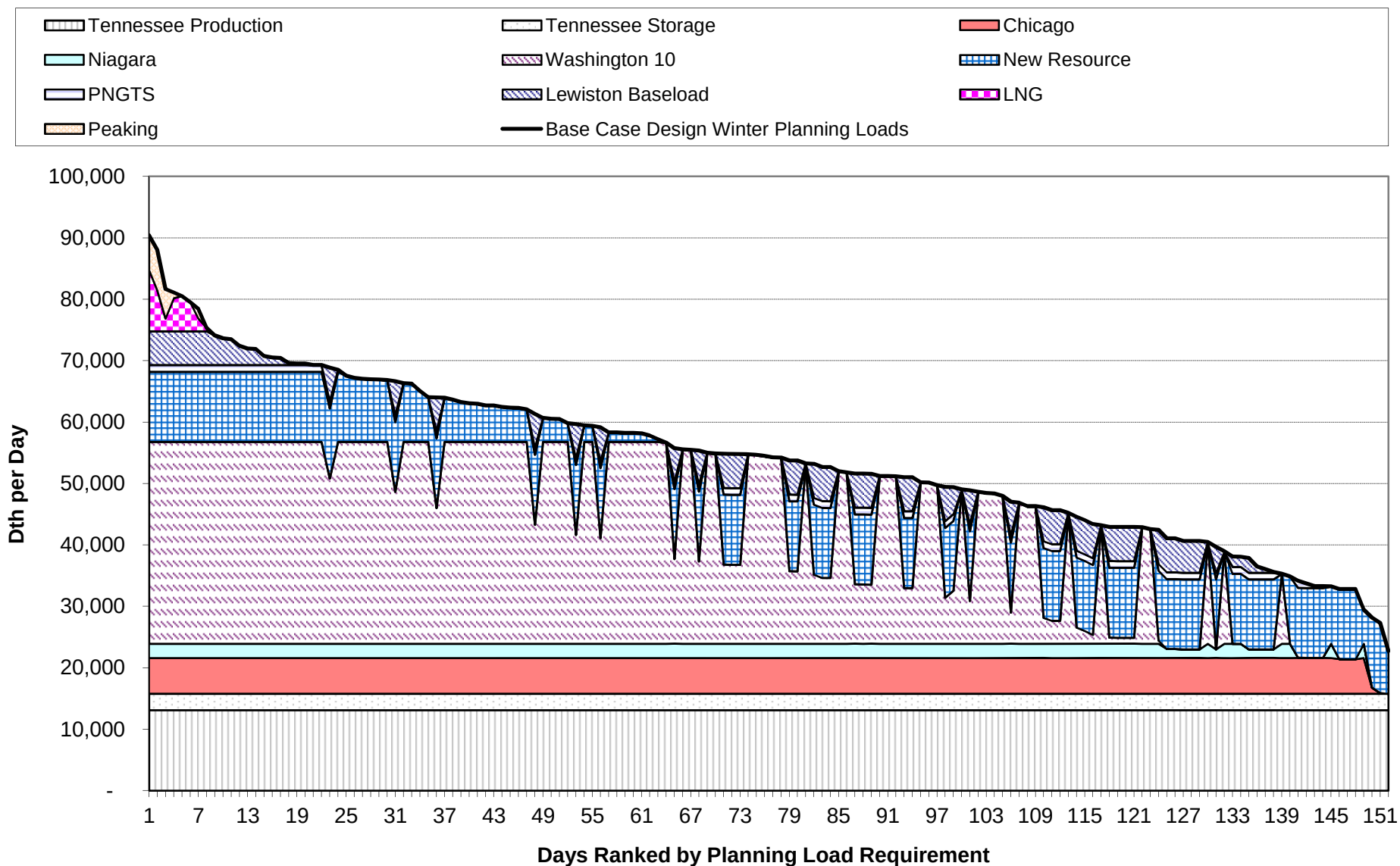
2013-2014 Load Duration Curve LOW CASE - NORMAL WEATHER (Based on Projected Takes)



2014-2015 Load Duration Curve LOW CASE - NORMAL WEATHER (Based on Projected Takes)

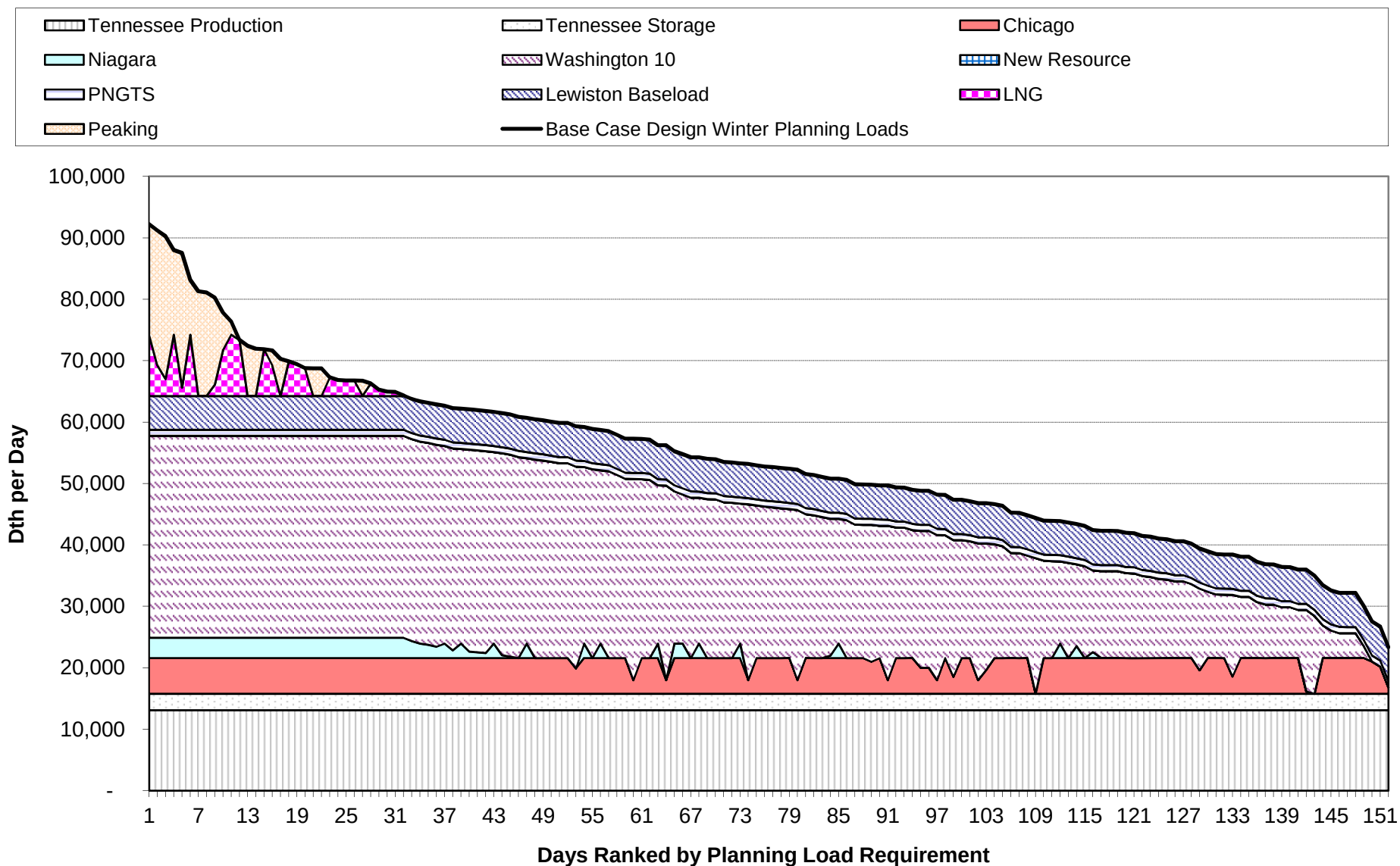


2015-2016 Load Duration Curve LOW CASE - NORMAL WEATHER (Based on Projected Takes)

