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Michael S. Greiveldinger
Senior Attorney

Interstate Power and Light Co.
An Alliant Energy Company

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

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October 30, 2014

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-14-560
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 accordance with Minnesota Rule 7825.2910, subpart 2.

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/ Michael S. Greiveldinger
Michael S. Greiveldinger
Senior Attorney

MSG/kcb
Enclosures

cc: Service List

STATE OF MINNESOTA

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

**Beverly Jones Heydinger
David C. Boyd
Nancy Lange
Dan Lipschultz
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-14-560

AFFIDAVIT OF SERVICE

STATE OF IOWA)
) ss.
COUNTY OF LINN)

Kathleen C. Balvanz, being first duly sworn on oath, deposes and states:

That on the 30th day of October, 2014, 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/ Kathleen C. Balvanz

Kathleen C. Balvanz

Subscribed and Sworn to Before Me
this 30th day of October, 2014.

/s/ Kathleen J. Faine

Kathleen J. Faine

Notary Public

My Commission Expires on February 20, 2015

[illegible]

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_14-560_M-14-560
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_14-560_M-14-560
Paula	Johnson	paulajohnson@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_14-560_M-14-560
Jim	Krueger	jkrueger@fmcs.coop	Freeborn-Mower Cooperative Services	Box 611 Albert Lea, MN 56007	Electronic Service	No	OFF_SL_14-560_M-14-560
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_14-560_M-14-560
Kavita	Maini	kmmaini@wi.rr.com	KM Energy Consulting LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Electronic Service	No	OFF_SL_14-560_M-14-560
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_14-560_M-14-560
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_14-560_M-14-560
Carl	Nelson	cnelson@mncee.org	Center for Energy and Environment	212 3rd Ave N Ste 560 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_14-560_M-14-560
Steven	Nyhus	swnyhus@flaherty-hood.com	Flaherty & Hood PA	525 Park St Ste 470 Saint Paul, MN 55103	Electronic Service	No	OFF_SL_14-560_M-14-560

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_14-560_M-14-560
Larry L.	Schedin	Larry@LLSResources.com	LLS Resources, LLC	12 S 6th St Ste 1137 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_14-560_M-14-560
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_14-560_M-14-560
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_14-560_M-14-560
Robyn	Woeste	robynwoeste@alliantenergy.com	Interstate Power and Light Company	200 First St SE Cedar Rapids, IA 52401	Electronic Service	No	OFF_SL_14-560_M-14-560

STATE OF MINNESOTA

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

**Beverly Jones Heydinger
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**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-14-560

**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, 2014, IPL filed a request to change its demand entitlements, effective November 1, 2014, 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, 2014 usage.

II. SUPPLEMENTAL INFORMATION

IPL is filing updated information in Supplemental Attachment A, which includes detailed support for 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 Company due to become effective on November 1, 2014.

III. CONCLUSION

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

DATED this 30th day of October, 2014.

Respectfully submitted,

Interstate Power and Light Company

By: /s/ Michael S. Greiveldinger
Michael S. Greiveldinger
Senior Attorney
Interstate Power and Light Company
4902 N. Biltmore Lane
Madison, Wisconsin 53718
(608) 458-3318

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	8,624	9,477
Commercial	4,101	1,203
Industrial	190	10
TOTAL	12,915	10,690

See Attachment A
Page 4 of 13
for calculations

IPL Minnesota Gas
Demand Sales Volumes
One Year by Customer Class
Firm
Rate 010

Therms	Oct-13	to	Sep-14	
Rate 010	Residential	Commercial	Industrial	Total
Oct	228,272	116,116	6,336	350,724
Nov	680,733	450,730	11,915	1,143,378
Dec	1,420,438	736,991	30,518	2,187,947
Jan	1,999,144	957,055	45,347	3,001,546
Feb	1,754,244	868,915	40,424	2,663,583
Mar	1,445,364	683,311	32,273	2,160,948
Apr	863,568	377,922	17,077	1,258,567
May	530,861	259,831	38,149	828,841
Jun	237,021	112,471	30,507	379,999
Jul	149,654	90,526	25,033	265,213
Aug	134,451	93,300	23,155	250,906
Sep	167,508	87,395	28,837	283,740
Annual Vol.	9,611,258	4,834,563	329,571	14,775,392
Winter	7,299,923	3,697,002	160,477	
Summer	2,311,335	1,137,561	169,094	
Total	9,611,258	4,834,563	329,571	14,775,392

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 13.

