

**STATE OF INDIANA**

**INDIANA UTILITY REGULATORY COMMISSION**

**PETITION OF NORTHERN INDIANA PUBLIC )  
SERVICE COMPANY LLC FOR APPROVAL OF )  
(1) A FUEL COST ADJUSTMENT TO BE )  
APPLICABLE DURING THE BILLING CYCLES )  
OF AUGUST, SEPTEMBER, AND OCTOBER ) CAUSE NO. 38706-FAC-123  
2019, PURSUANT TO IND. CODE § 8-1-2-42 )  
AND CAUSE NO. 44688, AND (2) )  
RATEMAKING TREATMENT FOR THE COSTS )  
INCURRED UNDER WHOLESALE PURCHASE )  
AND SALE AGREEMENTS FOR WIND )  
ENERGY APPROVED IN CAUSE NO. 43393 )  
AND FOR THE COSTS OF RECOVERABLE )  
INTERRUPTIBLE CREDITS, PURSUANT TO )  
IND. CODE § 8-1-2-42(d). )**

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**VERIFIED PETITION**

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Northern Indiana Public Service Company LLC (“NIPSCO” or “Petitioner”) petitions the Indiana Utility Regulatory Commission (“Commission”) for approval of (1) a fuel cost adjustment to be applicable for bills rendered during the billing cycles of August, September, and October 2019, or until replaced by a different fuel cost adjustment that is approved in a subsequent filing, pursuant to Ind. Code § 8-1-2-42 and Cause No. 44688, and (2) ratemaking treatment for the costs incurred under wholesale purchase and sale agreements for wind energy approved in Cause No. 43393 and for the costs of Recoverable Interruptible

Credits, pursuant to Ind. Code § 8-1-2-42(d). In accordance with 170 IAC 1-1.1-8 and 1-1.1-9, Petitioner submits the following information in support of this petition.

**Petitioner's Corporate and Regulated Status**

1. NIPSCO is a limited liability company organized and existing under the laws of the State of Indiana with its principal office and place of business at 801 East 86th Avenue, Merrillville, Indiana. Petitioner renders electric public utility service in the State of Indiana and owns, operates, manages and controls, among other things, plant and equipment within the State of Indiana used for the generation, transmission, distribution and furnishing of such service to the public. Petitioner is a "public utility" under Ind. Code § 8-1-2-1 and is subject to the jurisdiction of this Commission in the manner and to the extent provided by the Public Service Commission Act, as amended, and other pertinent laws of the State of Indiana.

**Relief Sought by Petitioner**

2. In this proceeding, NIPSCO requests Commission approval of a fuel cost adjustment to be applicable and made effective for bills rendered by NIPSCO during the billing cycles of August, September, and October 2019, or until replaced by a different fuel cost adjustment that is approved in a subsequent filing, pursuant to provisions of the Public Service Commission Act, as amended.

3. In this proceeding, NIPSCO also requests approval of ratemaking treatment for costs incurred under wholesale purchase and sale agreements for wind energy approved in the Commission's July 24, 2008 Order in Cause No. 43393.

4. In addition, pursuant to the Commission's July 18, 2016 Order in Cause No. 44688, NIPSCO seeks recovery of twenty-five percent (25%) of the credits paid to customers during the billing months of January, February, and March 2019 pursuant to NIPSCO's Rider 775 – Interruptible Industrial Service ("Recoverable Interruptible Credits").

5. A clean and redlined version of Appendix B – Fuel Cost Adjustment reflecting the proposed fuel cost adjustment of \$(0.002830) per kilowatt hour for customers billed under Rate Schedules 711, 720, 721, 722, 723, 724, 725, 726, 732, 733, 734, 741, 742, 744, 750, 755 and 760, and Rider 776, is attached to the Verified Direct Testimony of Katherine A. Cherven as Attachment 1-E.

6. Petitioner's cost of fuel is based upon the estimated average fuel cost for the three (3) months of July, August, and September 2019, the difference between the estimated incremental fuel cost billed and the incremental fuel cost actually experienced by Petitioner for the months of January, February, and March 2019, the wind curtailment settlement, and the actual Recoverable Interruptible

Credits for the months of January, February, and March 2019, and is estimated to be \$0.028261 [SCHEDULE 1, PAGE 1, LINE 35] per kilowatt hour. The fuel cost adjustment modified for the recovery of Indiana Utility Receipts Tax on Retail Sales and Adjusted Gross Income Tax, will be \$(0.002830) per kilowatt hour for customers billed under Rate Schedules 711, 720, 721, 722, 723, 724, 725, 726, 732, 733, 734, 741, 742, 744, 750, 755 and 760, and Rider 776 [SCHEDULE 1, PAGE 1, LINE 38] applied to bills rendered by Petitioner during the billing cycles of August, September, and October 2019 which begins July 31, 2019. The fuel cost adjustment, upon becoming effective, shall remain in effect for approximately three (3) months or until replaced by a different fuel cost adjustment that is approved in a subsequent filing. The estimated cost data supporting the fuel cost adjustment proposed herein is shown in the Schedules attached hereto.

7. Petitioner's current fuel cost adjustment approved in Cause No. 38706-FAC-122 applicable to bills rendered by Petitioner during the billing months of May, June, and July 2019 is \$(0.001999) per kilowatt hour for customers billed under Rate Schedules 711, 720, 721, 722, 723, 724, 725, 726, 732, 733, 734, 741, 742, 744, 750, 755 and 760, and Rider 776.

8. Petitioner has made every reasonable effort to acquire fuel and generate, purchase power, or both so as to provide electricity to its retail customers

at the lowest fuel cost reasonably possible. The actual increases in fuel cost through March 2019, the latest month for which actual fuel costs are available, have not been offset by actual decreases in other operating expenses. The fuel cost adjustment proposed herein will not result in Petitioner earning a return in excess of the return authorized by the July 18, 2016 Order in Cause No. 44688 and further adjusted for the return realized during the Reconciliation Period from the Environmental Cost Recovery Mechanism ("ECRM") approved in Cause No. 42150 and subsequent ECRM Adjustment filings (42150-ECR-XX), the Federally Mandated Cost Adjustment ("FMCA") Mechanism approved in Cause No. 44340 and subsequent FMCA filings (44340-FMCA-XX), and the Transmission, Distribution and Storage System Improvement Charge ("TDSIC") approved in Cause No. 44733 and subsequent TDSIC filings (44733-TDSIC-X).

9. Petitioner's estimate of prospective average fuel costs for the three (3) calendar months of August, September, and October 2019 are reasonable after taking into consideration: (i) the actual fuel costs experienced by Petitioner during the latest three (3) calendar months for which actual fuel costs are available, and (ii) the estimated fuel costs for said latest three (3) calendar months. Petitioner continues to monitor its estimation procedures, as described in its supporting testimony in this proceeding.

10. The Commission has not ordered any changes to the Purchased Power Benchmark approved in Cause No. 43526, which found that each day, on a prospective basis, a “Benchmark” is established based upon a generic gas turbine (“GT”), using a generic GT heat rate of 12,500 btu/kwh using the Platt’s Gas Daily Midpoint price for Chicago City Gate, plus a \$0.17/mmbtu gas transport charge for a generic gas-fired GT, which is then utilized to determine whether Petitioner incurred any Purchase Power Non Recoverable amounts (“Purchased Power Benchmark”). Attachment 2-A to the Verified Direct Testimony of Benjamin J. Turner shows the daily calculations of January, February, and March 2019. Applying the Purchased Power Benchmark to Petitioner’s purchased power transactions included in this proceeding, Petitioner is not requesting recovery of any non-recoverable purchased power costs in excess of the Purchased Power Benchmark for the months of January, February, and March 2019.

11. In its June 30, 2009 Order in Cause No. 43665, the Commission found that each day, on a prospective basis, a “Benchmark” is established based upon a generic GT, using a generic GT heat rate of 12,500 btu/kwh, using the Henry Hub Gas prompt month price plus \$0.60/mmbtu gas transport charge for a generic gas-fired GT, which is then utilized to determine whether Petitioner incurred any Contestable Real-Time Revenue Sufficiency Guarantee (“RSG”) amounts (“RSG Benchmark”). Attachment 2-B to the Verified Direct Testimony of Benjamin J.

Turner shows the daily calculations of January, February, and March 2019. Applying the RSG Benchmark to Petitioner's RSG charges included in this proceeding, Petitioner is not requesting recovery of any Contestable Real-Time RSG amounts for the months of January, February, and March 2019.