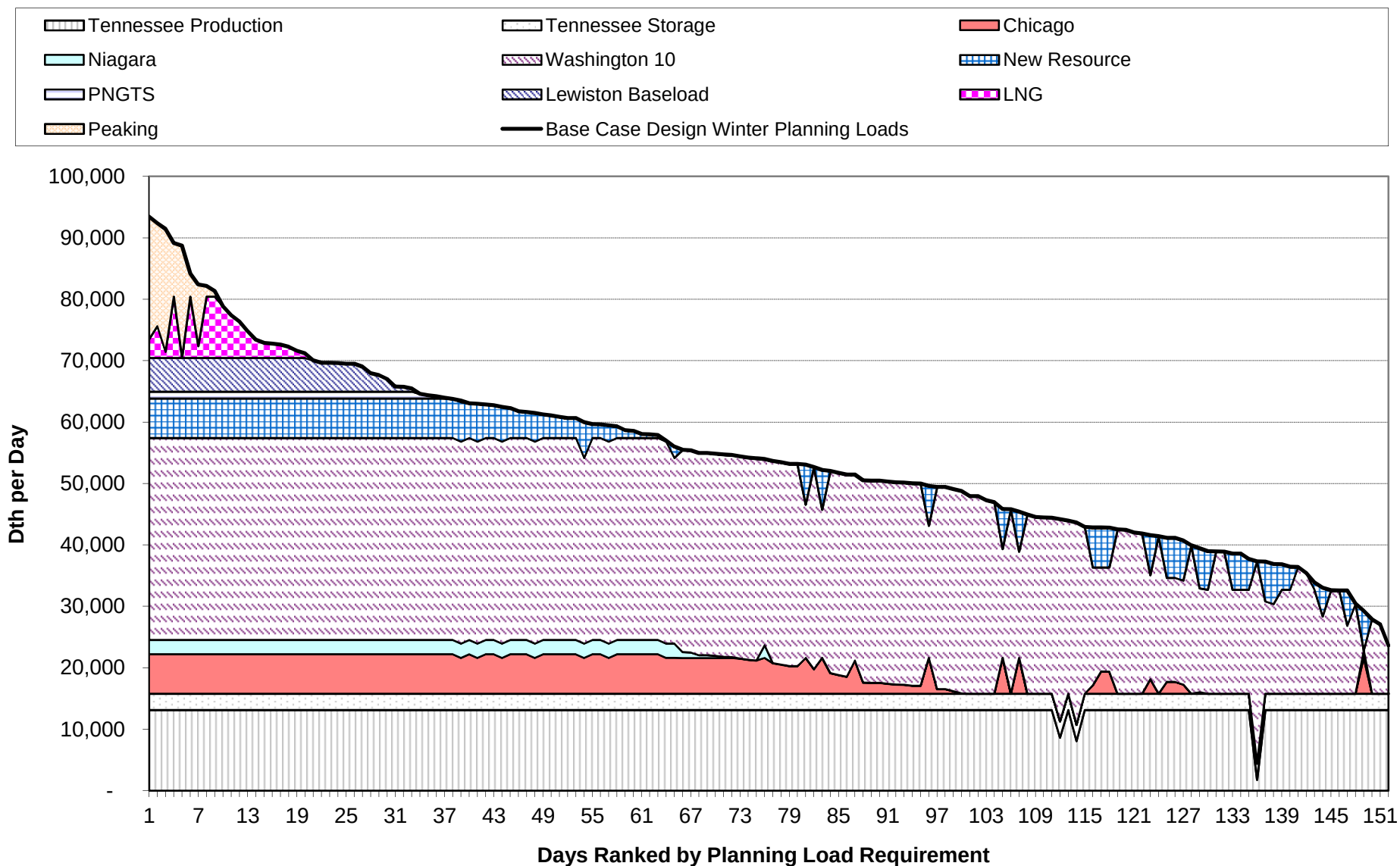


Appendix VI-8(7). Base Case Design with Cold Snap Load Duration Curve

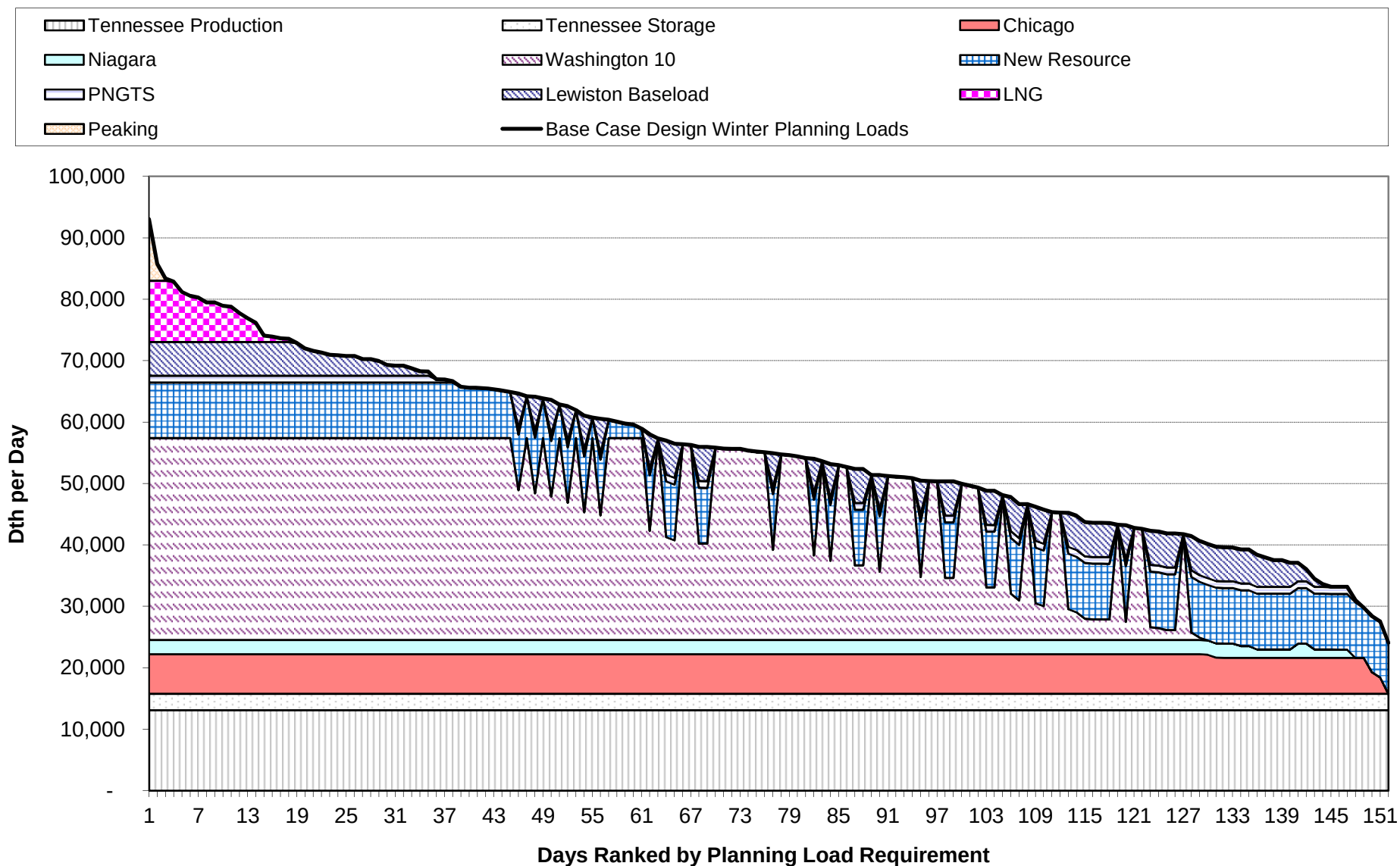
2011-2012 Load Duration Curve BASE CASE - DESIGN WEATHER with Cold Snap (Based on Projected Takes)