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

	<u>HDD</u>
Oct-13	510
Nov-13	1,034
Dec-13	1,582
Jan-14	1,753
Feb-14	1,605
Mar-14	1,281
Apr-14	649
May-14	262
Jun-14	12
Jul-14	22
Aug-14	1
Sep-14	158
	<u>8,869</u>

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 14-15	10,690	12,915	14,219	n/a
13-14	10,676	13,035	14,219	11,230
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

4. Demand Profile

Type of Capacity or Entitlement	Current Amount Dth	Proposed Change Dth	Proposed Amount Dth	Contract Expiration Date
TF-12 Base	1,393	1,749	3,142	10/31/22
TF-12 Variable	8,020	(1,749)	6,271	10/31/22
TF-5	4,006	0	4,006	10/31/22
TFX	800	0	800	10/31/22
FDD Reservation*	6,008	0	6,008	5/31/17
FDD Capacity*	69,272	0	69,272	5/31/17
SMS *	1,682	0	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	13,035	(120)	12,915	---
Non-Heating Season Forecasted Design Day	n/a	n/a	n/a	---
Heating Season Capacity Surplus/Shortage	1,184	120	1,304	---
Non-Heating Season Capacity Surplus/Shortage	n/a	n/a	n/a	---

* Not included in total.

10.10% Reserve Margin

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

Supplemental Attachment A
Page 4 of 13

new line Calculate Model Inputs - Customers*

1 Customers 2010-11	10,683
2 Customers 2013-14	10,714
3 2010-2014 CAGR	0.10%
4 Initial Forecasted Total Customers	10,724
5 Gas expansion	22
6 Final Forecasted Total Customers	10,746

Calculations

((line 2 - line 1) / line1)) / 3
line 2*(1+line 3)

line 4+line 5

Estimate Design Day Throughput

7 Years	2009-14	2008-13	2007-2012	2006-2011	2006-2011
8 Months	Nov-Mar	Nov-Mar	Nov-Mar	Nov-Mar	Nov-Mar
9 Intercept	0.06781	0.1387	0.1632	0.1922	0.1922
10 HDD Coefficient	0.01495	0.0149	0.0147	0.0144	0.0144
11 Wind Coefficient	0.00557				
12 R2	0.90101	0.8736	0.8850	0.8924	0.8924
13 Design Day HDD	86				
14 Design Day Wind	7				
15 Modeled Throughput (Dth)	14,961				
16 Design Day Interruptible (Dth)	2,276				
17 Modeled Firm Throughput (Dth)	12,685				

(line 9+(line 10 * line 13)+(line11*line14)) * line 6
Cell BZ60 on 2014 Interruptible tab
(line 15- line16)

Compare to historical data

18 Heating Season	<u>2014-13</u>	<u>2013-12</u>	<u>2011-12</u>	<u>2010-11</u>	<u>2009-10</u>
19 Peak days	01/06/14	01/31/13	01/19/12	02/08/11	01/04/10
20 Total Customers	10,714	10,704	10,663	10,683	10,648
21 System Gas (Dth)	14,432	13,108	11,169	13,259	14,085
22 Transport (Dth)	926	646	700	428	147
23 Throughput (Dth)	13,506	12,462	10,469	12,831	13,938
24 Weather (HDD)	79	69	68	73	75
25 Wnd (MPH)	9	13	4	8	4
26 Design Day Temp (HDD)	86	86	86	86	86
27 Design Day Wind (MPH)	7	7	7	7	7
28 HDD Difference from Design Day	7	17	18	13	11
29 Wind Difference from Design Day	(2)	(6)	3	(1)	3
30 Weather Adjustment to Throughput (Dth)	1,002	2,362	3,047	2,016	1,929
31 Weather Normalized Throughput (Dth)	14,508	14,824	13,516	14,847	15,867
32 Interruptible (Dth)	2,276	2,503	2,022	3,012	2,952
33 WN Firm Throughput (Dth)	12,232	12,321	11,494	11,835	12,915

line 21- line 22

(line 26 - line 24)
(line 27 - line 25)
((line 28 * line 10 of col C + line 29 * line 11 of col C) * line 20)
(line 23 +line 30)
= line 16
(line 31 - line 32)

