



Alliant Energy Corporate Services
Legal Department
319-786-4505 – Phone
319-786-4533 – Fax

Kent M. Ragsdale
Managing Attorney - Regulatory

October 31, 2013

Dr. Burl W. Haar, Executive Secretary
Minnesota Public Utilities Commission
121 Seventh Place East, Suite 350
St. Paul, MN 55101-2147

RE: Interstate Power and Light Company
Docket No. G001/M-13-579
Supplemental Demand Entitlement Filing

Dear Dr. Haar:

Enclosed for e-filing with the Minnesota Public Utilities Commission, please find Interstate Power and Light Company's Supplemental Demand Entitlement Filing in the above-referenced docket.

Copies of this filing have been served on the Minnesota Department of Commerce, Division of Energy Resources, the Minnesota Office of the Attorney General – Residential and Small Business Utilities Division and the attached service list.

Respectfully submitted,

/s/ Kent M. Ragsdale
Kent M. Ragsdale
Managing Attorney - Regulatory

KMR/tao
Enclosures

cc: Service List

Interstate Power and Light Co.
An Alliant Energy Company

Alliant Tower
200 First Street SE
P.O. Box 351
Cedar Rapids, IA 52406-0351

Office: 1.800.822.4348
www.alliantenergy.com

STATE OF MINNESOTA

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

Beverly Jones Heydinger
David C. Boyd
Nancy Lange
J. Dennis O'Brien
Betsy Wergin

Chair
Commissioner
Commissioner
Commissioner
Commissioner

<p>IN THE MATTER OF INTERSTATE POWER AND LIGHT COMPANY'S ANNUAL DEMAND ENTITLEMENT FILING PURSUANT TO MINN. RULE 7825.2910, SUBP. 2</p>	<p>DOCKET NO. G001/M-13-579</p>
---	---------------------------------

AFFIDAVIT OF SERVICE

STATE OF IOWA)
) ss.
COUNTY OF LINN)

Tonya A. O'Rourke, being first duly sworn on oath, deposes and states:

That on the 31st day of October, 2013, copies of the foregoing Affidavit of Service, together with Interstate Power and Light Company's Supplemental Demand Entitlement Filing, were served upon the parties on the attached service list, by e-filing, overnight delivery, electronic mail, facsimile and/or first-class mail, proper postage prepaid from Cedar Rapids, Iowa.

 /s/ Tonya A. O'Rourke
Tonya A. O'Rourke

Subscribed and Sworn to Before Me
this 31st day of October, 2013.

 /s/ Kathleen J. Faine
Kathleen J. Faine
Notary Public
My Commission Expires on February 20, 2015

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Bobby	Adam	bobby.adam@conagrafoods.com	ConAgra	Suite 5022 11 ConAgra Drive Omaha, NE 68102	Electronic Service	No	OFF_SL_13-579_M-13-579
Christopher	Anderson	canderson@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_13-579_M-13-579
Julia	Anderson	Julia.Anderson@ag.state.mn.us	Office of the Attorney General-DOC	1800 BRM Tower 445 Minnesota St St. Paul, MN 551012134	Electronic Service	Yes	OFF_SL_13-579_M-13-579
William A.	Blazar	bblazar@mnchamber.com	Minnesota Chamber Of Commerce	Suite 1500 400 Robert Street North St. Paul, MN 55101	Electronic Service	No	OFF_SL_13-579_M-13-579
Michael	Bradley	mike.bradley@lawmoss.com	Moss & Barnett	Suite 4800 90 S 7th St Minneapolis, MN 55402-4129	Electronic Service	No	OFF_SL_13-579_M-13-579
City	Clerk	sschulte@city.albertlea.org	City of Albert Lea	221 E Clark St Albert Lea, MN 56007	Electronic Service	No	OFF_SL_13-579_M-13-579
Ian	Dobson	ian.dobson@ag.state.mn.us	Office of the Attorney General-RUD	Antitrust and Utilities Division 445 Minnesota Street, 1400 BRM Tower St. Paul, MN 55101	Electronic Service	No	OFF_SL_13-579_M-13-579
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 500 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_13-579_M-13-579
David	Grover	dgrover@itctransco.com	ITC Midwest	444 Cedar St Ste 1020 Saint Paul, MN 55101-2129	Electronic Service	No	OFF_SL_13-579_M-13-579
Burl W.	Haar	burl.haar@state.mn.us	Public Utilities Commission	Suite 350 121 7th Place East St. Paul, MN 551012147	Electronic Service	Yes	OFF_SL_13-579_M-13-579

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Annete	Henkel	mui@mutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St. Paul, MN 55101	Electronic Service	No	OFF_SL_13-579_M-13-579
Linda	Jensen	linda.s.jensen@ag.state.mn.us	Office of the Attorney General-DOC	1800 BRM Tower 445 Minnesota Street St. Paul, MN 551012134	Electronic Service	No	OFF_SL_13-579_M-13-579
Jim	Krueger	jkrueger@fmcs.coop	Freeborn-Mower Cooperative Services	Box 611 Albert Lea, MN 56007	Electronic Service	No	OFF_SL_13-579_M-13-579
John	Lindell	agorud.ecf@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012130	Electronic Service	Yes	OFF_SL_13-579_M-13-579
Kavita	Maini	kmains@wi.rr.com	KM Energy Consulting LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Electronic Service	No	OFF_SL_13-579_M-13-579
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Paper Service	No	OFF_SL_13-579_M-13-579
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_13-579_M-13-579
Carl	Nelson	cnelson@mncee.org	Center for Energy and Environment	212 3rd Ave N Ste 560 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_13-579_M-13-579
Steven	Nyhus	swnyhus@flaherty-hood.com	Flaherty & Hood PA	525 Park St Ste 470 Saint Paul, MN 55103	Electronic Service	No	OFF_SL_13-579_M-13-579
Kent	Ragsdale	kentagsdale@alliantenergy.com	Alliant Energy-Interstate Power and Light Company	P.O. Box 351 200 First Street, SE Cedar Rapids, IA 524060351	Electronic Service	No	OFF_SL_13-579_M-13-579