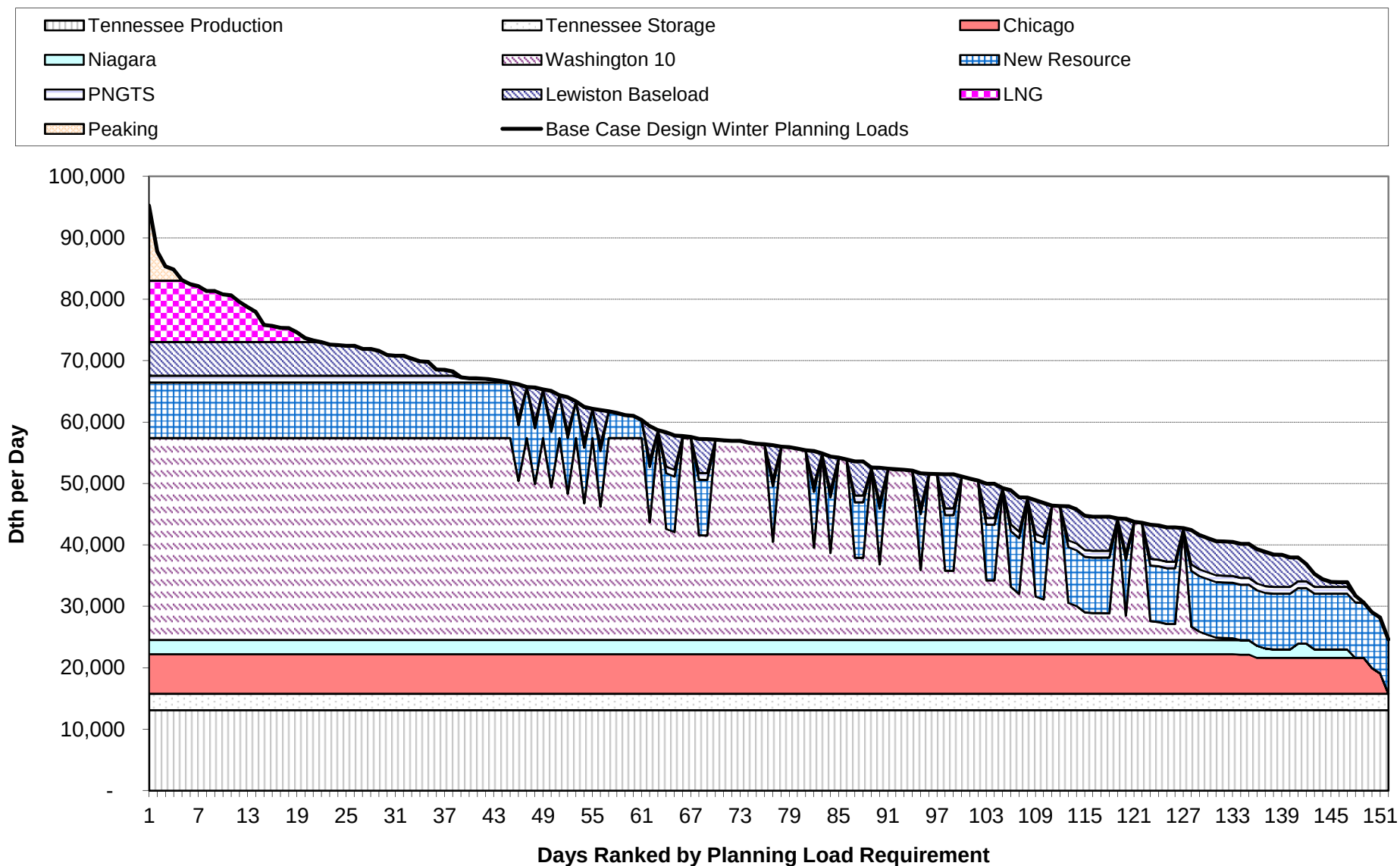
2012-2013 Load Duration Curve BASE CASE - DESIGN WEATHER with Cold Snap (Based on Projected Takes)