34 2013-2014 Firm Throughput Forecast (Dth)

12,915

max(line 17, line 33)

Allocate to classes - Customer

35 2014 Residential Firm Customers	9,448
36 2014 Commercial Firm Customers	1,199
37 2014 Industrial firm Customers	10
38 2014 Firm Customers	10,657
39 2014 Interruptible Customers	57
40 2015 Forecasted Total Customers	10,746
41 2015 Interruptible Customers	57
42 2015 Firm Customers	10,689
43 2015 Firm Residential Customers	9,477
44 2015 Firm Commercial Customers	1,203
45 2015 Firm Industrial Customers	10

sum(lines 35,36,37)
(line 20 - line 38)

= line 6
= line 39
(line 6 - line 41)

(line 35 / line 38) * line 42
(line 36 / line 38) * line 42
(line 37 / line 38) * line 42

Allocate to classes - Design Day Throughput

46 2014 Residential Jan Sales (Dth)	158,137
47 2014 Commercial Jan Sales (Dth)	75,189
48 2014 Industrial Jan Sales (Dth)	3,481
49 2014 Total Jan Sales (Dth)	236,807
50 2015 Residential Throughput (Dth)	8,624
51 2015 Commercial Throughput (Dth)	4,101
52 2015 Industrial Throughput (Dth)	190
53 2015 Total Firm Throughput(Dth)	12,915

sum(lines 46,47,48)

line 46 / line 49 * line 34
line 46 /line 49 * line 34
line 47 / line 48 * line 34
sum(lines 50,51,52)

Estimate Reserve Margin

54 Standard Deviation of Residuals (Dth/customer)	0.0655
55 95% Critical Value (1 sided)	1.64
56 Critical Use per customer (Dth/customer)	0.1074
57 Customers	10,746
58 Estimated reserve (Dth)	1,154
59 Design Day Forecast (Dth)	12,915
60 Recomend reserve margin	8.9%
61 Recomend Peak + reserve (Dth)	14,069

line 54 * line 55
line 40
line 56* line 57
Line 34
line 58 / line 59
line 58+ line 59

*Total customers include interruptible

Estimate of MN Interruptible load (Dth)

Zone	Customer	Total Summer Base	Daily Avg Base	Weather Sensitive Jan	Weather Sensitive Use/DD	2014 WS Load	Design WS load	Total 2014	Total Design Day
8G	1	0	0	866	0.5	39	42.7	39	43
8G	2	0	0	0	0.0	-	0.0	0	0
8G	3	17	0	480	0.3	22	23.7	22	24
8G	4	0	0	442	0.3	20	21.8	20	22
8G	5	5216	57	4215	2.4	191	207.8	248	265
8G	6	1593	17	3234	1.9	147	159.5	164	177
8G	7	278	3	0	0.0	-	0.0	0	0
8G	8	674	7	716	0.4	32	35.3	40	43
8G	9	0	0	377	0.2	17	18.6	17	19
8G	10	4468	49	2828	1.6	128	139.5	177	188
8G	11	0	0	0	0.0	-	0.0	0	0
8G	12	64	1	407	0.2	18	20.1	19	21
8G	13	0	0	0	0.0	-	0.0	0	0
8G	14	0	0	0	0.0	-	0.0	0	0
8G	15	866	9	866	0.5	39	42.7	49	52
8G	16	0	0	0	0.0	-	0.0	0	0
8G	17	0	0	0	0.0	-	0.0	0	0
8G	18	0	0	491	0.3	22	24.2	22	24
8G	19	12	0	461	0.3	21	22.8	21	23
8G	20	0	0	53	0.0	2	2.6	2	3
8G	21	0	0	419	0.2	19	20.7	19	21
8G	22	109	1	162	0.1	7	8.0	9	9
8G	23	33	0	557	0.3	25	27.4	26	28
8G	24	0	0	0	0.0	-	0.0	0	0
8G	25	0	0	0	0.0	-	0.0	0	0
8G	26	0	0	742	0.4	34	36.6	34	37
9G	27	27	0	654	0.4	30	32.2	30	33
9G	28	25	0	352	0.2	16	17.4	16	18
9G	29	103	1	1369	0.8	62	67.5	63	69
9G	30	0	0	288	0.2	13	14.2	13	14
9G	31	1063	12	2163	1.2	98	106.7	110	118
9G	32	414	4	1036	0.6	47	51.1	51	56
9G	33	3317	36	4684	2.7	212	231.0	248	267
9G	34	6336	69	3591	2.1	163	177.1	232	246
9G	35	117	1	478	0.3	22	23.6	23	25
9G	36	0	0	1617	0.9	73	79.7	73	80
9G	37	860	9	223	0.1	10	11.0	19	20
9G	38	146	2	707	0.4	32	34.9	34	36
9G	39	3351	36	2524	1.4	114	124.5	151	161
9G	40	563	6	306	0.2	14	15.1	20	21
9G	41	53	1	1334	0.8	60	65.8	61	66
9G	42	0	0	0	0.0	-	0.0	0	0
9G	43	0	0	720	0.4	33	35.5	33	36
9G	44	0	0	0	0.0	-	0.0	0	0
9G	45	0	0	0	0.0	-	0.0	0	0
9G	46	0	0	0	0.0	-	0.0	0	0
9G	47	0	0	303	0.2	14	14.9	14	15