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_13-579_M-13-579
Larry L.	Schedin	Larry@LLSResources.com	LLS Resources, LLC	12 S 6th St Ste 1137 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_13-579_M-13-579
Matthew J.	Schuerger P.E.	mjsreg@earthlink.net	Energy Systems Consulting Services, LLC	PO Box 16129 St. Paul, MN 55116	Electronic Service	No	OFF_SL_13-579_M-13-579
Ron	Spangler, Jr.	rlspangler@otpc.com	Otter Tail Power Company	215 So. Cascade St. PO Box 496 Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_13-579_M-13-579
Robyn	Woeste	robynwoeste@alliantenergy.com	Interstate Power and Light Company	200 First St SE Cedar Rapids, IA 52401	Electronic Service	No	OFF_SL_13-579_M-13-579

STATE OF MINNESOTA

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

**Beverly Jones Heydinger
David C. Boyd
Nancy Lange
J. Dennis O'Brien
Betsy Wergin**

**Chair
Commissioner
Commissioner
Commissioner
Commissioner**

**IN THE MATTER OF INTERSTATE
POWER AND LIGHT COMPANY'S
ANNUAL DEMAND ENTITLEMENT
FILING PURSUANT TO MINN. RULE
7825.2910, SUBP. 2**

DOCKET NO. G001/M-13-579

**INTERSTATE POWER AND LIGHT COMPANY'S
SUPPLEMENTAL DEMAND ENTITLEMENT FILING**

COMES NOW, Interstate Power and Light Company (IPL), and hereby submits its Supplemental Demand Entitlement filing pursuant to Minn. Rule 7825.2910, subp. 2.

In support of its filing, IPL states the following:

I. INTRODUCTION

On July 1, 2013, IPL filed a request to change its demand entitlements, effective November 1, 2013, in compliance with Minn. Rule 7825.2910, subp. 2. IPL's petition requests Minnesota Public Utilities Commission (Commission) approval to implement the rate impact of this filing in the Purchased Gas Adjustment (PGA) factor, effective with November 1, 2013 usage.

II. SUPPLEMENTAL INFORMATION

IPL is filing updated information in Supplemental Attachment A, which includes detailed support of this filing. The factors contributing to the need for a

change in demand are revisions in IPL's contracted demand levels with Northern Natural Gas (NNG) due to become effective on November 1, 2013. There is also a revision in the Minnesota allocation of NNG FDD Capacity and Reservation charges as well as the SMS Demand charge due to a very small percentage change in the contracted demand level for the Stacyville, Iowa town border station as compared to the total contracted demand. IPL allocates a small portion of the NNG demand contract charges to Iowa because the Stacyville, Iowa town border station is included in IPL's Minnesota Zone E-F totals in NNG contract number 21264.

III. CONCLUSION

WHEREFORE, IPL respectfully requests the Commission approve this filing in compliance with Minn. Rule 7825.2910, subp. 2.

DATED this 31st day of October, 2013.

Respectfully submitted,

Interstate Power and Light Company

By: /s/ Kent M. Ragsdale

Kent M. Ragsdale
Managing Attorney – Regulatory
Interstate Power and Light Company
Alliant Tower
200 First Street S.E.
P.O. Box 351
Cedar Rapids, Iowa 52406-0351
(319) 786-7765

Per Rule # 7825.2910
Subpart 2. B.

IPL Minnesota Gas
Demand Sales Volumes
FIRM DESIGN DAY

<u>Customer Class</u>	<u>Firm Design Day-Dth</u>	<u>No. of Firm Customers</u>
Residential	8,704	9,465
Commercial	4,139	1,201
Industrial	192	10
TOTAL	13,035	10,676

See Attachment
A Page 4 of 17
for calculations

Per Rule # 7825.2910
Subpart 2. C

IPL Minnesota Gas
Demand Sales Volumes
One Year by Customer Class

Firm
Rate 010

Therms Rate 010	Oct-12	to	Sep-13	Total
	Residential	Commercial	Industrial	
Oct	257,013	173,101	6,923	437,037
Nov	592,839	279,689	12,043	884,571
Dec	1,026,850	464,199	20,759	1,511,808
Jan	1,581,369	751,887	34,814	2,368,070
Feb	1,533,101	744,251	33,566	2,310,918
Mar	1,278,444	603,554	26,565	1,908,563
Apr	961,103	491,371	19,787	1,472,261
May	599,353	266,041	8,437	873,831
Jun	240,655	101,997	3,120	345,772
Jul	155,456	86,570	2,985	245,011
Aug	138,542	77,148	2,582	218,272
Sep	156,822	98,667	3,719	259,208
Annual Vol.	8,521,547	4,138,475	175,300	12,835,322
Winter	6,012,603	2,843,580	127,747	
Summer	2,508,944	1,294,895	47,553	
Total	8,521,547	4,138,475	175,300	12,835,322

1. Peak-day / Design-day study by class for the twelve-months ending one year from the proposed implementation date of the changes.

See Attachment A page 4 of 17.

2. Heating Degree Day (HDD) data for the most recent 12 months ending March 31 or September 30.

	<u>HDD</u>
Oct-12	577
Nov-12	852
Dec-12	1,294
Jan-13	1,510
Feb-13	1,306
Mar-13	1,267
Apr-13	765
May-13	316
Jun-13	55
Jul-13	20
Aug-13	16
Sep-13	103
	<hr style="width: 100%; border: 0.5px solid black;"/>
	8,081

IPL utilizes an 88 HDD to calculate its peak design day. This is the highest HDD experienced over the last 20 years.