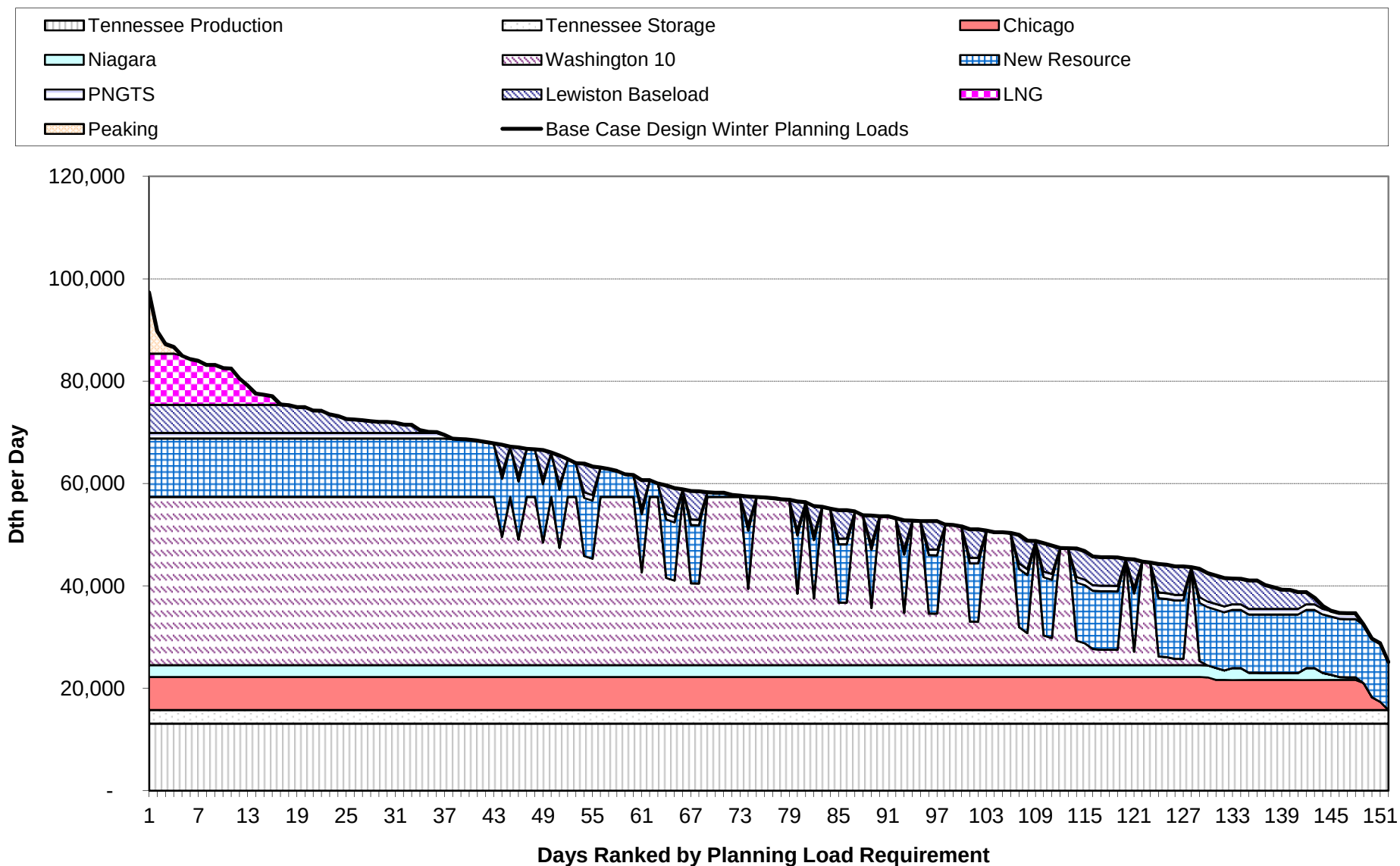
2013-2014 Load Duration Curve BASE CASE - DESIGN WEATHER (Based on Projected Takes)



2014-2015 Load Duration Curve BASE CASE - DESIGN WEATHER (Based on Projected Takes)

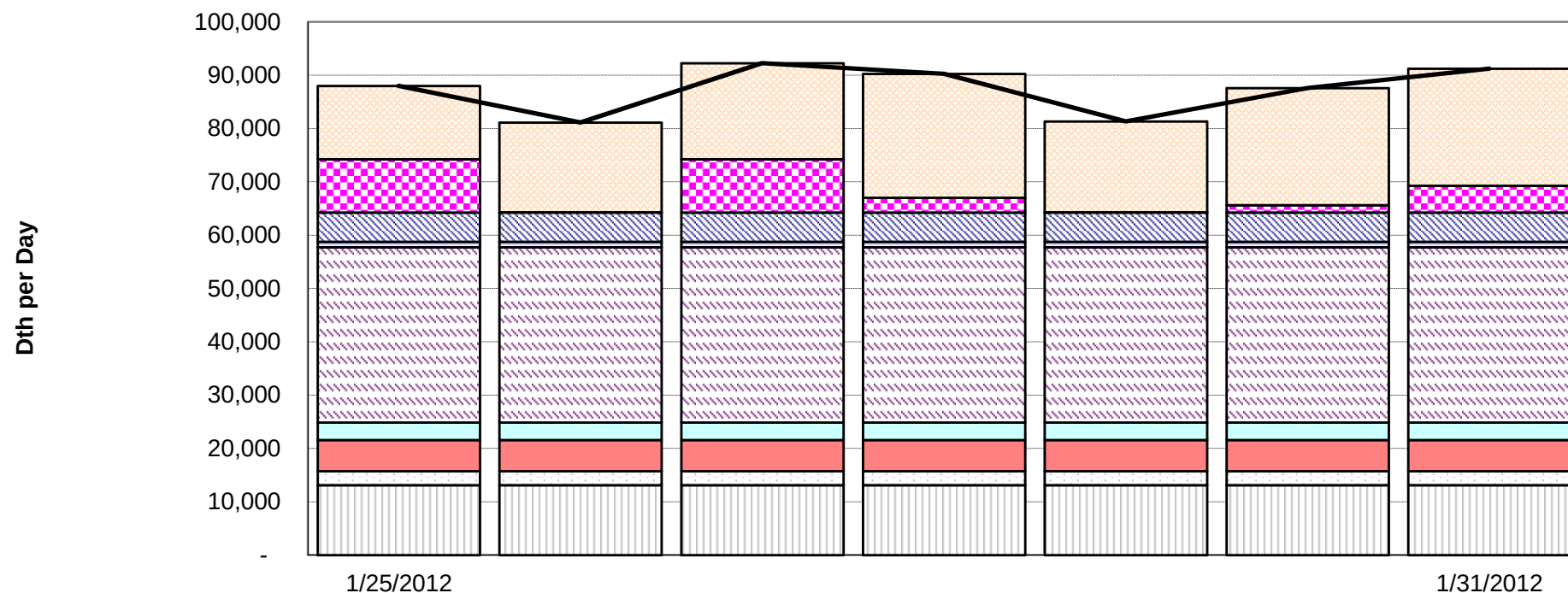


2015-2016 Load Duration Curve BASE CASE - DESIGN WEATHER (Based on Projected Takes)