Zone 8G	926	996
Zone 9G	1,190	1,280
total	2,117	2,276

ALBG		Weather (HDD)	
Days	Jan	1/6/2014	Design
31	1744	79	86

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: 11/1/2014
Date of previously filed demand change: 11/1/2013
Docket No. of previously filed demand change: G001/M-13-579
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-13	Oct-14	Nov-14				
Commodity Cost of Gas (WACOG)	\$2.1346	\$4.0281	\$4.2015	\$4.1857	96.09%	3.91%	(0.38%)	(\$0.0158)
Demand Cost of Gas	\$1.1976	\$1.2706	\$0.9739	\$0.9520	(20.51%)	(25.07%)	(2.25%)	(\$0.0219)
Commodity Margin	\$1.9769	\$1.9769	\$1.9769	\$1.9769	0.00%	0.00%	0.00%	\$0.0000
Total Cost of Gas	\$5.3091	\$7.2756	\$7.1523	\$7.1146	34.01%	(2.21%)	(0.53%)	(\$0.0377)
Average Annual Usage (Dth)	168	120	137	137	(18.45%)	14.17%	0.00%	
Average Annual Demand Cost of Gas	\$201.20	\$152.47	\$133.42	\$130.42	(35.18%)	(14.46%)	(2.25%)	(\$3.00)
Average Annual Total Cost of Gas	\$892	\$873	\$980	\$975	9.30%	11.68%	(0.51%)	(\$5.00)

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-13	Oct-14	Nov-14				
Commodity Cost of Gas (WACOG)	\$2.1346	\$4.0281	\$4.2015	\$4.1857	96.09%	3.91%	(0.38%)	(\$0.0158)
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	\$4.4901	\$4.6635	\$4.6477	78.99%	3.51%	(0.34%)	(\$0.0158)
Average Annual Usage (Dth)	6,978	7,549	8,077	8,077	15.75%	6.99%	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	\$33,896	\$37,667	\$37,539	107.18%	10.75%	(0.34%)	(\$128.00)

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-13	Oct-14	Nov-14				
Commodity Cost of Gas (WACOG)	\$2.1346	\$4.0281	\$4.2015	\$4.1857	96.09%	3.91%	(0.38%)	(\$0.0158)
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	\$4.8366	\$5.0100	\$4.9942	69.69%	3.26%	(0.32%)	(\$0.0158)
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
6-Jan-14

HEATING SEASON: 2013-2014
Sales Gas - Firm Only

Minnesota TBSs		Dth	Transported
733-011-01	AL LEA - West	7,387	Customer #1
733-012-01	AL LEA - North	4,532	
733-014-01	AL LEA - N.E.	0	
733-015-01	AL LEA - #1-C	106	
733-016-01	AL LEA - #1-D	17	491
733-020-01	GENEVA	218	Customer #2
733-022-01	CLARKS GROVE	284	
733-023-01	CONGER	83	
733-025-01	HOLLENDALE	214	
733-091-01	ADAMS	1,018	
733-101-01	ROSE CREEK	179	
733-116-01	WYKOFF	174	
	LYLE	220	
		14,432	926
Interruptible Sales			2276
TOTAL FIRM SENDOUT		11,230	
3 STATE TOTAL FIRM		11,230	