3. Historical and Projected Design-Day and Peak Demand Requirements

	(1)	(2)	(3)	(4)	(5)
	Heating Season Identify the upcoming heating season and the past four.	Number of Firm Customers	Design Day Requirement (Dth)	Total Entitlement plus Storage plus Peak Shaving (Dth)	Firm Peak Day Sendout (Dth)
Proposed	13-14	10,676	13,035	14,219	n/a
	12-13	10,608	13,442	14,219	9,912
	11-12	10,649	12,927	17,490	8,412
	10-11	10,583	16,694	17,490	10,242
	09-10	10,583	16,561	17,490	11,973

4. Demand Profile

Type of Capacity or Entitlement	Current Amount Dth	Proposed Change Dth	Proposed Amount Dth	Contract Expiration Date
TF-12 Base	3,377	(1,984)	1,393	10/31/22
TF-12 Variable	6,036	1,984	8,020	10/31/22
TF-5	4,006	0	4,006	10/31/22
TFX	800	0	800	10/31/22
FDD Reservation*	5,984	24	6,008	5/31/17
FDD Capacity*	68,992	280	69,272	5/31/17
SMS *	1,676	6	1,682	10/31/22
SBA *	0	0	0	
TFF*	0	0	0	
Other Storage *	0	0	0	
LP Peak Shaving	0	0	0	
LNG Peak Shaving	0	0	0	
Other	0	0	0	
Heating Season Total	14,219	0	14,219	---
Non-Heating Season Total	9,413	0	9,413	---
Total Capacity	14,219	0	14,219	---

Heating Season Forecasted Design Day	13,442	(407)	13,035	---
Non-Heating Season Forecasted Design Day	n/a	n/a	n/a	---
Heating Season Capacity Surplus/Shortage	777	407	1,184	---
Non-Heating Season Capacity Surplus/Shortage	n/a	n/a	n/a	---

* Not included in total.

9.08% Reserve Margin

INTERSTATE POWER AND LIGHT COMPANY
FIRM PEAK DAY REQUIREMENTS FORECAST
NNG EF - MN

Line	Calculate Model Inputs - Customers*				Calculations	
1	Customers 2009-10	10,648		0.00526		
2	Customers 2012-13	10,704		0.00175		
3	2009-2013 CAGR	0.18%			((line 2 - line 1) / line1)) / 3	
4	Forecasted Total Customers	10,723			line 2*(1+line 3)	
Estimate Design Day Throughput						
5	Years	2008-13	2007-2012	2006-2011	2006-2011	
6	Months	Nov-Mar	Nov-Mar	Nov-Mar	Nov-Mar	
7	Intercept	0.1387	0.1632	0.1922	0.1922	
8	HDD Coefficient	0.0149	0.0147	0.0144	0.0144	
9	R2	0.8736	0.8850	0.8924	0.8924	
10	Design Day HDD	88				
11	Modeled Throughput (Dth)	15,585			(line 7+(line 8 * line 10)) * line 4	
12	Design Day Interruptible (Dth)	2,550			Cell AA57 on 2013 Interruptible tab	
13	Modeled Firm Throughput (Dth)	13,035			(line 11- line12)	
Compare to historical data						
14	Heating Season	<u>2013-12</u>	<u>2011-12</u>	<u>2010-11</u>	<u>2009-10</u>	
15	Peak days	1/31/2013	1/19/2012	02/08/11	01/04/10	
16	Total Customers	10,704	10,663	10,683	10,648	
17	System Gas (Dth)	13,108	11,169	13,259	14,085	
18	Transport (Dth)	646	700	428	147	
19	Throughput (Dth)	12,462	10,469	12,831	13,938	line 17- line 18
20	Weather (HDD)	69	65	70	75	
21	Design Day (HDD)	88	88	88	88	
22	HDD Difference from Design Day	19	23	18	13	(line 21 - line 20)
23	Weather Adjustment to Throughput (Dth)	3,038	3,595	2,769	1,993	(line 22 * line 16 * line 8)
24	Weather Normalized Throughput (Dth)	15,500	14,064	15,600	15,931	(line19+line 23)
25	Interruptible (Dth)	2,550	2,057	3,065	3,004	= line 12
26	WN Firm Throughput (Dth)	12,950	12,007	12,535	12,927	(line 24 - line 25)
27	2013-2014 Firm Throughput Forecast (Dth)	13,035				max(line 13, line 26)
Allocate to classes - Customer						
28	2013 Residential Firm Customers	9,448				
29	2013 Commercial Firm Customers	1,199				
30	2013 Industrial firm Customers	10				
31	2013 Firm Customers	10,657			sum(lines 28,29,30)	
32	2013 Interruptible Customers	47			(line 16 - line 31)	
33	2014 Forecasted Total Customers	10,723			= line 4	
34	2014 Interruptible Customers	47			= line 32	
35	2014 Firm Customers	10,676			(line 4 - line 34)	
36	2014 Firm Residential Customers	9,465			(line 28 / line 31) * line 35	
37	2014 Firm Commercial Customers	1,201			(line 29 / line 31) * line 35	
38	2014 Firm Industrial Customers	10			(line 30 / line 31) * line 35	
Allocate to classes - Design Day Throughput						
39	2013 Residential Jan Sales (Dth)	158,137				
40	2013 Commercial Jan Sales (Dth)	75,189				
41	2013 Industrial Jan Sales (Dth)	3,481				
42	2013 Total Jan Sales (Dth)	236,807			sum(lines 39,40,41)	
43	2014 Residential Throughput (Dth)	8,704			line 39 / line42 * line 27	
44	2014 Commercial Throughput (Dth)	4,139			line 40 /line 42 * line 27	
45	2014 Industrial Throughput (Dth)	192			line 41 / line 42 * line 27	
46	2014 Total Firm Throughput(Dth)	13,035			sum(lines 43,44,45)	
Estimate Reserve Margin						
47	Standard Deviation of Residuals (Dth/customer)	0.0753				
48	95% Critical Value (1 sided)	1.64				
49	Critical Use per customer (Dth/customer)	0.1236			line 47 * line 48	
50	Customers	10,723			line 33	
51	Estimated reserve (Dth)	1,325			line 49* line 50	
52	Design Day Forecast (Dth)	13,035			Line 46	
53	Allowable reserve margin	10.2%			line 51 / line 52	
54	Allowable Peak + reserve (Dth)	14,360				