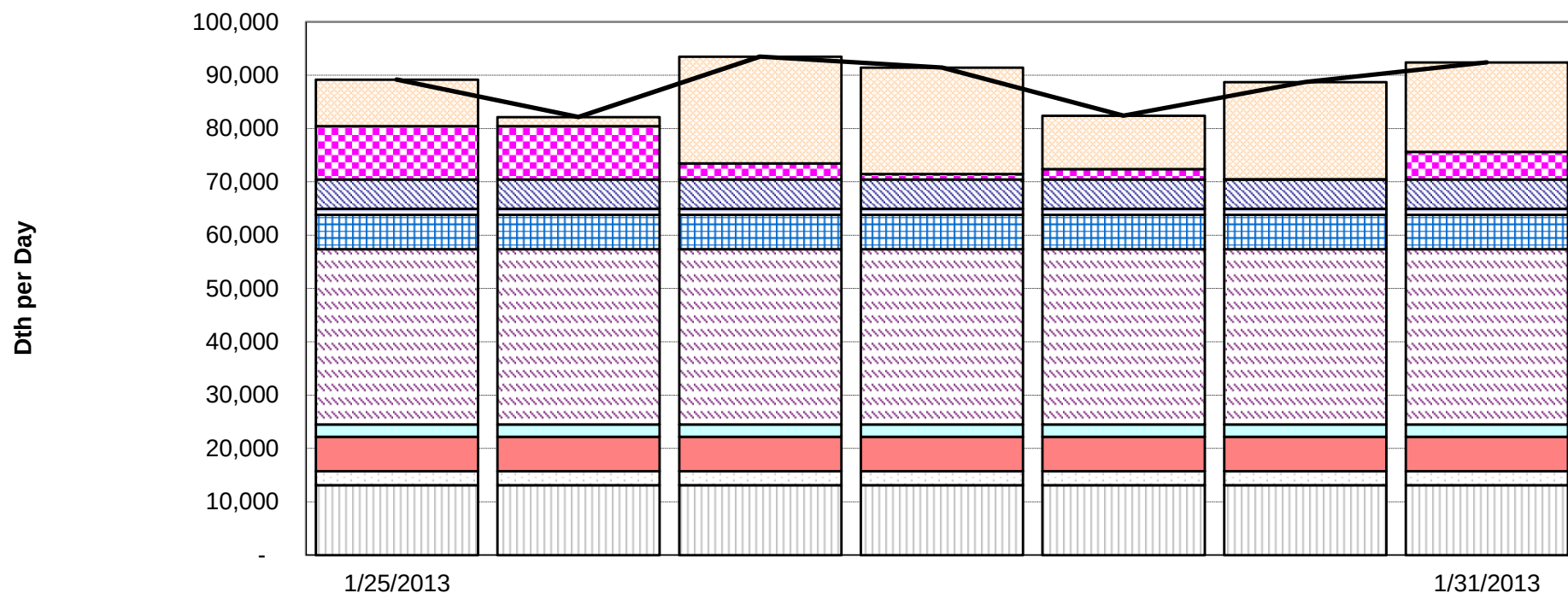


Appendix VI-9. Cold Snap Analysis

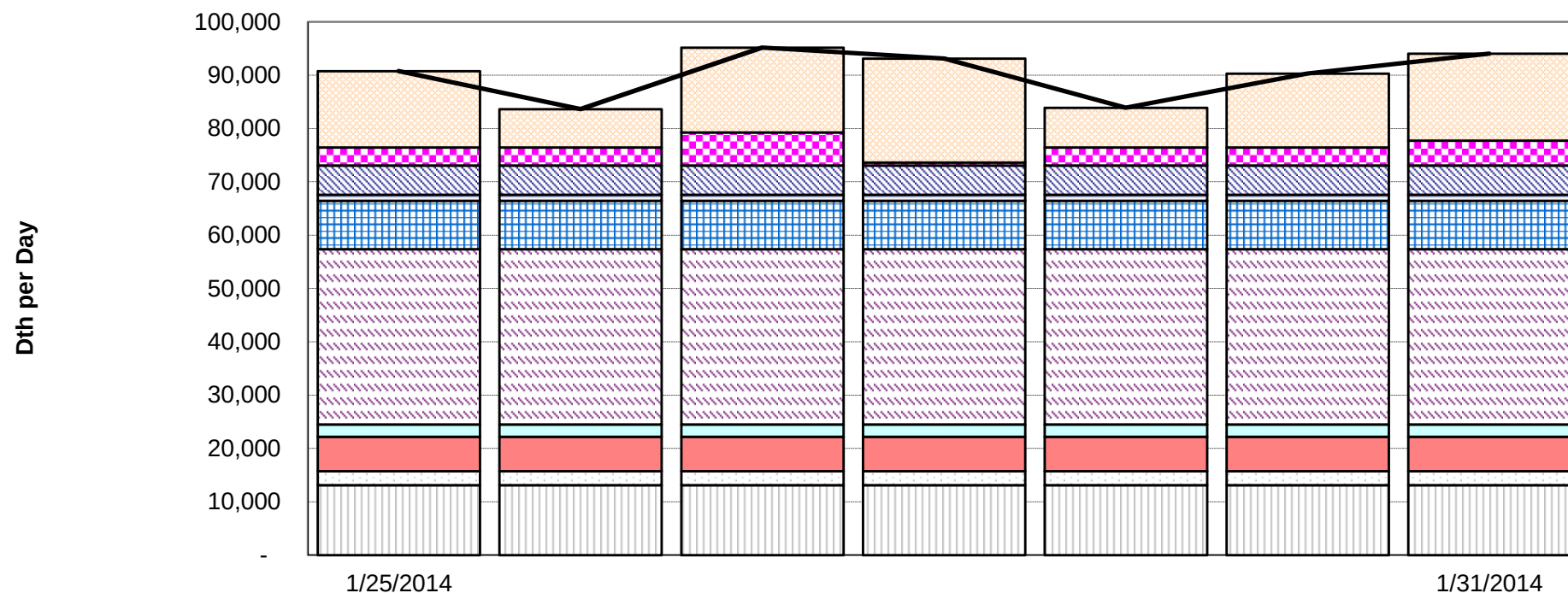
**2011-2012 COLD SNAP ANALYSIS
(Based on Projected Takes)**



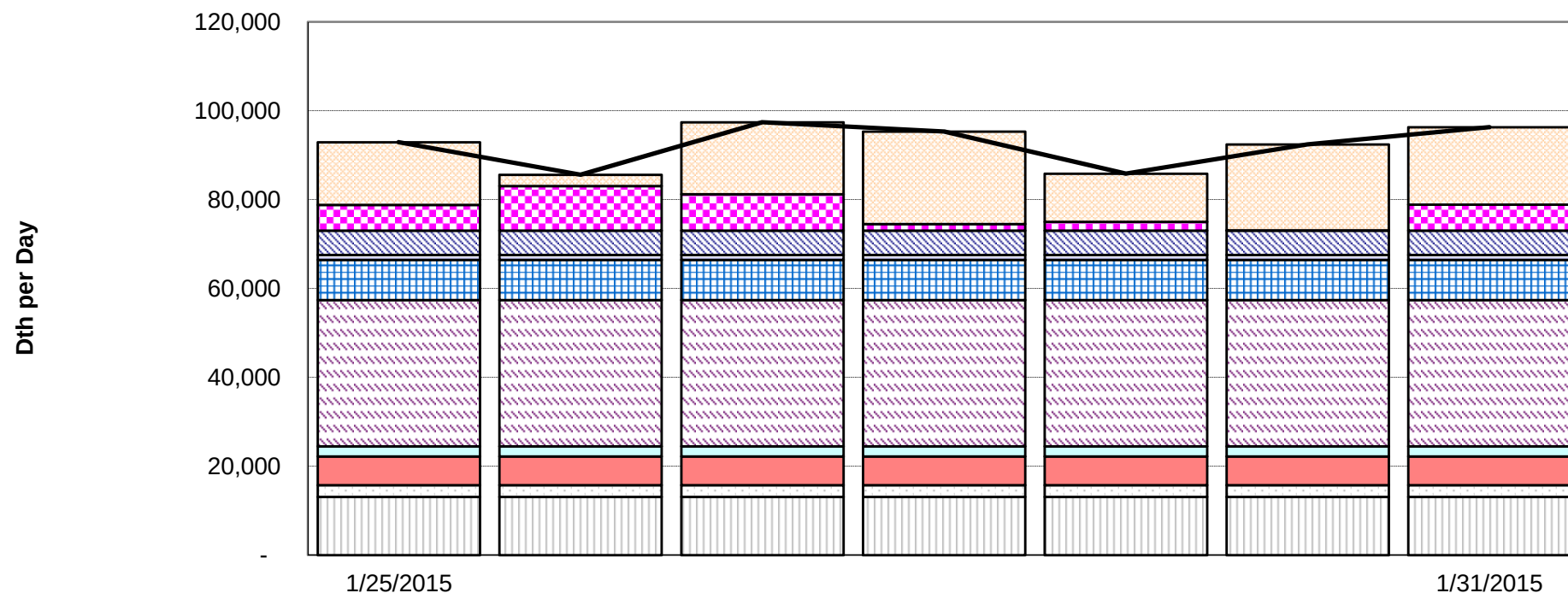
2012-2013 COLD SNAP ANALYSIS (Based on Projected Takes)