12. The books and records of Petitioner supporting such data, calculation and allegations are available for inspection and review by the Indiana Office of Utility Consumer Counselor and the Commission.

13. The fuel cost adjustment will be applied to bills rendered by Petitioner during the billing cycles of August, September, and October 2019, which begins July 31, 2019. To accommodate this billing date, NIPSCO respectfully requests that the Commission hold a hearing on or before July 10, 2019 and issue an order in this matter by July 24, 2019.

#### **Applicable Law**

14. Petitioner considers the provisions of the Public Service Commission Act, as amended, including Ind. Code §§ 8-1-1-8 and 8-1-2-42, to be applicable to the subject matter of this Petition and believes that such traditional statutes provide the Commission authority to approve the requested relief.

**Petitioner's Counsel**

15. The names and addresses of persons authorized to accept service of papers in this proceeding are:

**Counsel of Record:**

Bryan M. Likins (No. 29996-49)  
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**With a copy to:**

Alison M. Becker  
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WHEREFORE, Northern Indiana Public Service Company LLC respectfully requests that the Commission promptly publish notice, make such other investigation and hold such hearings as are necessary or advisable on or before July 10, 2019 in this Cause and thereafter, make and enter an order in this Cause by July 24, 2019:

(a) Authorizing and approving the fuel cost adjustment set forth in Paragraph 6 herein to become effective for bills rendered by NIPSCO during the billing cycles of August, September, and October 2019 or until replaced by a different fuel cost adjustment that is approved in a subsequent filing;



(b) Approving Petitioner's Appendix B – Fuel Cost Adjustment set forth in the Verified Direct Testimony of Katherine A. Cherven as Attachment 1-E, which contains the fuel cost adjustment to become effective for bills rendered by NIPSCO during the billing cycles of August, September, and October 2019.

(c) Approving NIPSCO's proposed ratemaking treatment for costs incurred under wholesale purchase and sale agreements for wind energy approved in the Commission's July 24, 2008 Order in Cause No. 43393;


(d) Approving recovery of twenty-five percent (25%) of Recoverable Interruptible Credits paid to customers during the billing months of January, February, and March 2019 pursuant to NIPSCO's Rider 775 – Interruptible Industrial Service;

(e) Issuing such order by July 24, 2019; and

(f) Making such other and further findings and orders in the premises as the Commission may deem appropriate and proper.

Dated this 20<sup>th</sup> day of May, 2019.

Northern Indiana Public Service Company LLC




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Michael Hooper  
Senior Vice President  
Regulatory, Legislative Affairs and Strategy

**Verification**

I affirm under penalties for perjury that the foregoing representations are true to the best of my knowledge, information, and belief.

Dated: May 20, 2019.



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Michael Hooper  
Senior Vice President  
Regulatory, Legislative Affairs and Strategy

Bryan M. Likins (No. 29996-49)  
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Attorney for Petitioner  
Northern Indiana Public Service Company LLC

## CERTIFICATE OF SERVICE

The undersigned hereby certifies that the foregoing was served by email transmission upon the following:

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A courtesy copy has also been provided by email transmission upon the following:

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Dated this 20<sup>th</sup> day of May, 2019.



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Bryan M. Likins

**NORTHERN INDIANA PUBLIC SERVICE COMPANY**

Determination of Fuel Cost Charge Factor  
For the Billing Months of

AUGUST 2019, SEPTEMBER 2019 and OCTOBER 2019

LINE NO.	DESCRIPTION	Based on the Estimated Average of				ESTIMATED THREE MONTH AVERAGE FOR THE BILLING MONTHS OF AUGUST 2019, SEPTEMBER 2019 and OCTOBER 2019	LINE NO.
		JULY 2019	AUGUST 2019	SEPTEMBER 2019	TOTAL		
	<b><u>SOURCE - MWH</u></b>						
1	Steam Generation	702,517	679,297	637,197	2,019,011	673,004	1
2	Nuclear Generation	-	-	-	-	-	2
3	Hydro Generation	3,406	2,321	1,910	7,637	2,546	3
	Other Generation						
4	Combined Cycle Unit	344,365	337,367	342,416	1,024,148	341,383	4
5	Gas Combustion Turbines	13,265	9,026	7,913	30,204	10,068	5
6	Purchases through MISO	539,880	540,015	410,801	1,490,696	496,899	6
	Purchased Power other than MISO						
7	FIT Purchases	10,500	10,500	10,500	31,500	10,500	7
8	Wind Energy Purchases	13,116	13,639	21,157	47,912	15,971	8
9	Other	-	-	-	-	-	9
	Less:						
10	Energy Losses and Company Use	83,838	82,029	73,791	239,658	79,886	10
11	Intersystem Sales through MISO	-	-	-	0	0	11
12	Intersystem Sales other than MISO	-	-	-	-	-	12
13	Jurisdictional Sales not Subject to FAC	6,519	6,519	6,519	19,557	6,519	13
14	<b>TOTAL SALES (\$)</b>	<b>1,536,692</b>	<b>1,503,617</b>	<b>1,351,584</b>	<b>4,391,893</b>	<b>1,463,966</b>	14
	<b><u>FUEL COST</u></b>						
15	Steam Generation [a]	\$ 16,759,530	\$ 16,314,389	\$ 15,283,182	\$ 48,357,101	\$ 16,119,034	15
16	Nuclear Generation	-	-	-	-	-	16
17	Hydro Generation	-	-	-	-	-	17
	Other Generation						
18	Combined Cycle Unit	6,671,260	6,606,666	6,582,993	19,860,919	6,620,306	18
19	Gas Combustion Turbines	571,083	389,897	337,710	1,298,690	432,897	19
20	Purchases through MISO	17,120,862	15,512,276	12,041,170	44,674,308	14,891,436	20
21	MISO Components of Cost of Fuel	1,483,399	1,483,399	1,483,399	4,450,197	1,483,399	21
	Purchased Power other than MISO						
22	FIT Purchases	1,548,967	1,548,967	1,548,967	4,646,901	1,548,967	22
23	Wind Energy Purchases	695,345	721,184	1,122,954	2,539,483	846,494	23
24	Other	-	-	-	-	-	24
	Less:						
25	Intersystem Sales through MISO	-	-	-	-	-	25
26	Intersystem Sales other than MISO	-	-	-	-	-	26
27	Jurisdictional Sales not Subject to FAC	173,750	168,248	168,067	510,065	170,022	27
28	Wind PPA Adjustment	16,180	16,180	16,180	48,540	16,180	28
29	Purchase Power Benchmark Adjustment	13,666	3,181	-	16,847	5,616	29
30	<b>TOTAL FUEL COST (F)</b>	<b>\$ 44,646,850</b>	<b>\$ 42,389,169</b>	<b>\$ 38,216,128</b>	<b>\$ 125,252,147</b>	<b>\$ 41,750,715</b>	30
31	<b>FUEL COST (mills/kwh)</b>					<b>28.519</b>	31
	MONTHS TO BE RECONCILED:	<u>JANUARY 2019</u>	<u>FEBRUARY 2019</u>	<u>MARCH 2019</u>	<u>TOTAL</u>		
32	FUEL COST VARIANCE - UNDER/(OVER) COLLECTION	\$ (590,494)	\$ (4,268,302)	\$ (3,008,999)	\$ (7,867,795)		32
32a	CREDIT FROM EARNINGS TEST				\$ -		32a
32b	WIND CURTAILMENT SETTLEMENT				\$ 3,487,500		32b
32c	<b>SUBTOTAL LINES 32 + 32a + 32b</b>				<b>\$ (4,380,295)</b>		32c
	VARIANCE FACTOR - LINE 32c DIVIDED BY ESTIMATED INDIANA JURISDICTIONAL SALES OF 4,391,893 MWH (mills/kwh)					(0.997)	33
34	RECOVERABLE INTERRUPTIBLE CREDIT FACTOR(mills/kwh) (Sch 8)					0.739	34
35	ADJUSTED FUEL COST FACTOR (mills/kwh) (Line 31 + Line 33 + Line 34)					28.261	35
36	LESS BASE COST OF FUEL IN RATES (mills/kwh)					31.049	36
37	FUEL COST CHARGE FACTOR (mills/kwh) (Line 35 - Line 36)					(2.788)	37
38	FUEL COST CHARGE FACTOR ADJUSTED FOR URTRS and AGIT (mills/kwh) [b]					(2.830)	38

Notes:

[a] Contains Account No. 151 charges only

[b] Adjustment for Utility Receipts Tax on Retail Sales (URTRS) of 1.4% grossed up for Adjusted Gross Income Tax.