*Total customers include interruptible

Estimate of MN Interruptible load (Dth)

Customer	Total Summer Base	Daily Avg Base	Weather Sensitive Jan	Weather Sensitive Use/DD	2013 WS Load	Design WS load	Total 2013	Total Design Day
1	0	0	856	0.6	41.6	53.0	42	53
2	0	0	0	0.0	0.0	0.0	0	0
3	0	0	759	0.5	36.9	47.0	37	47
4	0	0	402	0.3	19.5	24.9	20	25
5	254	3	1271	0.9	61.7	78.7	65	82
6	0	0	468	0.3	22.7	29.0	23	29
7	1756	19	1406	1.0	68.3	87.1	87	106
8	18	0	406	0.3	19.7	25.1	20	25
9	740	8	845	0.6	41.1	52.4	49	60
10	5049	55	3638	2.6	176.8	225.4	232	280
11	9296	101	872	0.6	42.4	54.1	143	155
12	0	0	747	0.5	36.3	46.3	36	46
13	4	0	1941	1.4	94.3	120.3	94	120
14	1284	14	1475	1.0	71.6	91.4	86	105
15	0	0	586	0.4	28.5	36.3	28	36
16	6258	68	1081	0.8	52.5	67.0	121	135
17	2482	27	3092	2.2	150.3	191.6	177	219
18	379	4	-128	-0.1	-6.2	-7.9	0	0
19	819	9	424	0.3	20.6	26.2	29	35
20	0	0	314	0.2	15.2	19.4	15	19
21	19	0	1520	1.1	73.9	94.2	74	94
22	175	2	1302	0.9	63.2	80.7	65	83
23	8524	93	1367	1.0	66.4	84.7	159	177
24	4760	52	1279	0.9	62.2	79.3	114	131
25	782	8	906	0.6	44.0	56.2	53	65
26	226	2	1558	1.1	75.7	96.6	78	99
27	0	0	0	0.0	0.0	0.0	0	0
28	120	1	403	0.3	19.6	24.9	21	26
29	0	0	0	0.0	0.0	0.0	0	0
30	0	0	0	0.0	0.0	0.0	0	0
31	1576	17	319	0.2	15.5	19.7	33	37
32	0	0	0	0.0	0.0	0.0	0	0
33	0	0	0	0.0	0.0	0.0	0	0
34	0	0	299	0.2	14.5	18.5	15	19
35	0	0	0	0.0	0.0	0.0	0	0
36	0	0	0	0.0	0.0	0.0	0	0
37	0	0	791	0.6	38.5	49.0	38	49
38	23	0	521	0.4	25.3	32.3	26	33
39	0	0	0	0.0	0.0	0.0	0	0
40	0	0	0	0.0	0.0	0.0	0	0
41	0	0	0	0.0	0.0	0.0	0	0
42	0	0	0	0.0	0.0	0.0	0	0
43	0	0	0	0.0	0.0	0.0	0	0
44	40	0	976	0.7	47.4	60.5	48	61
45	133	1	148	0.1	7.2	9.2	9	11
46	65	1	422	0.3	20.5	26.2	21	27
47	0	0	0	0.0	0.0	0.0	0	0
48	0	0	0	0.0	0.0	0.0	0	0
49	0	0	0	0.0	0.0	0.0	0	0
50	0	0	404	0.3	19.6	25.0	20	25
51	0	0	0	0.0	0.0	0.0	0	0
52	0	0	561	0.4	27.3	34.8	27	35

2,104 2,550

ALBG

Days	Weather (HDD)
Jan	jan 1/31/2013 Design
31	1420 69 88

5. Rate Impact

Please use the following table to illustrate the financial effects of the proposed change, based on the most recent Purchased Gas Adjustment (PGA), the first PGA which implemented the most recently approved demand change, and the last rate case.

Date to implement proposed change: 11/1/2013
 Date of previously filed demand change: 11/1/2012
 Docket No. of previously filed demand change: G001/M-12-737
 Date of last rate case: 5/1/1995
 Docket No. of last rate case: G001/GR-95-406

GENERAL SERVICE (ALL FIRM CUSTOMERS)

Dollars per Dth	Last Rate Case	Last Demand Change	PGA (as filed)	Proposed Changes	Result of Proposed Change			
					Change From Last Rate Case	Change From Last Demand Change	Change From PGA (as filed)	Change From PGA (as filed) \$\$
Date	May-95	Nov-12	Oct-13	Nov-13				
Commodity Cost of Gas (WACOG)	\$2.1346	\$3.7051	\$3.8049	\$4.0281	88.71%	8.72%	5.87%	\$0.2232
Demand Cost of Gas	\$1.1976	\$1.1227	\$1.2378	\$1.2706	6.10%	13.17%	2.65%	\$0.0328
Commodity Margin	\$1.9769	\$1.9769	\$1.9769	\$1.9769	0.00%	0.00%	0.00%	\$0.0000
Total Cost of Gas	\$5.3091	\$6.8047	\$7.0196	\$7.2756	37.04%	6.92%	3.65%	\$0.2560
Average Annual Usage (Dth)	168	95	120	120	(28.57%)	26.32%	0.00%	
Average Annual Demand Cost of Gas	\$201.20	\$106.66	\$148.54	\$152.47	(24.22%)	42.95%	2.65%	\$3.9300
Average Annual Total Cost of Gas	\$892	\$646	\$842	\$873	(2.13%)	35.14%	3.68%	\$31.0000