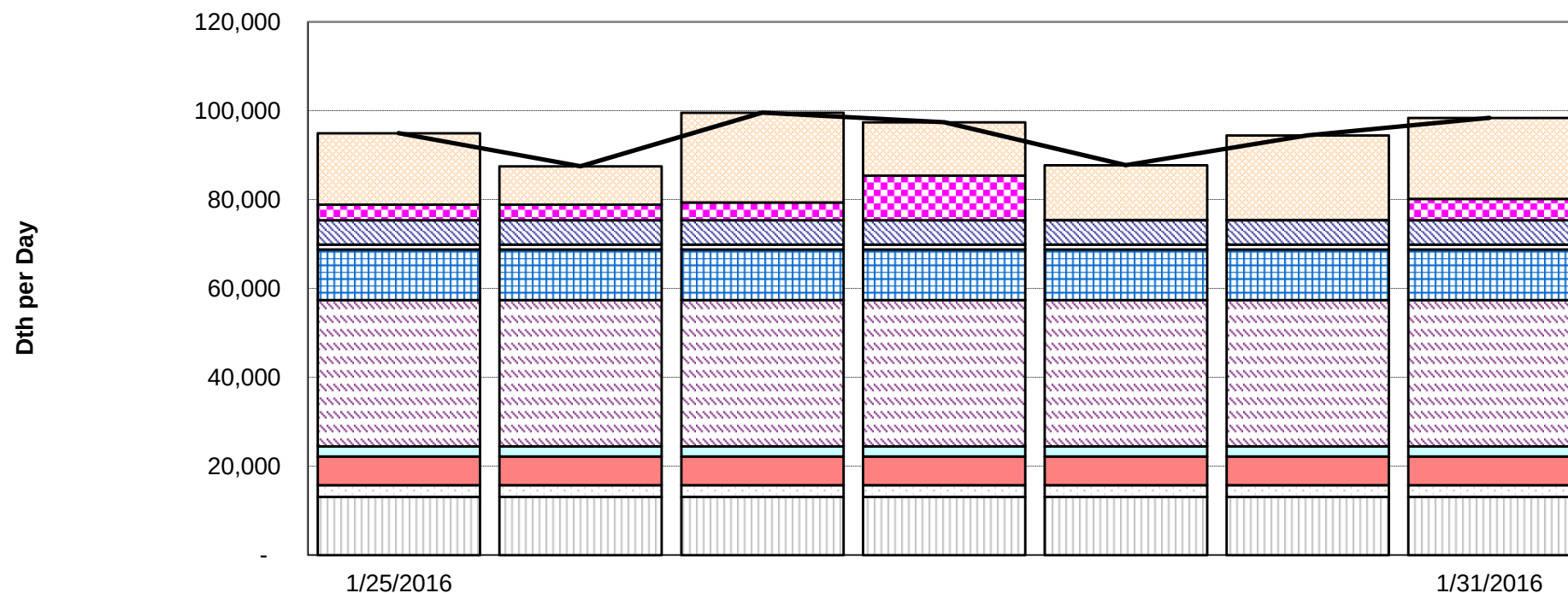
2013-2014 COLD SNAP ANALYSIS (Based on Projected Takes)



2014-2015 COLD SNAP ANALYSIS (Based on Projected Takes)



**2015-2016 COLD SNAP ANALYSIS
(Based on Projected Takes)**



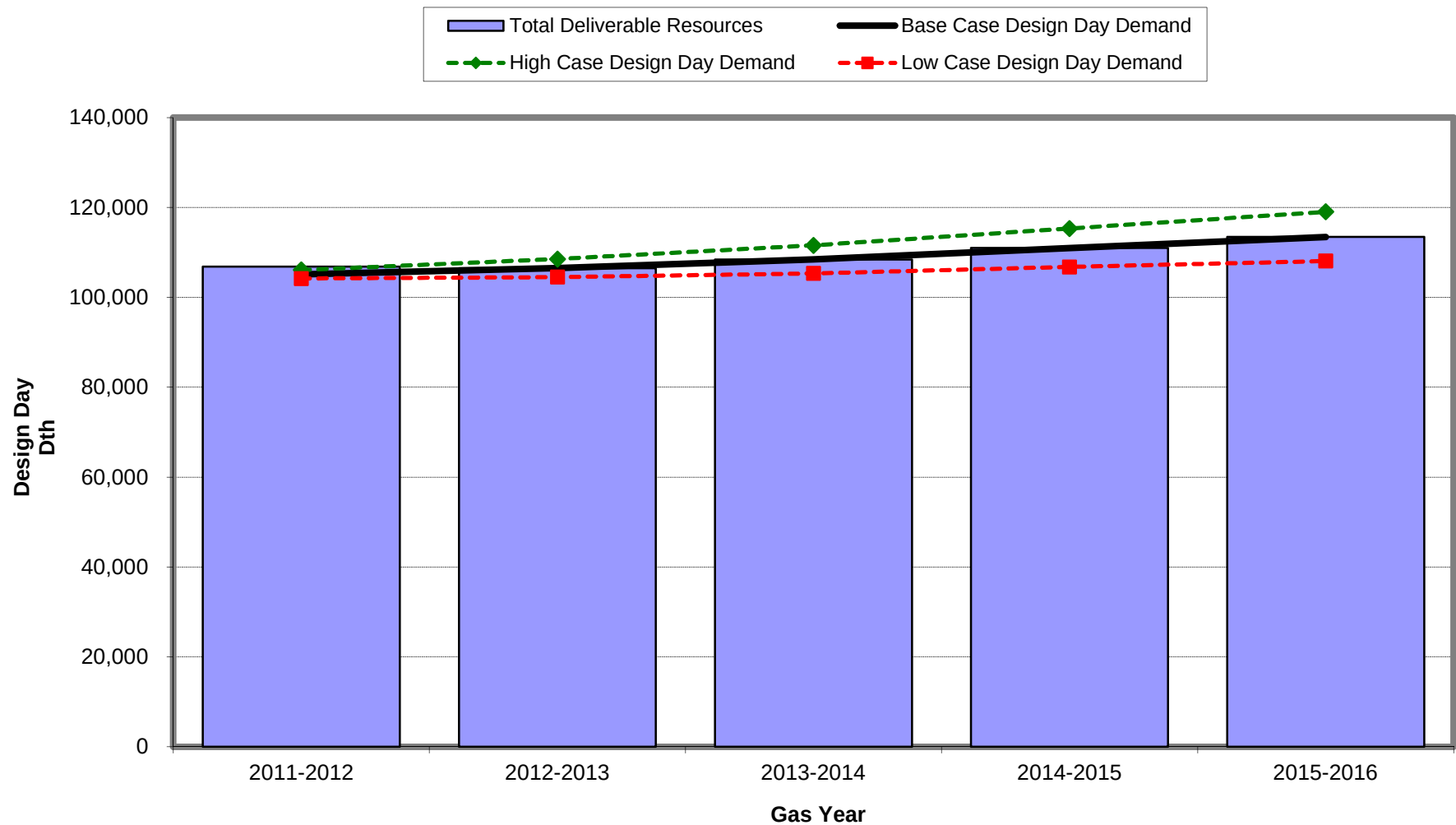
	1/25/2016	1/26/2016	1/27/2016	1/28/2016	1/29/2016	1/30/2016	1/31/2016
Peaking	16,039	8,579	20,162	12,024	12,323	19,049	18,252
LNG	3,520	3,520	3,992	10,000	45	45	4,770
Lewiston Baseload	5,500	5,500	5,500	5,500	5,500	5,500	5,500
PNGTS	1,096	1,096	1,096	1,096	1,096	1,096	1,096
New Resource	11,385	11,385	11,385	11,385	11,385	11,385	11,385
Washington 10	32,884	32,885	32,884	32,885	32,884	32,885	32,885
Niagara	2,332	2,332	2,332	2,332	2,332	2,332	2,332
Chicago	6,434	6,434	6,434	6,434	6,434	6,434	6,434
Tennessee Storage	2,644	2,644	2,644	2,644	2,644	2,644	2,644
Tennessee Production	13,109	13,109	13,109	13,109	13,109	13,109	13,109
Cold Snap Loads	94,943	87,484	99,538	97,408	87,752	94,477	98,406