**NORTHERN INDIANA PUBLIC SERVICE COMPANY**

Determination of Net Energy Cost of Purchased Power  
For the Estimated Months of

JULY 2019, AUGUST 2019 and SEPTEMBER 2019

And the Billing Months of

AUGUST 2019, SEPTEMBER 2019 and OCTOBER 2019

LINE NO.	SUPPLIER	MWH PURCHASED	ENERGY *	LINE NO.
<b>JULY 2019</b>				
1	Purchases through MISO	539,880	\$ 17,120,862	1
2	MISO Components of Cost of Fuel	-	1,483,399	2
	Purchased Power Other than MISO			
3	FIT Purchases	10,500	1,548,967	3
4	Wind Energy Purchases	13,116	695,345	4
5	Other	-	-	5
6	TOTAL	<u>563,496</u>	<u>\$ 20,848,573</u>	6
<b>AUGUST 2019</b>				
7	Purchases through MISO	540,015	\$ 15,512,276	7
8	MISO Components of Cost of Fuel	-	1,483,399	8
	Purchased Power Other than MISO			
9	FIT Purchases	10,500	1,548,967	9
10	Wind Energy Purchases	13,639	721,184	10
11	Other	-	-	11
12	TOTAL	<u>564,154</u>	<u>\$ 19,265,826</u>	12
<b>SEPTEMBER 2019</b>				
13	Purchases through MISO	410,801	\$ 12,041,170	13
14	MISO Components of Cost of Fuel	-	1,483,399	14
	Purchased Power Other than MISO			
15	FIT Purchases	10,500	1,548,967	15
16	Wind Energy Purchases	21,157	1,122,954	16
17	Other	-	-	17
18	TOTAL	<u>442,458</u>	<u>\$ 16,196,490</u>	18
19	Total Net Energy Cost of Other Purchased Power	<u>1,570,108</u>	<u>\$ 56,310,889</u>	19

\* Demand Charges have not been estimated.

**NORTHERN INDIANA PUBLIC SERVICE COMPANY**

Determination of Fuel Costs Recovered Through  
Intersystem and Jurisdictional Sales not Subject to FAC by Month  
For the Estimated Months of

JULY 2019, AUGUST 2019 and SEPTEMBER 2019

And the Billing Months of

AUGUST 2019, SEPTEMBER 2019 and OCTOBER 2019

LINE NO.	PURCHASER	MWH SOLD	FUEL COST *	LINE NO.
<b>JULY 2019</b>				
1	Intersystem Sales through MISO	-	\$ -	1
2	Intersystem Sales other than MISO	-	-	2
3	Jurisdictional Sales not Subject to FAC	6,519	173,750	3
4	Wind PPA Adjustment	-	16,180	4
5	Purchase Power Benchmark Adjustment	-	13,666	5
6	TOTAL	6,519	\$ 203,596	6
<b>AUGUST 2019</b>				
7	Intersystem Sales through MISO	-	\$ -	7
8	Intersystem Sales other than MISO	-	-	8
9	Jurisdictional Sales not Subject to FAC	6,519	168,248	9
10	Wind PPA Adjustment	-	16,180	10
11	Purchase Power Benchmark Adjustment	-	3,181	11
12	TOTAL	6,519	\$ 187,609	12
<b>SEPTEMBER 2019</b>				
13	Intersystem Sales through MISO	-	\$ -	13
14	Intersystem Sales other than MISO	-	-	14
15	Jurisdictional Sales not Subject to FAC	6,519	168,067	15
16	Wind PPA Adjustment	-	16,180	16
17	Purchase Power Benchmark Adjustment	-	-	17
18	TOTAL	6,519	\$ 184,247	18
19	Total Net Energy Cost of Purchased Power	19,557	\$ 575,452	19

\* Demand Charges have not been estimated.

**NORTHERN INDIANA PUBLIC SERVICE COMPANY**  
**RECONCILIATION OF ACTUAL INCREMENTAL COST OF FUEL**  
**INCURRED TO APPLICABLE INCREMENTAL RETAIL FUEL CLAUSE**  
**FOR THE MONTH OF**  
**JANUARY 2019**

LINE NO.	CLASS OF CUSTOMER	SALES (MWH) (a)	BASE COST OF FUEL IN RATES (MILLS/KWH) (b)	ACTUAL COST OF FUEL INCURRED (c)	ACTUAL INCREMENTAL COST OF FUEL (Col c-b) (d)	ACTUAL INCREMENTAL COST OF FUEL BILLED INCLUDING URTRS (e)	ACTUAL INCREMENTAL COST OF FUEL BILLED EXCLUDING URTRS (f)	RECOVERABLE INTERRUPTIBLE CREDIT FROM CAUSE NO. 38706-FAC120 (g)	VARIANCE FROM CAUSE NO. 38706-FAC120 (h)	REVENUES TO BE RECONCILED WITH INCREMENTAL COST OF FUEL INCURRED (Col i-g-h) (i)	FUEL COST VARIANCE (Col d-i) (j)	LINE NO.
1	RESIDENTIAL	301,436	9,359,288	\$ 8,867,953	\$ (491,335)	\$ 274,683	\$ 270,460	\$ 249,275	\$ 406,991	\$ (385,806)	\$ (105,529)	1
2	COMMERCIAL	314,643	9,769,358	9,256,490	(512,868)	286,013	281,617	260,197	424,823	(403,403)	(109,466)	2
3	INDUSTRIAL	692,982	21,516,384	20,386,824	(1,129,560)	631,310	621,608	573,067	935,646	(887,105)	(242,455)	3
4	LIGHTING	5,365	166,580	157,834	(8,746)	4,888	4,812	4,437	7,244	(6,869)	(1,877)	4
5	PUBLIC AUTHORITY	1,917	59,523	56,398	(3,125)	1,746	1,719	1,585	2,588	(2,454)	(671)	5
6	RAILROAD	2,109	65,475	62,037	(3,438)	1,921	1,891	1,744	2,847	(2,700)	(738)	6
7	TOTAL RETAIL SALES SUBJECT TO FAC:	1,318,452	\$ 40,936,608	\$ 38,787,536	\$ (2,149,072)	\$ 1,200,561	\$ 1,182,107	\$ 1,090,305	\$ 1,760,139	\$ (1,688,337)	\$ (460,735)	7
8	LESS: CONTESTABLE RSG ADJUSTMENT										\$ 125,804	8
9	LESS: Base Cost of Fuel Adjustment										\$ 3,955	9
10	TOTAL UNDER/(OVER) COLLECTION										\$ (590,494)	10
11	RETAIL SALES NOT SUBJECT TO FAC:											
12	BACK UP AND MAINTENANCE	11,123		\$ 381,577								
13	COMPANY USE	1,539		\$ 44,726								
14	CUSTOMER BUY THROUGH	3,348		\$ 318,987								
15	ELECTRIC VEHICLES OFF PEAK	-		\$ -								
16	STREET LIGHTING (800 SERIES)	-		\$ -								
17	TOTAL RETAIL SALES NOT SUBJECT TO FAC:	16,010		\$ 745,290								
18	SUBTOTAL (Line 7 + Line 16)	1,334,462		\$ 39,532,826								
19	UNBILLED SALES	(56,476)										
20	SUBTOTAL BOOKED	1,277,986										
21	COMPANY LOAD (Line 17 + Line 18)											
22	PURCHASED POWER ADJUSTMENT			\$ -								
23	WIND PPA ADJUSTMENT			\$ 49								
24	SALES FOR RESALE	-		\$ -								
25	INTERSYSTEM SALES	7		\$ 3,596								
26	TOTAL NON-JURISDICTIONAL SALES	7		\$ 3,645								
27	TOTAL BOOKED SALES (Line 20 + Line 25)	1,277,993		\$ 39,536,471								

**Interruptible Credit to be Recovered**

To be recovered in FAC (25%)

\$ 1,084,623.75

**NORTHERN INDIANA PUBLIC SERVICE COMPANY**  
**RECONCILIATION OF ACTUAL INCREMENTAL COST OF FUEL**  
**INCURRED TO APPLICABLE INCREMENTAL RETAIL FUEL CLAUSE**  
**FOR THE MONTH OF**  
**FEBRUARY 2019**