SMALL VOLUME INTERRUPTIBLE CUSTOMERS

Dollars per Dth	Last Rate Case	Last Demand Change	PGA (as filed)	Proposed Changes	Result of Proposed Change			
					Change From Last Rate Case	Change From Last Demand Change	Change From PGA (as filed)	Change From PGA (as filed) \$\$
Date	May-95	Nov-12	Oct-13	Nov-13				
Commodity Cost of Gas (WACOG)	\$2.1346	\$3.7051	\$3.8049	\$4.0281	88.71%	8.72%	5.87%	\$0.2232
Demand Cost of Gas	\$0.0000	\$0.0000	\$0.0000	\$0.0000	n/a	n/a	n/a	\$0.0000
Commodity Margin	\$0.4620	\$0.4620	\$0.4620	\$0.4620	0.00%	0.00%	0.00%	\$0.0000
Total Cost of Gas	\$2.5966	\$4.1671	\$4.2669	\$4.4901	72.92%	7.75%	5.23%	\$0.2232
Average Annual Usage (Dth)	6,978	7,549	7,328	7,328	5.02%	(2.93%)	0.00%	
Average Annual Demand Cost of Gas	\$0	\$0	\$0	\$0	n/a	n/a	n/a	\$0.00
Average Annual Total Cost of Gas	\$18,119	\$31,457	\$31,268	\$32,903	81.59%	4.60%	5.23%	\$1,635

LARGE VOLUME INTERRUPTIBLE CUSTOMERS

Dollars per Dth	Last Rate Case	Last Demand Change	PGA (as filed)	Proposed Changes	Result of Proposed Change			
					Change From Last Rate Case	Change From Last Demand Change	Change From PGA (as filed)	Change From PGA (as filed) \$\$
Date	May-95	Nov-12	Oct-13	Nov-13				
Commodity Cost of Gas (WACOG)	\$2.1346	\$3.7051	\$3.8049	\$4.0281	88.71%	8.72%	5.87%	\$0.2232
Demand Cost of Gas	\$0.0000	\$0.0000	\$0.0000	\$0.0000	n/a	n/a	n/a	\$0.0000
Commodity Margin	\$0.8085	\$0.8085	\$0.8085	\$0.8085	0.00%	0.00%	0.00%	\$0.0000
Total Cost of Gas	\$2.9431	\$4.5136	\$4.6134	\$4.8366	64.34%	7.16%	4.84%	\$0.2232
Average Annual Usage (Dth)	705,880	0	0	0	(100.00%)	n/a	n/a	
Average Annual Demand Cost of Gas	\$0	\$0	\$0	\$0	n/a	n/a	n/a	\$0.00
Average Annual Total Cost of Gas	\$2,077,475	\$0	\$0	\$0	(100.00%)	n/a	n/a	\$0.00

INTERSTATE POWER COMPANY
 Demand Allocation based on Firm Customers Peak Day
 Per District NNG System Operating Report
 PEAK DAY
31-Jan-13

HEATING SEASON: 2012-2013
 Sales Gas - Firm Only

Minnesota TBSs	Dth	Transported
733-011-01 AL LEA - West	6,951	
733-012-01 AL LEA - North	3,843	
733-014-01 AL LEA - N.E.	0	
733-015-01 AL LEA - #1-C	94	Customer #1
733-016-01 AL LEA - #1-D	13	243
733-020-01 GENEVA	198	
733-022-01 CLARKS GROVE	261	Customer #2
733-023-01 CONGER	71	403
733-025-01 HOLLENDALE	186	
733-091-01 ADAMS	926	
733-101-01 ROSE CREEK	174	
733-116-01 WYKOFF	173	
LYLE	218	
	13,108	646
Interruptible Sales		2550
TOTAL FIRM SENDOUT	9,912	

28-Oct-13

NORTHERN NATURAL GAS COMPANY
EFFECTIVE NOVEMBER 1, 2013
THROUGHPUT ENTITLEMENT PROFILE

Business Development & Marketing
Commercial Support

Utility: **INTERSTATE POWER AND LIGHT COMPANY**

Actual May Through September 2013 Throughput (MMBtu)					
ACCT MO	TF	TI	FDD/IDD*	OTHER	TOTAL
MAY	1,038,942	-	112,914	33,591	1,185,447
JUN	1,294,356	-	999,594	25,745	2,319,695
JUL	1,263,772	-	911,527	26,993	2,202,292
AUG	1,397,116	-	959,032	27,238	2,383,386
SEP	1,245,501	-	905,766	68,280	2,219,547
TOTAL:	6,239,687	-	3,888,833	181,847	10,310,367
					average day = 67,388

		Other: Capacity Release credit		Total
		BP	Seminole	
APPROVED TFX:	7,300		33,591	33,591
APPROVED TF5:	54,359		25,745	25,745
APPROVED TF12:	126,510	240	26,993	26,993
			27,238	27,238
			30,585	30,585
TOTAL:			(Sept includes imbalance to storage credit of 37,695)	144,152
Contract #22252 - Discount Entitlement B/V Split				
		WINTER		SUMMER
		Disc Qty:	18,195	16,817
ALLOCATED TF12B:	67,388	<u>Contract Qty</u>	<u>DiscQty/Tot Qty</u>	<u>B/V Allocation</u>
ALLOCATED TF12V:	59,122	Base	58,165	17.4348%
TOTAL:	126,510	Variable	46,195	17.4348%
			104,360	18,195
				16,817

Used to figure b/v split			
Contract	TF12	TFB	TFV
22252	104,360	58,165	46,195
21264	11,650	3,630	8,020
110235	10,500	5,593	4,907
	126,510	67,388	59,122
TFB =		67,388	126,510

CONTRACT	TFX ENTLMNT	TF5 ENTLMNT	TF12V ENTLMNT	TF12B ENTLMNT	TOTAL ENTLMNT	TFF ENTLMNT
21264	-	4,995	8,020	3,630	16,645	-
22252	WIN Max Entitle	44,849	38,141	48,024	131,014	-
22252	WIN Disc Entitle	15	8,054	10,141	18,210	-
22252	SUM Max Entitle	-	38,751	48,792	87,543	-
22252	SUM Disc Entitle	-	7,444	8,373	18,817	-
110235	-	4,500	4,907	5,593	15,000	-
106082	800	-	-	-	800	-
111302	2,500	-	-	-	2,500	-
120913	4,000	-	-	-	4,000	-
TOTAL:	7,300	54,359	59,122	67,388	188,169	-