Appendix VI-10. Preferred Portfolio Design Day Resource Balance

Northern Utilities, Inc.
2011 Integrated Resource Plan
Preferred Portfolio Resource Balance - Design Day (Dth)

Item	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Chicago Path	6,434	6,434	6,434	6,434	0
Dawn Path	0	0	0	0	6,434
Algonquin (TETCO M3 Interconnection)	0	1,251	1,251	1,251	1,251
PNGTS Year-Round	1,096	1,096	1,096	1,096	1,096
Tennessee Niagara	3,282	2,332	2,332	2,332	2,332
Tennessee Long-Haul	13,109	13,109	13,109	13,109	13,109
Washington 10 Path	32,885	32,885	32,885	32,885	32,885
Tennessee FS-MA & 5265	2,644	2,644	2,644	2,644	2,644
Peaking Supply 1	9,965	0	0	0	0
Peaking Supply 2	9,965	0	0	0	0
Peaking Supply 3	11,958	0	0	0	0
Lewiston On-System LNG Production	10,000	10,000	10,000	10,000	10,000
Lewiston Baseload	5,500	0	0	0	0
New Resources (Tennessee Zone 6, Delivered, Lewiston Baseload or Peaking Supplies)	0	36,759	38,677	41,229	43,696
Total Deliverable Resources	106,838	106,510	108,428	110,980	113,447
Maine Division Base Case Design Day Demand	52,353	52,972	53,848	54,959	56,011
New Hampshire Division Base Case Design Day Demand	52,778	53,538	54,580	56,021	57,435
Base Case Design Day Demand	105,131	106,510	108,428	110,980	113,447
Total Deliverable Capacity minus Base Case Design Day Demand	1,707	0	0	0	0
Maine Division High Case Design Day Demand	52,827	53,980	55,412	57,109	58,774
New Hampshire Division High Case Design Day Demand	53,258	54,557	56,164	58,209	60,260
High Case Design Day Demand	106,084	108,537	111,576	115,318	119,034
Total Deliverable Capacity minus High Case Design Day Demand	754	(2,026)	(3,148)	(4,338)	(5,588)
Maine Division Low Case Design Day Demand	51,879	51,974	52,313	52,870	53,353
New Hampshire Division Low Case Design Day Demand	52,299	52,529	53,026	53,896	54,717
Low Case Design Day Demand	104,178	104,503	105,339	106,766	108,071
Total Deliverable Capacity minus Low Case Design Day Demand	2,660	2,007	3,089	4,215	5,376