LINE NO.	CLASS OF CUSTOMER	SALES (MWH)	BASE COST OF FUEL IN RATES (MILLS/KWH)	ACTUAL COST OF FUEL INCURRED	ACTUAL INCREMENTAL COST OF FUEL (Col c-b)	ACTUAL INCREMENTAL COST OF FUEL INCLUDING URTRS (e)	ACTUAL INCREMENTAL COST OF FUEL BILLED EXCLUDING URTRS (f)	RECOVERABLE INTERRUPTIBLE CREDIT FROM CAUSE NO. 38706-FAC121 (g)	VARIANCE FROM CAUSE NO. 38706-FAC121 (h)	REVENUES TO BE RECONCILED WITH INCREMENTAL COST OF FUEL INCURRED (Col i-g-h)	FUEL COST VARIANCE (Col d-i)	LINE NO.
1	RESIDENTIAL	288,517	8,958,165	\$ 7,645,707	\$ (1,312,458)	\$ 816,986	\$ 804,886	\$ 239,491	\$ 929,114	\$ (363,719)	\$ (948,739)	1
2	COMMERCIAL	306,642	9,520,933	8,126,017	(1,394,916)	865,706	852,881	254,536	967,481	(389,136)	(1,005,760)	2
3	INDUSTRIAL	692,932	21,514,851	18,362,702	(3,152,149)	1,961,894	1,932,798	575,185	2,231,453	(873,840)	(2,278,309)	3
4	LIGHTING	4,574	142,013	121,207	(20,806)	12,953	12,761	3,797	14,729	(5,765)	(15,041)	4
5	PUBLIC AUTHORITY	1,976	61,349	52,361	(8,988)	5,596	5,513	1,640	6,363	(2,490)	(6,498)	5
6	RAILROAD	1,794	55,694	47,534	(8,160)	5,080	5,005	1,489	5,776	(2,260)	(5,900)	6
7	TOTAL RETAIL SALES SUBJECT TO FAC:	1,296,435	\$ 40,253,005	\$ 34,355,528	\$ (5,897,477)	\$ 3,668,215	\$ 3,613,844	\$ 1,076,138	\$ 4,174,916	\$ (1,637,210)	\$ (4,260,267)	7
8	LESS: CONTESTABLE RSG ADJUSTMENT										\$ 4,146	8
9	LESS: Base Cost of Fuel Adjustment										\$ 3,889	9
10	TOTAL UNDER/(OVER) COLLECTION										\$ (4,268,302)	10
11	RETAIL SALES NOT SUBJECT TO FAC:											
12	BACK UP AND MAINTENANCE	16,982		\$ 471,213								
13	COMPANY USE	1,533		\$ 40,748								
14	CUSTOMER BUY THROUGH	(3,024)		\$ -								
15	ELECTRIC VEHICLES OFF PEAK	-		\$ -								
16	STREET LIGHTING (800 SERIES)	-		\$ -								
17	TOTAL RETAIL SALES NOT SUBJECT TO FAC:	15,491		\$ 511,961								
18	SUBTOTAL (Line 7 + Line 16)	1,311,926		\$ 34,867,489								
19	UNBILLED SALES	(27,351)										
20	SUBTOTAL BOOKED	1,284,575										
21	COMPANY LOAD (Line 17 + Line 18)											
22	PURCHASED POWER ADJUSTMENT			\$ -								
23	WIND PPA ADJUSTMENT			\$ -								
24	SALES FOR RESALE			\$ -								
25	INTERSYSTEM SALES			\$ -								
26	TOTAL NON-JURISDICTIONAL SALES			\$ -								
27	TOTAL BOOKED SALES (Line 20 + Line 25)	1,284,575		\$ 34,867,489								

**Interruptible Credit to be Recovered**  
To be recovered in FAC (25%)

\$ 1,076,755.50



**NORTHERN INDIANA PUBLIC SERVICE COMPANY**  
**RECONCILIATION OF ACTUAL INCREMENTAL COST OF FUEL**  
**INCURRED TO APPLICABLE INCREMENTAL RETAIL FUEL CLAUSE**  
**FOR THE MONTH OF**  
**MARCH 2019**

LINE NO.	CLASS OF CUSTOMER	SALES (MWH) (a)	BASE COST OF FUEL IN RATES (MILLS/KWH) (b)	ACTUAL COST OF FUEL INCURRED (c)	ACTUAL INCREMENTAL COST OF FUEL (Col c-b) (d)	ACTUAL INCREMENTAL COST OF FUEL INCLUDING URTRS (e)	ACTUAL INCREMENTAL COST OF FUEL BILLED EXCLUDING URTRS (f)	RECOVERABLE INTERRUPTIBLE CREDIT FROM CAUSE NO. 38706-FAC121 (g)	VARIANCE FROM CAUSE NO. 38706-FAC121 (h)	REVENUES TO BE RECONCILED WITH INCREMENTAL COST OF FUEL INCURRED (Col i-g-h) (i)	FUEL COST VARIANCE (Col d-i) (j)	LINE NO.
1	RESIDENTIAL	255,600	7,936,122	\$ 7,059,926	\$ (876,196)	\$ 723,762	\$ 713,027	\$ 206,801	\$ 802,292	\$ (296,066)	\$ (580,130)	1
2	COMMERCIAL	293,741	9,120,373	8,113,426	(1,006,947)	830,491	818,184	237,660	922,011	(341,487)	(665,460)	2
3	INDUSTRIAL	769,068	23,878,782	21,242,418	(2,636,364)	2,178,080	2,145,778	622,237	2,413,993	(890,452)	(1,745,912)	3
4	LIGHTING	7,906	245,470	218,369	(27,101)	8,125	8,005	6,397	24,815	(23,207)	(3,894)	4
5	PUBLIC AUTHORITY	1,876	58,251	51,820	(6,431)	5,313	5,234	1,518	5,889	(2,173)	(4,258)	5
6	RAILROAD	1,885	58,520	52,059	(6,461)	5,337	5,258	1,525	5,916	(2,183)	(4,278)	6
7	TOTAL RETAIL SALES SUBJECT TO FAC:	1,330,076	\$ 41,297,518	\$ 36,738,018	\$ (4,559,500)	\$ 3,751,108	\$ 3,695,486	\$ 1,076,138	\$ 4,174,916	\$ (1,555,568)	\$ (3,003,932)	7
8	LESS: CONTESTABLE RSG ADJUSTMENT											8
9	LESS: Base Cost of Fuel Adjustment											9
10	TOTAL UNDER/(OVER) COLLECTION											10
11	RETAIL SALES NOT SUBJECT TO FAC:											
12	BACK UP AND MAINTENANCE	13,757		\$ 383,498								
13	COMPANY USE	1,902		\$ 52,848								
14	CUSTOMER BUY THROUGH	3,024		\$ -								
15	ELECTRIC VEHICLES OFF PEAK	-		\$ -								
16	STREET LIGHTING (800 SERIES)	-		\$ -								
17	TOTAL RETAIL SALES NOT SUBJECT TO FAC:	18,683		\$ 436,346								
18	SUBTOTAL (Line 7 + Line 16)	1,348,759		\$ 37,174,364								
19	UNBILLED SALES	25,686										
20	SUBTOTAL BOOKED	1,374,445										
21	COMPANY LOAD (Line 17 + Line 18)											
22	PURCHASED POWER ADJUSTMENT			\$ -								
23	WIND PPA ADJUSTMENT			\$ 26,937								
24	SALES FOR RESALE	-		\$ -								
25	INTERSYSTEM SALES	6,470		\$ 123,571								
26	TOTAL NON-JURISDICTIONAL SALES	6,470		\$ 150,508								
27	TOTAL BOOKED SALES (Line 20 + Line 25)	1,380,915		\$ 37,324,872								

**Interruptible Credit to be Recovered**

To be recovered in FAC (25%)

\$ 1,083,593.25

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
COMPARISON OF ACTUAL AND ESTIMATED COST OF FUEL  
FOR THE MONTH OF  
JANUARY 2019