Northern Natural Gas Company
Amendment to TF Throughput Service Agreement

Date: 10/16/2012

Shipper Name: INTERSTATE POWER AND LIGHT COMPANY

Contract No.: 21264 (Agreement)

Amendment No.: 62

The above-referenced Agreement is amended as follows:

1. The volume, term, and/or point provisions are amended as follows:
 - a. The primary firm delivery entitlement at CONGER TBS #1 (POI #56070), GENEVA TBS #1 (POI #52784), HOLLANDALE TBS (POI #57396), and MARSHALLTOWN #1A (POI #3601) is increased and the primary firm delivery entitlement at ALBERT LEA #1 (POI #2863), ALBERT LEA #1A (POI #3389), and ALBERT LEA #1C (POI #3391) is decreased.
 - b. The contract maximum daily quantities, primary receipt and delivery points, and terms are set forth on Appendices "A" and "B."
 - c. The Appendices to the Agreement are deleted in their entirety and the Appendices "A" and "B" attached hereto and incorporated herein by reference are substituted therefor. All references to Appendix "A" or Appendix "B" shall be deemed to refer to the Appendices attached hereto.
2. The parties agree that a facsimile or other electronic version of this document, when properly executed and transmitted, shall be considered for all purposes to be an original document, and shall be deemed for all purposes to be signed and constitute a binding agreement. The entire agreement must be faxed or transmitted to Northern. Upon Northern's acceptance and execution, an executed copy will be returned via FAX to the number appearing on the faxed offer or such other number as directed or otherwise electronically transmitted.
3. This Agreement, as amended, constitutes the entire agreement between the parties with respect to the subject matter of this Agreement and shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns. No promises, agreements or warranties additional to this Agreement other than as may be contained in Northern's FERC Gas Tariff will be deemed to be a part of this Agreement nor will any alteration, amendment or modification be effective unless confirmed in writing by the parties.

The effective date of this Amendment is 11/01/2012.

Except as amended herein, all provisions of the Agreement are hereby confirmed by the parties to be and remain in full force and effect.

NORTHERN NATURAL GAS COMPANY

INTERSTATE POWER AND LIGHT COMPANY

By: *Kent Miller*

By:

Title: VP Customer Service & Bus Dev

Title:

Date: 10/16/2012

Date:

Appendix A
Firm Throughput Service Agreement
TF Rate Schedule

Contract No.: 21264
Request No.: 115590
Amendment No.: 62

Shipper: INTERSTATE POWER AND LIGHT COMPANY

Term: 11/01/2012 through 10/31/2015

Contract Volumes (Dth):

MARKET	16,645	November through March
MARKET	11,650	April through October

Maximum Daily Quantities (Dth):

<u>VolumeType</u>	<u>From</u>	<u>Volume</u>
TF5	November through March	4,995
TF12B	January through December	4,194 3,630
TF12V	January through December	2,456 8,020

reallocated per
11/1/13 Throughput
Entitlement Profile

	<u>IA</u>	<u>MN</u>	<u>Total</u>
TF-5	989	4,006	4,995
TF12-B	2,237	1,393	3,630
TF-12-V	—	8,020	8,020
	<u>3,226</u>	<u>13,419</u>	<u>16,645</u>

Appendix A
Firm Throughput Service Agreement
TF Rate Schedule

Contract No.: 21264
Request No.: 115590
Amendment No.: 62

Shipper: INTERSTATE POWER AND LIGHT COMPANY

Term: 11/01/2012 through 10/31/2015

RECEIPT AND DELIVERY POINT DESCRIPTIONS AND VOLUMES (DTH)

R/D	POI # / MIDS	Point Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
R	388 / MID 17	GRLKS/NNG CARLTON	1,370	1,370	1,370	0	0	0	0	0	0	0	1,370	1,370
R	192 / MID 17	NBPL/NNG VENTURA	2,531	2,531	2,531	3,063	3,063	3,063	3,063	3,063	3,063	3,063	2,531	2,531
R	37654 / MID 16 B	NNG FIELD/MKT DEMARCATION -16B	6,949	6,949	6,949	6,875	6,875	6,875	6,875	6,875	6,875	6,875	6,949	6,949
R	98 / MID 17	OGDEN DEF. DELIVERY	4,070	4,070	4,070	0	0	0	0	0	0	0	4,070	4,070
R	1318 / MID 17	TBPL/NNG BEATRICE	1,725	1,725	1,725	1,712	1,712	1,712	1,712	1,712	1,712	1,712	1,725	1,725
		Total Market Area Receipts	16,645	16,645	16,645	11,650	11,650	11,650	11,650	11,650	11,650	11,650	16,645	16,645
D	3076 / MID 17	MN ZONE E-F-INTERSTATE POWER AND LIGHT	13,569	13,569	13,569	9,518	9,518	9,518	9,518	9,518	9,518	9,518	13,569	13,569
D	60226 / MID 17	ZONE ABC- INTERSTATE POWER AND LIGHT	3,076	3,076	3,076	2,132	2,132	2,132	2,132	2,132	2,132	2,132	3,076	3,076
		Total Market Area Deliveries	16,645	16,645	16,645	11,650	11,650	11,650	11,650	11,650	11,650	11,650	16,645	16,645

Appendix B
Firm Throughput Service Agreement
TF Rate Schedule

Contract No.: 21264
Request No.: 115590
Amendment No.: 62

Delivery Point Listing

Shipper: INTERSTATE POWER AND LIGHT COMPANY

Term: 11/01/2012 through 10/31/2015

DELIVERY POINT DESCRIPTION:

MAXIMUM VOLUMES (DTH)