**Northern Utilities, Inc.
2011 Integrated Resource Plan
Preferred Portfolio Resource Balance - Design Day (Dth)**

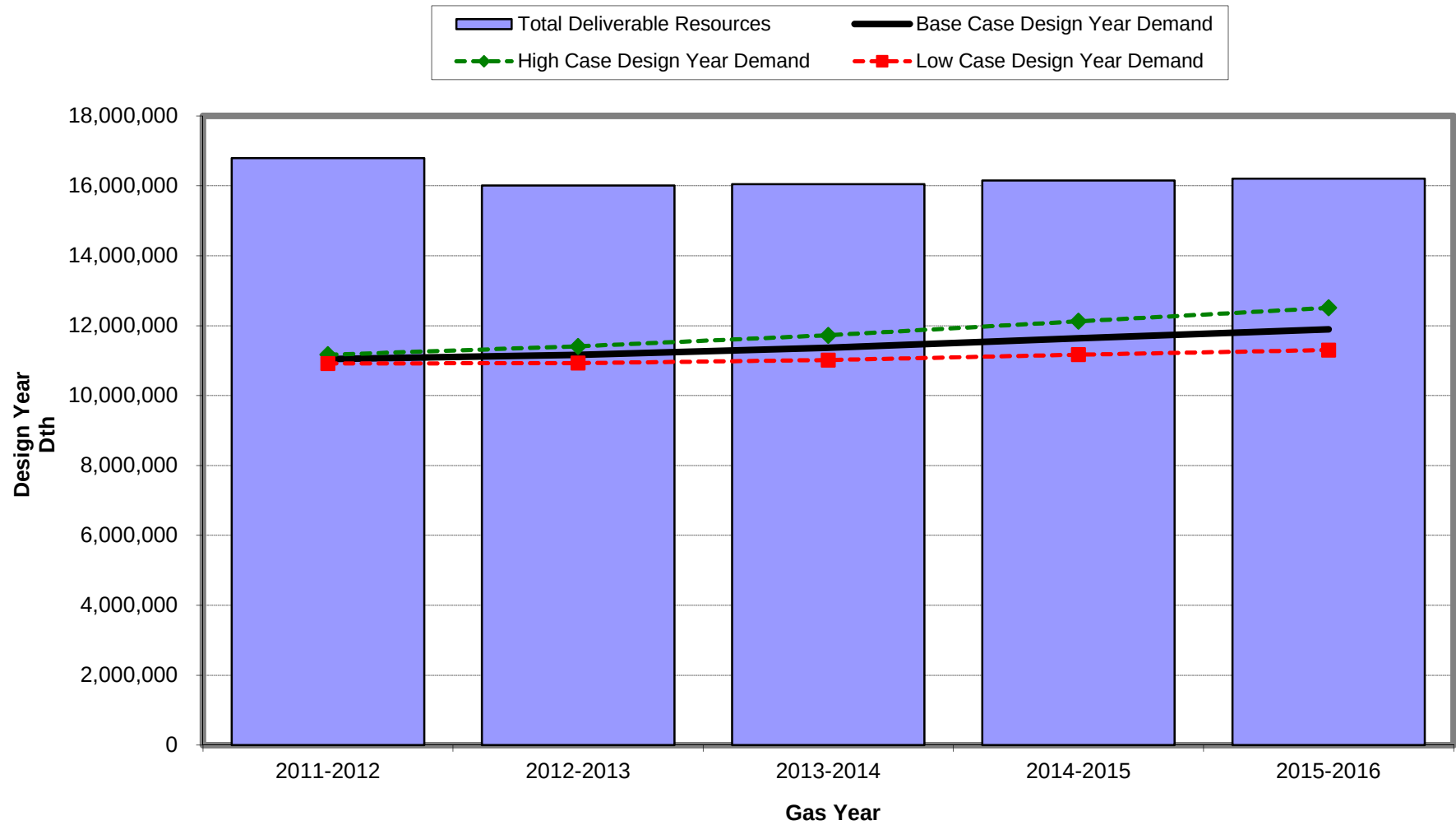


Appendix VI-11. Preferred Portfolio Design Year Resource Balance

Northern Utilities, Inc.
2011 Integrated Resource Plan
Preferred Portfolio Resource Balance - Design Year (Dth)

Item	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Chicago Path	2,348,410	2,348,410	2,348,410	2,348,410	0
Dawn Path	0	0	0	0	2,348,410
Algonquin (TETCO M3 Interconnection)	0	456,615	456,615	456,615	456,615
PNGTS Year-Round	400,040	400,040	400,040	400,040	400,040
Tennessee Niagara	1,197,930	851,180	851,180	851,180	851,180
Tennessee Long-Haul	4,784,785	4,784,785	4,784,785	4,784,785	4,784,785
Washington 10 Path	4,965,635	4,965,635	4,965,635	4,965,635	4,965,635
Tennessee FS-MA & 5265	965,060	965,060	965,060	965,060	965,060
Peaking Supply 1	49,825	0	0	0	0
Peaking Supply 2	49,825	0	0	0	0
Peaking Supply 3	1,076,220	0	0	0	0
Lewiston On-System LNG Production	125,000	137,485	117,370	145,253	125,952
Lewiston Baseload	830,500	0	0	0	0
New Resources (Tennessee Zone 6, Delivered, Lewiston Baseload or Peaking Supplies)	0	1,102,772	1,160,304	1,236,875	1,310,867
Total Deliverable Resources	16,793,230	16,011,982	16,049,399	16,153,854	16,208,544
Maine Division Base Case Design Year Demand	5,279,829	5,332,398	5,415,451	5,524,436	5,624,212
New Hampshire Division Base Case Design Year Demand	5,763,629	5,835,675	5,950,488	6,116,544	6,269,917
Base Case Design Year Demand	11,043,458	11,168,073	11,365,939	11,640,980	11,894,129
Total Deliverable Capacity minus Base Case Design Year Demand	5,749,772	4,843,909	4,683,459	4,512,874	4,314,416
Maine Division High Case Design Year Demand	5,337,234	5,443,678	5,582,865	5,751,027	5,912,361
New Hampshire Division High Case Design Year Demand	5,833,503	5,964,688	6,141,696	6,374,563	6,598,145
High Case Design Year Demand	11,170,737	11,408,366	11,724,561	12,125,590	12,510,506
Total Deliverable Capacity minus High Case Design Year Demand	5,622,493	4,603,617	4,324,838	4,028,263	3,698,039
Maine Division Low Case Design Year Demand	5,222,590	5,222,431	5,251,581	5,304,772	5,347,575
New Hampshire Division Low Case Design Year Demand	5,694,066	5,708,368	5,763,585	5,866,733	5,955,181
Low Case Design Year Demand	10,916,655	10,930,799	11,015,166	11,171,505	11,302,755
Total Deliverable Capacity minus Low Case Design Year Demand	5,876,575	5,081,183	5,034,233	4,982,349	4,905,789

**Northern Utilities, Inc.
2011 Integrated Resource Plan
Preferred Portfolio Resource Balance - Design Year (Dth)**



Appendix VI-12. Preferred Portfolio Design Winter Resource Balance

Northern Utilities, Inc.
2011 Integrated Resource Plan
Preferred Portfolio Resource Balance - Design Winter (Dth)

Item	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Chicago Path	971,534	971,534	971,534	971,534	0
Dawn Path	0	0	0	0	971,534
Algonquin (TETCO M3 Interconnection)	0	188,901	188,901	188,901	188,901
PNGTS Year-Round	165,496	165,496	165,496	165,496	165,496
Tennessee Niagara	495,582	352,132	352,132	352,132	352,132
Tennessee Long-Haul	1,979,459	1,979,459	1,979,459	1,979,459	1,979,459
Washington 10 Path	4,965,635	4,965,635	4,965,635	4,965,635	4,965,635
Tennessee FS-MA & 5265	399,244	399,244	399,244	399,244	399,244
Peaking Supply 1	9,965	0	0	0	0
Peaking Supply 2	9,965	0	0	0	0
Peaking Supply 3	11,958	0	0	0	0
Lewiston On-System LNG Production	125,000	137,485	117,370	145,253	125,952
Lewiston Baseload	830,500	0	0	0	0
New Resources (Tennessee Zone 6, Delivered, Lewiston Baseload or Peaking Supplies)	0	1,102,772	1,160,304	1,236,875	1,310,867
Total Deliverable Resources	9,964,338	10,262,658	10,300,075	10,404,530	10,459,220
Maine Division Base Case Design Winter Demand	4,249,380	4,299,379	4,370,260	4,460,357	4,545,720
New Hampshire Division Base Case Design Winter Demand	3,936,100	3,992,614	4,070,166	4,177,686	4,283,121
Base Case Design Winter Demand	8,185,480	8,291,992	8,440,425	8,638,042	8,828,841
Total Deliverable Capacity minus Base Case Design Winter Demand	1,778,858	1,970,666	1,859,649	1,766,487	1,630,380
Maine Division High Case Design Winter Demand	4,288,119	4,381,455	4,497,503	4,635,199	4,770,260
New Hampshire Division High Case Design Winter Demand	3,972,074	4,068,825	4,188,546	4,341,079	4,494,048
High Case Design Winter Demand	8,260,193	8,450,280	8,686,049	8,976,277	9,264,308
Total Deliverable Capacity minus High Case Design Winter Demand	1,704,145	1,812,378	1,614,025	1,428,252	1,194,912
Maine Division Low Case Design Winter Demand	4,210,641	4,218,078	4,245,437	4,290,507	4,329,714
New Hampshire Division Low Case Design Winter Demand	3,900,125	3,917,121	3,954,036	4,018,948	4,080,187
Low Case Design Winter Demand	8,110,766	8,135,199	8,199,473	8,309,454	8,409,901
Total Deliverable Capacity minus Low Case Design Winter Demand	1,853,572	2,127,459	2,100,602	2,095,075	2,049,319

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