LINE NO.	DESCRIPTION	ACTUAL JANUARY 2019	FORECAST JANUARY 2019	LINE NO.
<b><u>KWH SOURCE (000'S)</u></b>				
1	Steam Generation	708,408	1,006,571	1
2	Nuclear Generation	-	-	2
3	Hydro Generation	6,056	5,351	3
	Other Generation			
4	Combined Cycle Unit	167,087	391,772	4
5	Gas Combustion Turbines	26	4,474	5
6	Purchases through MISO	471,218	47,600	6
	Purchased Power other than MISO			
7	FIT Purchases	8,865	10,267	7
8	Wind Energy Purchases	25,961	25,504	8
9	Other	41,838	-	9
10	Power Received for Other Systems	187,303	-	10
LESS:				
11	Jurisdictional Sales not Subject to FAC	16,010	5,526	11
12	Intersystem Sales through MISO	7	88,881	12
13	Intersystem Sales other than MISO	-	-	13
14	Power Transmitted for Other Systems	187,303	-	14
15	Energy Losses and Company Use	<u>94,991</u>	<u>71,763</u>	15
16	SALES (\$)	<u>1,318,451</u>	<u>1,325,369</u>	16
<b><u>FUEL COST (F)</u></b>				
17	Steam Generation	\$ 18,791,589	\$ 24,446,415	17
18	Nuclear Generation	-	-	18
19	Hydro Generation	-	-	19
	Other Generation			
20	Combined Cycle Unit	3,820,245	9,724,412	20
21	Gas Combustion Turbines	32,493	242,839	21
22	Purchases through MISO	12,888,458	1,751,395	22
23	MISO Components of Cost of Fuel	1,404,756	1,414,365	23
	Purchased Power other than MISO			
24	FIT Purchases	1,161,978	1,513,370	24
25	Wind Energy Purchases	1,383,569	1,351,926	25
26	Other	53,382	-	26
LESS:				
27	Jurisdictional Sales not Subject to FAC	745,290	144,616	27
28	Intersystem Sales through MISO	176	2,040,887	28
29	Intersystem Sales other than MISO	3,420	-	29
30	Transmission Losses	-	-	30
31	Purchases over the Benchmark	-	-	31
32	Wind PPA Adjustment	<u>49</u>	<u>26,309</u>	32
33	TOTAL FUEL COSTS (F)	<u>\$ 38,787,535</u>	<u>\$ 38,232,910</u>	33
34	FUEL COST PER KWH (IN MILLS) F/S	<u>\$ 29.419</u>	<u>\$ 28.847</u>	34
35	Weighted Average Deviation	-1.94%		35

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
COMPARISON OF ACTUAL AND ESTIMATED COST OF FUEL  
FOR THE MONTH OF  
FEBRUARY 2019

LINE NO.	DESCRIPTION	ACTUAL FEBRUARY 2019	FORECAST FEBRUARY 2019	LINE NO.
<b><u>KWH SOURCE (000'S)</u></b>				
1	Steam Generation	393,246	500,934	1
2	Nuclear Generation	-	-	2
3	Hydro Generation	7,841	5,194	3
	Other Generation			
4	Combined Cycle Unit	349,400	227,413	4
5	Gas Combustion Turbines	632	10,767	5
6	Purchases through MISO	515,078	586,448	6
	Purchased Power other than MISO			
7	FIT Purchases	7,945	10,267	7
8	Wind Energy Purchases	17,348	26,617	8
9	Other	29,928	-	9
10	Power Received for Other Systems	209,039	-	10
LESS:				
11	Jurisdictional Sales not Subject to FAC	15,491	5,526	11
12	Intersystem Sales through MISO	-	-	12
13	Intersystem Sales other than MISO	-	-	13
14	Power Transmitted for Other Systems	209,039	-	14
15	Energy Losses and Company Use	<u>9,493</u>	<u>69,939</u>	15
16	SALES (\$)	<u>1,296,434</u>	<u>1,292,175</u>	16
<b><u>FUEL COST (F)</u></b>				
17	Steam Generation	\$ 10,865,681	\$ 12,571,504	17
18	Nuclear Generation	-	-	18
19	Hydro Generation	-	-	19
	Other Generation			
20	Combined Cycle Unit	6,492,416	5,442,188	20
21	Gas Combustion Turbines	64,814	506,004	21
22	Purchases through MISO	13,613,543	18,751,450	22
23	MISO Components of Cost of Fuel	754,126	1,414,365	23
	Purchased Power other than MISO			
24	FIT Purchases	1,085,013	1,513,370	24
25	Wind Energy Purchases	909,449	1,418,026	25
26	Other	1,082,446	-	26
LESS:				
27	Jurisdictional Sales not Subject to FAC	511,961	162,454	27
28	Intersystem Sales through MISO	-	-	28
29	Intersystem Sales other than MISO	-	-	29
30	Transmission Losses	-	-	30
31	Purchases over the Benchmark	-	-	31
32	Wind PPA Adjustment	<u>-</u>	<u>26,309</u>	32
33	TOTAL FUEL COSTS (F)	<u>\$ 34,355,527</u>	<u>\$ 41,428,144</u>	33
34	FUEL COST PER KWH (IN MILLS) F/S	<u>\$ 26.500</u>	<u>\$ 32.061</u>	34
35	Weighted Average Deviation	20.98%		35

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
COMPARISON OF ACTUAL AND ESTIMATED COST OF FUEL  
FOR THE MONTH OF  
MARCH 2019

LINE NO.	DESCRIPTION	ACTUAL MARCH 2019	FORECAST MARCH 2019	LINE NO.
<b><u>KWH SOURCE (000'S)</u></b>				
1	Steam Generation	724,023	589,577	1
2	Nuclear Generation	-	-	2
3	Hydro Generation	6,903	6,275	3
	Other Generation			
4	Combined Cycle Unit	336,143	368,134	4
5	Gas Combustion Turbines	(123)	7,012	5
6	Purchases through MISO	291,406	414,856	6
	Purchased Power other than MISO			
7	FIT Purchases	11,420	10,267	7
8	Wind Energy Purchases	25,338	25,824	8
9	Other	31,214	-	9
10	Power Received for Other Systems	149,435	-	10
LESS:				
11	Jurisdictional Sales not Subject to FAC	18,683	5,526	11
12	Intersystem Sales through MISO	6,470	-	12
13	Intersystem Sales other than MISO	-	-	13
14	Power Transmitted for Other Systems	149,435	-	14
15	Energy Losses and Company Use	<u>71,096</u>	<u>72,745</u>	15
16	SALES (\$)	<u>1,330,075</u>	<u>1,343,674</u>	16
<b><u>FUEL COST (F)</u></b>				
17	Steam Generation	\$ 18,513,066	\$ 14,476,387	17
18	Nuclear Generation	-	-	18
19	Hydro Generation	-	-	19
	Other Generation			
20	Combined Cycle Unit	6,771,205	7,609,059	20
21	Gas Combustion Turbines	4,166	321,391	21
22	Purchases through MISO	8,035,069	12,089,178	22
23	MISO Components of Cost of Fuel	447,263	1,414,365	23
	Purchased Power other than MISO			
24	FIT Purchases	1,702,276	1,513,370	24
25	Wind Energy Purchases	1,351,789	1,376,552	25
26	Other	500,039	-	26
LESS:				
27	Jurisdictional Sales not Subject to FAC	436,346	145,303	27
28	Intersystem Sales through MISO	89,763	-	28
29	Intersystem Sales other than MISO	(2,750)	-	29
30	Transmission Losses	36,558	-	30
31	Purchases over the Benchmark	-	-	31
32	Wind PPA Adjustment	<u>26,937</u>	<u>26,309</u>	32
33	TOTAL FUEL COSTS (F)	<u>\$ 36,738,019</u>	<u>\$ 38,628,690</u>	33
34	FUEL COST PER KWH (IN MILLS) F/S	<u>\$ 27.621</u>	<u>\$ 28.749</u>	34
35	Weighted Average Deviation	4.08%		35

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
COMPARISON OF ACTUAL AND ESTIMATED COST OF FUEL  
FOR THE MONTHS OF  
JANUARY, FEBRUARY AND MARCH 2019