POI #	Delivery Points Served	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MN ZONE E-F-INTERSTATE POWER AND LIGHT													
3425	ADAMS-LEROY	1,200	1,200	1,200	888	888	888	888	888	888	888	1,200	1,200
2863	ALBERT LEA #1	5,523	5,523	5,523	4,444	4,444	4,444	4,444	4,444	4,444	4,444	5,523	5,523
3389	ALBERT LEA #1A	5,064	5,064	5,064	2,963	2,963	2,963	2,963	2,963	2,963	2,963	5,064	5,064
3391	ALBERT LEA #1C	73	73	73	50	50	50	50	50	50	50	73	73
3392	ALBERT LEA #1D	14	14	14	14	14	14	14	14	14	14	14	14
52785	CLARKS GROVE TBS #1	300	300	300	107	107	107	107	107	107	107	300	300
56070	CONGER TBS #1	65	65	65	43	43	43	43	43	43	43	65	65
52784	GENEVA TBS #1	225	225	225	121	121	121	121	121	121	121	225	225
57396	HOLLANDALE TBS	190	190	190	142	142	142	142	142	142	142	190	190
3212	ROSE CREEK #1	261	261	261	288	288	288	288	288	288	288	261	261
⊗ 57395	STACYVILLE TBS	429	429	429	300	300	300	300	300	300	300	429	429
60019	WYKOFF TBS #1	225	225	225	158	158	158	158	158	158	158	225	225
Total MN ZONE E-F-INTERSTATE POWER AND LIGHT		13,569	13,569	13,569	9,518	9,518	9,518	9,518	9,518	9,518	9,518	13,569	13,569
		⊗ (150)	⊗ (150)	⊗ (150)	⊗ (105)	⊗ (105)	⊗ (105)	⊗ (105)	⊗ (105)	⊗ (105)	⊗ (105)	⊗ (150)	⊗ (150)
ZONE ABC- INTERSTATE POWER AND LIGHT		13,419	13,419	13,419	9,413	9,413	9,413	9,413	9,413	9,413	9,413	13,419	13,419
3601	MARSHALLTOWN #1A	3,076	3,076	3,076	2,132	2,132	2,132	2,132	2,132	2,132	2,132	3,076	3,076
Total ZONE ABC- INTERSTATE POWER AND LIGHT		3,076	3,076	3,076	2,132	2,132	2,132	2,132	2,132	2,132	2,132	3,076	3,076
Total		16,645	16,645	16,645	11,650	11,650	11,650	11,650	11,650	11,650	11,650	16,645	16,645
		⊗ 150	⊗ 150	⊗ 150	⊗ 105	⊗ 105	⊗ 105	⊗ 105	⊗ 105	⊗ 105	⊗ 105	⊗ 150	⊗ 150
IA		3,226	3,226	3,226	2,237	2,237	2,237	2,237	2,237	2,237	2,237	3,226	3,226

⊗ 35% Allocated to IA



Northern Natural Gas Company
Amendment to FDD Service Agreement

Date: 08/01/2011

Shipper Name: INTERSTATE POWER AND LIGHT COMPANYY

Contract No.: 22335 (Agreement)

Amendment No.: 17

The above-referenced Agreement is amended as follows:

1. The volume, term, and/or point provisions are amended as follows:

a. The term of the Agreement is extended through 05/31/2017.

b. Appendix "A" to the Agreement is deleted in its entirety and the Appendix "A" attached hereto and incorporated herein by reference is substituted therefor. All references to Appendix "A" shall be deemed to refer to the Appendix "A" attached hereto.

2. Shipper shall pay the maximum tariff rates and charges plus all applicable surcharges in effect from time to time under the FDD Rate Schedule, except the rollover charge per Dth shall be equal to \$0.00 for any volume less than or equal to 5% of the contract FSQ on May 31 of each year through 05/31/2017.

3. The parties agree that a facsimile or other electronic version of this document, when properly executed and transmitted, shall be considered for all purposes to be an original document, and shall be deemed for all purposes to be signed and constitute a binding agreement. The entire agreement must be faxed or transmitted to Northern. Upon Northern's acceptance and execution, an executed copy will be returned via FAX to the number appearing on the faxed offer or such other number as directed or otherwise electronically transmitted.

4. This Agreement, as amended, constitutes the entire agreement between the parties with respect to the subject matter of this Agreement and shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns. No promises, agreements or warranties additional to this Agreement other than as may be contained in Northern's FERC Gas Tariff will be deemed to be a part of this Agreement nor will any alteration, amendment or modification be effective unless confirmed in writing by the parties.

The effective date of this Amendment is 06/01/2012.

Except as amended herein, all provisions of the Agreement are hereby confirmed by the parties to be and remain in full force and effect.

NORTHERN NATURAL GAS COMPANYY

By: *Kent Miller*

Title: VP Customer Service & Bus Dev

Date: 08/01/2011

INTERSTATE POWER AND LIGHT COMPANYY

By: *Bill Zorr*

Title:

Date:

**BILL ZORR - CHIEF ENERGY RISK
MANAGEMENT & TRADING OFFICER**

Jme

Appendix A
Firm Deferred Delivery Service Agreement
Rate Schedule FDD

Contract No.: 22335
Request No.: 103656
Amendment No.: 17

Term: 06/01/2012 through 05/31/2017

Shipper: INTERSTATE POWER AND LIGHT COMPANY

Firm Storage Quantity (FSQ): 350,000 Dth \div 5 months = 70,000/month Storage Points:
Option: 3-Step Option POI #98 OGDEN DEF. DELIVERY

Account Balance Parameters:

Injection Period
Shipper's account balance may not be greater than 232,750 on August 31.

Withdrawal Period
Shipper's account balance may not be less than 140,000 on January 31.

Shipper's account balance may not be greater than 87,500 on March 1.