21-Oct-14

**NORTHERN NATURAL GAS COMPANY
EFFECTIVE NOVEMBER 1, 2014
THROUGHPUT ENTITLEMENT PROFILE**

Business Development & Marketing
Commercial Support

Utility: **INTERSTATE POWER AND LIGHT COMPANY-21264**

Actual May Through September 2014 Throughput (MMBtu)					
ACCT MO	TF	TI	FDD/IDD	OTHER	TOTAL
MAY	118,164		693		118,857
JUN	91,171	-	44,340		135,511
JUL	94,707	-	77,797		172,504
AUG	88,164	-	72,075		160,239
SEP	94,116	-	59,595		153,711
TOTAL:	486,322	-	254,500	-	740,822
average day =					4,842

APPROVED TFX:	0
APPROVED TF5:	4,995
APPROVED TF12:	11,650
TOTAL:	16,645

ALLOCATED TF12B:	4,842
ALLOCATED TF12V:	6,808
TOTAL:	11,650

CONTRACT	TFX ENTLMNT	TF5 ENTLMNT	TF12V ENTLMNT	TF12B ENTLMNT	TOTAL ENTLMNT
21264	-	4,995	6,808	4,842	16,645
		-			-
		-			-
TOTAL:	-	4,995	6,808	4,842	16,645



Northern Natural Gas Company
Amendment to TF Throughput Service Agreement

Date: 11/08/2013

Shipper Name: INTERSTATE POWER AND LIGHT COMPANY

Contract No.: 21264 (Agreement)

Amendment No.: 64

The above-referenced Agreement is amended as follows:

1. Pursuant to Northern's FERC Gas Tariff, Sixth Revised Volume No. 1, Rate Schedule TF, Section 8, Sheet Nos. 114 and 115, Shipper's MDQ for TF12 Base entitlement and TF12 Variable entitlement have been adjusted in accordance with the Appendix "A" attached hereto.
2. Shipper represents that the volumes that were delivered to Shipper's FDD, PDD or IDD Service Agreement(s) during the summer period are or will be ultimately delivered to the Shipper's Town Border Stations or delivery points under this Agreement.
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 11/01/2013.

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: *No Signature Required*

Title:

Date:

By: *No Signature Required*

Title:

Date:

Appendix A
Firm Throughput Service Agreement
TF Rate Schedule

Contract No.: 21264
Request No.: 127648
Amendment No.: 64

Shipper: INTERSTATE POWER AND LIGHT COMPANY

Term: 11/01/2013 through 10/31/2015

Contract Volumes (Dth):

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

Maximum Daily Quantities (Dth):

VolumeType

From

Volume

TF5

November through March

4,995

TF12B

January through December

~~3,630~~ 4,842

TF12V

January through December

~~8,020~~ 6,808

reallocated per
11/1/14 Through put
Entitlement Profile

	IA	MN	Total
TF-5	989	4,006	4,995
TF 12-B	1,700	3,142	4,842
TF 12-V	537	6,271	6,808
	3,226	13,419	16,645

Appendix A
Firm Throughput Service Agreement
TF Rate Schedule

Contract No.: 21264
Request No.: 127648
Amendment No.: 64

Shipper: INTERSTATE POWER AND LIGHT COMPANY

Term: 11/01/2013 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.: 127648
Amendment No.: 64

Delivery Point Listing

Shipper: INTERSTATE POWER AND LIGHT COMPANY

Term: 11/01/2013 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 MN	1,200	1,200	1,200	888	888	888	888	888	888	888	1,200	1,200
2863	ALBERT LEA MN #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 MN #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 MN #1C	73	73	73	50	50	50	50	50	50	50	73	73
3392	ALBERT LEA MN #1D	14	14	14	14	14	14	14	14	14	14	14	14
52785	CLARKS GROVE MN #1	300	300	300	107	107	107	107	107	107	107	300	300
56070	CONGER MN #1	65	65	65	43	43	43	43	43	43	43	65	65
52784	GENEVA MN #1	225	225	225	121	121	121	121	121	121	121	225	225
57396	HOLLANDALE MN	190	190	190	142	142	142	142	142	142	142	190	190
3212	ROSE CREEK MN #1	261	261	261	288	288	288	288	288	288	288	261	261
57395	STACYVILLE IA	429	429	429	300	300	300	300	300	300	300	429	429
60019	WYKOFF MN #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 IA #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
		150	150	150	105	105	105	105	105	105	105	150	150
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
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 Iowa