LINE NO.	DESCRIPTION	ACTUAL	FORECAST	LINE NO.
<b><u>KWH SOURCE (000'S)</u></b>				
1	Steam Generation	\$ 1,825,677	\$ 2,097,082	1
2	Nuclear Generation	-	-	2
3	Hydro Generation	20,800	16,820	3
	Other Generation	-	-	
4	Combined Cycle Unit	852,630	987,319	4
5	Gas Combustion Turbines	535	22,253	5
6	Purchases through MISO	1,277,702	1,048,904	6
	Purchased Power other than MISO	-	-	
7	FIT Purchases	28,230	30,801	7
8	Wind Energy Purchases	68,647	77,945	8
9	Other	102,980	-	9
10	Power Received for Other Systems	545,777	-	10
	LESS:	-	-	
		-	-	
11	Jurisdictional Sales not Subject to FAC	50,184	16,578	11
12	Intersystem Sales through MISO	6,477	88,881	12
13	Intersystem Sales other than MISO	-	-	13
14	Power Transmitted for Other Systems	545,777	-	14
15	Energy Losses and Company Use	175,580	214,447	15
16	SALES (\$)	\$ 3,944,960	\$ 3,961,218	16
<b><u>FUEL COST (F)</u></b>				
17	Steam Generation	\$ 48,170,336	\$ 51,494,306	17
18	Nuclear Generation	-	-	18
19	Hydro Generation	-	-	19
	Other Generation	-	-	
20	Combined Cycle Unit	17,083,866	22,775,659	20
21	Gas Combustion Turbines	101,473	1,070,234	21
22	Purchases through MISO	34,537,070	32,592,023	22
23	MISO Components of Cost of Fuel	2,606,145	4,243,095	23
	Purchased Power other than MISO	-	-	
24	FIT Purchases	3,949,267	4,540,110	24
25	Wind Energy Purchases	3,644,807	4,146,504	25
26	Other	1,635,867	-	26
	LESS:	-	-	
		-	-	
27	Jurisdictional Sales not Subject to FAC	1,693,597	452,373	27
28	Intersystem Sales through MISO	89,939	2,040,887	28
29	Intersystem Sales other than MISO	670	-	29
30	Transmission Losses	36,558	-	30
31	Purchases over the Benchmark	-	-	31
32	Wind PPA Adjustment	26,986	78,927	32
33	TOTAL FUEL COSTS (F)	\$ 109,881,081	\$ 118,289,744	33
34	FUEL COST PER KWH (IN MILLS) F/S	\$ 27.854	\$ 29.862	34
35	Weighted Average Deviation	7.21%		35

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
COST OF FUEL RECONCILIATION  
SUMMARY OF GENERATION  
JANUARY 2019

LINE NO.	NIPSCO Generation	MWH	Amount	LINE NO.
1	Steam Generation	708,408	\$ 18,791,589	1
2	Nuclear Generation	-	-	2
3	Hydro Generation	6,056	-	3
	Other Generation	-	-	
4	Combined Cycle Unit	167,087	3,820,245	4
5	Gas Combustion Turbines	26	32,493	5
6	Total Generation	881,577	\$ 22,644,327	6

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
COST OF FUEL RECONCILIATION  
SUMMARY OF GENERATION  
FEBRUARY 2019

LINE NO.	NIPSCO Generation	MWH	Amount	LINE NO.
1	Steam Generation	393,246	\$ 10,865,681	1
2	Nuclear Generation	-	-	2
3	Hydro Generation	7,841	-	3
	Other Generation	-	-	
4	Combined Cycle Unit	349,400	6,492,416	4
5	Gas Combustion Turbines	632	64,814	5
6	Total Generation	751,119	\$ 17,422,911	6

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
COST OF FUEL RECONCILIATION  
SUMMARY OF GENERATION  
MARCH 2019

LINE NO.	NIPSCO Generation	MWH	Amount	LINE NO.
1	Steam Generation	724,023	\$ 18,513,066	1
2	Nuclear Generation	-	-	2
3	Hydro Generation	6,903	-	3
	Other Generation	-	-	
4	Combined Cycle Unit	336,143	6,771,205	4
5	Gas Combustion Turbines	(123)	4,166	5
6	Total Generation	1,066,946	\$ 25,288,437	6



NORTHERN INDIANA PUBLIC SERVICE COMPANY  
COST OF FUEL RECONCILIATION  
SUMMARY OF PURCHASED POWER SUBJECT TO THE BENCHMARK  
JANUARY 2019

LINE NO.	<u>PURCHASED POWER SUBJECT TO BENCH MARK</u>	<u>MWH</u>	<u>AMOUNT</u>	LINE NO.
1	Purchases through MISO	<u>471,218</u>	<u>\$ 12,888,458</u>	1
2	Purchased Power other than MISO	<u>(8,987)</u>	<u>\$ (497,387)</u>	2
3	NIPSCO Transmission Losses	<u>-</u>	<u>\$ -</u>	3
4	Total Purchased Power Subject to the Benchmark	<u>462,231</u>	<u>\$ 12,391,071</u>	4
5	Non-Recoverable Purchased Power Costs		<u>\$ -</u>	5
6	Recoverable Purchased Power Costs		<u>\$ 12,391,071</u>	6

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
COST OF FUEL RECONCILIATION  
SUMMARY OF PURCHASED POWER SUBJECT TO THE BENCHMARK  
FEBRUARY 2019

LINE NO.	<u>PURCHASED POWER SUBJECT TO BENCH MARK</u>	<u>MWH</u>	<u>AMOUNT</u>	LINE NO.
1	Purchases through MISO	<u>515,078</u>	<u>\$ 13,613,543</u>	1
2	Purchased Power other than MISO	<u>(15,882)</u>	<u>\$ (444,333)</u>	2
3	NIPSCO Transmission Losses	<u>-</u>	<u>\$ -</u>	3
4	Total Purchased Power Subject to the Benchmark	<u>499,196</u>	<u>\$ 13,169,210</u>	4
5	Non-Recoverable Purchased Power Costs		<u>\$ -</u>	5
6	Recoverable Purchased Power Costs		<u>\$ 13,169,210</u>	6

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
COST OF FUEL RECONCILIATION  
SUMMARY OF PURCHASED POWER SUBJECT TO THE BENCHMARK  
MARCH 2019

LINE NO.	<u>PURCHASED POWER SUBJECT TO BENCH MARK</u>	<u>MWH</u>	<u>AMOUNT</u>	LINE NO.
1	Purchases through MISO	<u>291,406</u>	<u>\$ 8,035,069</u>	1
2	Purchased Power other than MISO	<u>(10,581)</u>	<u>\$ (312,058)</u>	2
3	NIPSCO Transmission Losses	<u>-</u>	<u>\$ -</u>	3
4	Total Purchased Power Subject to the Benchmark	<u>280,825</u>	<u>\$ 7,723,011</u>	4
5	Non-Recoverable Purchased Power Costs		<u>\$ -</u>	5
6	Recoverable Purchased Power Costs		<u>\$ 7,723,011</u>	6

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
DETERMINATION OF MISO COMPONENTS OF FUEL COSTS  
FOR THE MONTH OF  
JANUARY 2019

LINE NO.	ENERGY MARKET FAC ADJUSTMENT COMPONENTS	TOTAL JANUARY 2019	JURISDICTIONAL JANUARY 2019	LINE NO.
1	Delta LMP <sup>1</sup>	\$ 2,306,950	\$ 2,306,950	1
2	FTR (Revenue) / Expenses	(423,021)	(423,021)	2
3	RT Marg. Loss Surplus Credit	(358,887)	(358,887)	3
4	Virtuals Bids and Offers for Load	-	-	4
5	DA & RAC Recovery of Unit Commitment Costs	(107,526)	(110,946)	5
6	Inadvertent Energy	(15,834)	(15,834)	6
7	Ancillary Services Revenue	(116,570)	(116,570)	7
8	Ancillary Services Costs	109,103	109,103	8
9	Ancillary Services Incentive to Follow Dispatch	10,541	10,541	9
10	Miscellaneous	-	-	10
11	Total ( To Sch 5, line 23)	\$ 1,404,756	\$ 1,401,336	11

Negative amount is a credit to expense (payment from MISO)

Positive amount is a debit to expense (payment to MISO)

1 Differential of MCC and MLC between the load zone and generation pricing nodes

2 Includes a credit of \$561,516.27 from MISO that was settled as part of the MISO Transmission Billing Schedule 11

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
DETERMINATION OF MISO COMPONENTS OF FUEL COSTS  
FOR THE MONTH OF  
FEBRUARY 2019

LINE NO.	ENERGY MARKET FAC ADJUSTMENT COMPONENTS	TOTAL FEBRUARY 2019	JURISDICTIONAL FEBRUARY 2019	LINE NO.
1	Delta LMP <sup>1</sup>	\$ 1,830,130	\$ 1,830,130	1
2	FTR (Revenue) / Expenses	(545,854)	(545,854)	2
3	RT Marg. Loss Surplus Credit	(476,448)	(476,448)	3
4	Virtuals Bids and Offers for Load	-	-	4
5	DA & RAC Recovery of Unit Commitment Costs	(68,967)	(68,967)	5
6	Inadvertent Energy	(40,917)	(40,917)	6
7	Ancillary Services Revenue	(45,869)	(45,869)	7
8	Ancillary Services Costs	97,478	97,478	8
9	Ancillary Services Incentive to Follow Dispatch	4,573	4,573	9
10	Miscellaneous	-	-	10
11	Total ( To Sch 5, line 23)	\$ 754,126	\$ 754,126	11