Daily Maximum FDQ:

Period	Daily Maximum Injection FDQ	Daily Maximum Withdrawal FDQ
June	2,763	1,545
July	3,266	1,545
August	3,642	1,932
September	3,852	2,318
October	3,852	2,318

Period	Daily Maximum Withdrawal FDQ	Daily Maximum Injection FDQ
November	6,071	1,406
December	6,071	1,406
January	6,071	1,406
February 1-14	6,071	1,406
February 15-28	3,182	1,406
March	3,182	1,406
April	1,884	703
May	Overrun (Interruptible)	Overrun (Interruptible)

Iowa Allocation of Demand Charges

Contract 21264 MN Zone E-F 13,569
Contract 106082 MN TFX 800
14,369

Iowa Portion in Contract 21264 MN Zone E-F 150

Percent Allocation to IA of MN Zone E-F Demand 1.04%

	FDD Reservation	FDD Capacity	SMS Demand
	6,071	70,000	1,700.
IA Allocation 1.04%	63	728	18
MN Allocation	6,008	69,272	1,682



Final
Reservation Invoice

Billable Party:	006940522 INTERSTATE POWER AND LIGHT COMPANY ADEWALE ONABULE 4902 NORTH BILTMORE LANE MADISON, WI 537182132	Remit to Party:	Northern Natural Gas Company P.O. Box 3330 Customer Services Omaha, NE 68103-0330	Statement Date/Time:	June 28, 2013 04:16 PM
Sup Doc Ind:	Invoice	Payee:	784158214	Contact Name:	Karen Draeger
Svc Req Name:	INTERSTATE POWER AND LIGHT COMPANY	Invoice Date:	JULY 01, 2013	Contact Phone:	(402) 398-7493
Svc Req K:	22335	Account Number:	1245	Invoice Identifier:	RC00061306132112
Svc Cd:	FD	Charge Indicator:	D	Net Due Date:	JULY 11, 2013
Rate Schedule:	FDD	Invoice Total Amount: \$35,374.69			
Svc Req:	006940522				
Beginning Transaction Date: June 01, 2013		Ending Transaction Date: June 30, 2013			

Line No	Rec Loc	Rec Prop (POI)	Rec Zn	Location Name	Rep Pty ID	Repl Rel Cd	Del Loc	Del Prop (POI)	Del Zn	Location Name	Beg/End Tran Date	Acct Adj Mthd	Charge Type	TT	Base	Charge Disc	Type Rate	Net	Qty	Amount Due
001											01 30		CAP	01	0.3567	0.0000		0.3567	70,000	24,969.00
002											01 30		STR	01	1.7140	0.0000		1.7140	5,071	10,405.69
Location Indicator Code Value: XXXXXXXX																				
Total:																			76,071	\$35,374.69

Request for reallocation must be made in writing to Northern within 6 months of initial month end allocation. For this invoice, the deadline is January 01, 2014.
Measurement corrections must be processed within six months of the production month.

Late Payment Charges are assessed on past due balances paid after the invoice due date.

The base rates were approved June 20, 2005 in Docket Nos. RP03-398 and RP04-155.

Acct Adj. Method:
RES - Restatement
REV - Reversal

Chrg Type:
CAP - Storage Capacity Charge STR - Storage Reservation Charge

TT:
01 - Current Business

Location Indicator:
XXXXXXXX - No point or zone information



Final
Reservation Invoice

Billable Party:	006940522 INTERSTATE POWER AND LIGHT COMPANY ADEWALE ONABULE 4902 NORTH BILTMORE LANE MADISON, WI 537182132	Remit to Party:	Northern Natural Gas Company P.O. Box 3330 Customer Services Omaha, NE 68103-0330	Statement Date/Time:	June 28, 2013 04:16 PM
Sup Doc Ind:	Invoice	Payee:	784158214	Contact Name:	Karen Draeger
				Contact Phone:	(402) 398-7493
Svc Req Name:	INTERSTATE POWER AND LIGHT COMPANY	Invoice Date:	JULY 01, 2013	Invoice Identifier:	RC00061306132143
Svc Req K:	21264	Account Number:	1245	Net Due Date:	JULY 11, 2013
Svc Cd:	FT	Charge Indicator:	D	Invoice Total Amount: \$69,912.95	
Rate Schedule:	TF				
Svc Req:	006940522				
Beginning Transaction Date: June 01, 2013		Ending Transaction Date: June 30, 2013			

Line No	Rec Loc	Rec Prop (POI)	Rec Zn	Location Name	Rep Pty ID	Repl Rel Cd	Del Loc	Del Prop (POI)	Del Zn	Location Name	Beg/End Tran Date	Acct Adj Mthd	Charge Type	TT	Base	Charge Type Rate Disc	Net	Qty	Amount Due
001											01 30		RTB	01	5.6830	0.0000	5.6830	4,179	23,749.26
002											01 30		RTV	01	5.6830	0.0000	5.6830	7,471	42,457.69
003											01 30		STC	01	2.1800	0.0000	2.1800	1,700	3,706.00
Location Indicator Code Value: XXXXXXXX																			
Total:																			
13,350 \$69,912.95																			

Request for reallocation must be made in writing to Northern within 6 months of initial month end allocation. For this invoice, the deadline is January 01, 2014.
Measurement corrections must be processed within six months of the production month.

Late Payment Charges are assessed on past due balances paid after the invoice due date.

The base rates were approved June 20, 2005 in Docket Nos. RP03-398 and RP04-155.

Acct Adj. Method:
RES - Restatement
REV - Reversal

Chrg Type:
CAR - Flow Obligation Surcharge (Carlton) CBR - Flow Obligation Buyout (Carlton) CRC - Flow Obligation Credit (Carlton) CRP - Flow Obligation Refund/Payout (Carlton) RDF - Reservation Deliverability - Field RDM - Reservation Deliverability - Market RER - Excess Receipt Capacity RF5 - Reservation - Peak RTB - Reservation - Market Base RTV - Reservation - Market Variable SBC - System Balancing Charge STC - Scheduling Tolerance Charge

TT:
01 - Current Business

Location Indicator:
XXXXXXX - No point or zone information