Negative amount is a credit to expense (payment from MISO)

Positive amount is a debit to expense (payment to MISO)

1 Differential of MCC and MLC between the load zone and generation pricing nodes

2 Includes a credit of \$561,516.27 from MISO that was settled as part of the MISO Transmission Billing Schedule 11

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
DETERMINATION OF MISO COMPONENTS OF FUEL COSTS  
FOR THE MONTH OF  
MARCH 2019

LINE NO.	ENERGY MARKET FAC ADJUSTMENT COMPONENTS	TOTAL MARCH 2019	JURISDICTIONAL MARCH 2019	LINE NO.
1	Delta LMP <sup>1</sup>	\$ 1,458,533	\$ 1,458,533	1
2	FTR (Revenue) / Expenses	(682,765)	(681,012)	2
3	RT Marg. Loss Surplus Credit	(332,371)	(331,518)	3
4	Virtuals Bids and Offers for Load	-	-	4
5	DA & RAC Recovery of Unit Commitment Costs	(104,028)	(103,607)	5
6	Inadvertent Energy	26,335	26,267	6
7	Ancillary Services Revenue	(67,151)	(66,979)	7
8	Ancillary Services Costs	140,602	140,241	8
9	Ancillary Services Incentive to Follow Dispatch	7,830	7,810	9
10	Miscellaneous	278	277	10
11	Total ( To Sch 5, line 23)	\$ 447,263	\$ 450,012	11

Negative amount is a credit to expense (payment from MISO)

Positive amount is a debit to expense (payment to MISO)

1 Differential of MCC and MLC between the load zone and generation pricing nodes

2 Includes a credit of \$561,516.27 from MISO that was settled as part of the MISO Transmission Billing Schedule 11

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
MISO CHARGES BY MONTH BY CHARGE TYPE  
JANUARY 2019

LINE NO.	CHARGE TYPE	Trackable	LINE NO.
1	Day Ahead Market Administration Amount	\$ -	1
2	Day Ahead Regulation Amount	(22,808)	2
3	Day Ahead Spinning Reserve Amount	(48,983)	3
4	Day Ahead Supplemental Reserve Amount	(19)	4
5	Day Ahead Asset Energy Amount	11,105,231	5
6	Day Ahead Financial Bilateral Transaction Congestion Amount	-	6
7	Day Ahead Financial Bilateral Transaction Loss Amount	-	7
8	Day Ahead Congestion Rebate on Carve-Out Grandfathered Agrmnts	-	8
9	Day Ahead Loss Rebate on Carve-Out Grandfathered Agrmnts	-	9
10	Day Ahead Congestion Rebate on Option B Grandfathered Agrmnts	-	10
11	Day Ahead Loss Rebate on Option B Grandfathered Agrmnts	-	11
12	Day Ahead Non-Asset Energy Amount	-	12
13	Day Ahead Ramp Capability Amount	(3,462)	13
14	Day Ahead Revenue Sufficiency Guarantee Distribution Amount	27,795	14
15	Day Ahead Revenue Sufficiency Guarantee Make Whole Payment Amount	(44,852)	15
16	Day Ahead Schedule 24 Allocation	-	16
17	Day Ahead Virtual Energy Amount	-	17
18	<b>DAY AHEAD SUBTOTAL</b>	<b>\$ 11,012,902</b>	18
19	Real Time Market Administration Fee Amount	\$ -	19
20	Real Time Contingency Reserve Deployment Failure Charge Amount	-	20
21	Real Time Excessive Energy Amount	(49,366)	21
22	Real Time Excessive/Deficient Energy Deployment Charge Amount	10,541	22
23	Real Time Net Regulation Adjustment Amount	1,724	23
24	Real Time Non-Excessive Energy Amount	3,753,530	24
25	Real Time Regulation Amount	(9,469)	25
26	Real Time Regulation Cost Distribution Amount	42,220	26
27	Real Time Spinning Reserve Amount	(30,233)	27
28	Real Time Spinning Reserve Cost Distribution Amount	39,986	28
29	Real Time Supplemental Reserve Amount	(165)	29
30	Real Time Supplemental Reserve Cost Distribution Amount	5,613	30
31	Real Time Asset Energy Amount	384,063	31
32	Real Time Demand Response Resource Uplift	18,208	32
33	Real Time Financial Bilateral Transaction Congestion Amount	-	33
34	Real Time Financial Bilateral Transaction Loss Amount	-	34
35	Real Time Congestion Rebate on Carve-Out Grandfathered Agrmnts	-	35
36	Real Time Loss Rebate on Carve-Out Grandfathered Agrmnts	-	36
37	Real Time Distribution of Losses Amount	(358,887)	37
38	Real Time Miscellaneous Amount	-	38
39	Real Time Non-Asset Energy Amount	-	39
40	Real Time Net Inadvertent Distribution Amount	(15,834)	40
41	Real Time Price Volatility Make Whole	(158,127)	41
42	Real Time Revenue Neutrality Uplift Amount	-	42
43	Real Time Ramp Capability Amount	(1,431)	43
44	Real Time Revenue Sufficiency Guarantee First Pass Distribution Amount	67,658	44
45	Real Time Revenue Sufficiency Guarantee Make Whole Payment Amount	-	45
46	Real Time Schedule 24 Allocation	-	46
47	Real Time Schedule 24 Distribution	-	47
48	Real Time Uninstructed Deviation Amount	-	48
49	Real Time Virtual Energy Amount	-	49
50	<b>REAL TIME SUBTOTAL</b>	<b>\$ 3,700,031</b>	50
51	Financial Transmission Rights Market Administration Amount	\$ -	51
52	Financial Transmission Rights Auction Revenue Distribution Amount	(749,718)	52
53	Financial Transmission Rights Auction Revenue Transaction Amount	164,927	53
54	Financial Transmission Rights Auction Revenue Infeasible Amount	13,977	54
55	Financial Transmission Rights Auction Revenue Excess Distribution Amount	(10,829)	55
56	Financial Transmission Rights Market Full Funding Guarantee	73,512	56
57	Financial Transmission Rights Market Guarantee Uplift	(66,526)	57
58	Financial Transmission Rights Hourly Allocation Amount	38,252	58
59	Financial Transmission Rights Monthly Allocation Amount	(378)	59
60	Financial Transmission Rights Monthly Transaction Amount	186,484	60
61	Financial Transmission Rights Transaction Amount	-	61
62	Financial Transmission Rights Yearly Allocation Amount	(72,722)	62
63	<b>FINANCIAL TRANSMISSION RIGHTS SUBTOTAL</b>	<b>\$ (423,021)</b>	63
64	Real Time Revenue Neutrality Uplift Amount-Cntngcy Response Deployment Failure Uplift Carve-Out	\$ -	64
65	Real Time Revenue Sufficiency Guarantee First Pass/Second Pass Distribution Amount- Carve Out	-	65
66	Market Administration Virtual and Fin-Phys Carve Out	-	66
67	Real Time Non-Asset Energy Fin Sched Carve-Out	-	67
68	Real Time Non Excessive Energy Carve-Out	-	68
69	Real Time Revenue Neutrality Uplift Amount-Ramp Capability Uplift	3,076	69
70	Real Time Revenue Neutrality Uplift Amount-Second Pass RSG Carve Out	-	70
71	<b>CARVEOUT SUBTOTAL</b>	<b>\$ 3,076</b>	71
72	<b>GRAND TOTAL</b>	<b>\$ 14,292,988</b>	72

NORTHERN INDIANA PUBLIC SERVICE COMPANY  
MISO CHARGES BY MONTH BY CHARGE TYPE  
FEBRUARY 2019

LINE NO.	CHARGE TYPE	Trackable	LINE NO.
1	Day Ahead Market Administration Amount	\$ -	1
2	Day Ahead Regulation Amount	(10,528)	2
3	Day Ahead Spinning Reserve Amount	(16,820)	3
4	Day Ahead Supplemental Reserve Amount	(537)	4
5	Day Ahead Asset Energy Amount	12,693,097	5
6	Day Ahead Financial Bilateral Transaction Congestion Amount	-	6
7	Day Ahead Financial Bilateral Transaction Loss Amount	-	7
8	Day Ahead Congestion Rebate on Carve-Out Grandfathered Agrmnts	-	8
9	Day Ahead Loss Rebate on Carve-Out Grandfathered Agrmnts	-	9
10	Day Ahead Congestion Rebate on Option B Grandfathered Agrmnts	-	10
11	Day Ahead Loss Rebate on Option B Grandfathered Agrmnts	-	11
12	Day Ahead Non-Asset Energy Amount	-	12
13	Day Ahead Ramp Capability Amount	(1,135)	13
14	Day Ahead Revenue Sufficiency Guarantee Distribution Amount	38,674	14
15	Day Ahead Revenue Sufficiency Guarantee Make Whole Payment Amount	-	15
16	Day Ahead Schedule 24 Allocation	-	16
17	Day Ahead Virtual Energy Amount	-	17
18	<b>DAY AHEAD SUBTOTAL</b>	<b>\$ 12,702,751</b>	18
19	Real Time Market Administration Fee Amount	\$ -	19
20	Real Time Contingency Reserve Deployment Failure Charge Amount	-	20
21	Real Time Excessive Energy Amount	37,114	21
22	Real Time Excessive/Deficient Energy Deployment Charge Amount	4,704	22
23	Real Time Net Regulation Adjustment Amount	452	23
24	Real Time Non-Excessive Energy Amount	2,233,962	24
25	Real Time Regulation Amount	(4,422)	25
26	Real Time Regulation Cost Distribution Amount	36,966	26
27	Real Time Spinning Reserve Amount	(9,321)	27
28	Real Time Spinning Reserve Cost Distribution Amount	31,394	28
29	Real Time Supplemental Reserve Amount	(2,541)	29
30	Real Time Supplemental Reserve Cost Distribution Amount	15,039	30
31	Real Time Asset Energy Amount	479,048	31
32	Real Time Demand Response Resource Uplift	12,172	32
33	Real Time Financial Bilateral Transaction Congestion Amount	-	33
34	Real Time Financial Bilateral Transaction Loss Amount	-	34
35	Real Time Congestion Rebate on Carve-Out Grandfathered Agrmnts	-	35
36	Real Time Loss Rebate on Carve-Out Grandfathered Agrmnts	-	36
37	Real Time Distribution of Losses Amount	(476,448)	37
38	Real Time Miscellaneous Amount	-	38
39	Real Time Non-Asset Energy Amount	-	39
40	Real Time Net Inadvertent Distribution Amount	(40,917)	40
41	Real Time Price Volatility Make Whole	(423,785)	41
42	Real Time Revenue Neutrality Uplift Amount	-	42
43	Real Time Ramp Capability Amount	(565)	43
44	Real Time Revenue Sufficiency Guarantee First Pass Distribution Amount	316,144	44
45	Real Time Revenue Sufficiency Guarantee Make Whole Payment Amount	-	45
46	Real Time Schedule 24 Allocation	-	46
47	Real Time Schedule 24 Distribution	-	47
48	Real Time Uninstructed Deviation Amount	-	48
49	Real Time Virtual Energy Amount	-	49
50	<b>REAL TIME SUBTOTAL</b>	<b>\$ 2,208,996</b>	50
51	Financial Transmission Rights Market Administration Amount	\$ -	51
52	Financial Transmission Rights Auction Revenue Distribution Amount	(749,718)	52
53	Financial Transmission Rights Auction Revenue Transaction Amount	164,927	53
54	Financial Transmission Rights Auction Revenue Infeasible Amount	13,973	54
55	Financial Transmission Rights Auction Revenue Excess Distribution Amount	(10,993)	55
56	Financial Transmission Rights Market Full Funding Guarantee	(574)	56
57	Financial Transmission Rights Market Guarantee Uplift	585	57
58	Financial Transmission Rights Hourly Allocation Amount	(31,173)	58
59	Financial Transmission Rights Monthly Allocation Amount	(1,950)	59
60	Financial Transmission Rights Monthly Transaction Amount	69,068	60
61	Financial Transmission Rights Transaction Amount	-	61
62	Financial Transmission Rights Yearly Allocation Amount	1	62
63	<b>FINANCIAL TRANSMISSION RIGHTS SUBTOTAL</b>	<b>\$ (545,854)</b>	63
64	Real Time Revenue Neutrality Uplift Amount-Cntngcy Response Deployment Failure Uplift Carve-Out	\$ (131)	64
65	Real Time Revenue Sufficiency Guarantee First Pass/Second Pass Distribution Amount- Carve Out	-	65
66	Market Administration Virtual and Fin-Phys Carve Out	-	66
67	Real Time Non-Asset Energy Fin Sched Carve-Out	-	67
68	Real Time Non Excessive Energy Carve-Out	-	68
69	Real Time Revenue Neutrality Uplift Amount-Ramp Capability Uplift	1,907	69
70	Real Time Revenue Neutrality Uplift Amount-Second Pass RSG Carve Out	-	70
71	<b>CARVEOUT SUBTOTAL</b>	<b>\$ 1,776</b>	71
72	<b>GRAND TOTAL</b>	<b>\$ 14,367,669</b>	72



NORTHERN INDIANA PUBLIC SERVICE COMPANY  
MISO CHARGES BY MONTH BY CHARGE TYPE  
MARCH 2019

LINE NO.	CHARGE TYPE	Trackable	LINE NO.
1	Day Ahead Market Administration Amount	\$ -	1
2	Day Ahead Regulation Amount	(16,476)	2
3	Day Ahead Spinning Reserve Amount	(17,125)	3
4	Day Ahead Supplemental Reserve Amount	(6)	4
5	Day Ahead Asset Energy Amount	6,682,485	5
6	Day Ahead Financial Bilateral Transaction Congestion Amount	-	6
7	Day Ahead Financial Bilateral Transaction Loss Amount	-	7
8	Day Ahead Congestion Rebate on Carve-Out Grandfathered Agrmnts	-	8
9	Day Ahead Loss Rebate on Carve-Out Grandfathered Agrmnts	-	9
10	Day Ahead Congestion Rebate on Option B Grandfathered Agrmnts	-	10
11	Day Ahead Loss Rebate on Option B Grandfathered Agrmnts	-	11
12	Day Ahead Non-Asset Energy Amount	-	12
13	Day Ahead Ramp Capability Amount	(833)	13
14	Day Ahead Revenue Sufficiency Guarantee Distribution Amount	38,278	14
15	Day Ahead Revenue Sufficiency Guarantee Make Whole Payment Amount	(26,102)	15
16	Day Ahead Schedule 24 Allocation	-	16
17	Day Ahead Virtual Energy Amount	-	17
18	<b>DAY AHEAD SUBTOTAL</b>	<b>\$ 6,660,221</b>	18
19	Real Time Market Administration Fee Amount	\$ -	19
20	Real Time Contingency Reserve Deployment Failure Charge Amount	-	20
21	Real Time Excessive Energy Amount	291	21
22	Real Time Excessive/Deficient Energy Deployment Charge Amount	7,830	22
23	Real Time Net Regulation Adjustment Amount	474	23
24	Real Time Non-Excessive Energy Amount	2,353,747	24
25	Real Time Regulation Amount	(14,414)	25
26	Real Time Regulation Cost Distribution Amount	50,926	26
27	Real Time Spinning Reserve Amount	(17,779)	27
28	Real Time Spinning Reserve Cost Distribution Amount	50,883	28
29	Real Time Supplemental Reserve Amount	(187)	29
30	Real Time Supplemental Reserve Cost Distribution Amount	14,086	30
31	Real Time Asset Energy Amount	269,456	31
32	Real Time Demand Response Resource Uplift	20,944	32
33	Real Time Financial Bilateral Transaction Congestion Amount	-	33
34	Real Time Financial Bilateral Transaction Loss Amount	-	34
35	Real Time Congestion Rebate on Carve-Out Grandfathered Agrmnts	-	35
36	Real Time Loss Rebate on Carve-Out Grandfathered Agrmnts	-	36
37	Real Time Distribution of Losses Amount	(332,371)	37
38	Real Time Miscellaneous Amount	278	38
39	Real Time Non-Asset Energy Amount	-	39
40	Real Time Net Inadvertent Distribution Amount	26,335	40
41	Real Time Price Volatility Make Whole	(142,804)	41
42	Real Time Revenue Neutrality Uplift Amount	-	42
43	Real Time Ramp Capability Amount	(331)	43
44	Real Time Revenue Sufficiency Guarantee First Pass Distribution Amount	59,899	44
45	Real Time Revenue Sufficiency Guarantee Make Whole Payment Amount	(33,299)	45
46	Real Time Schedule 24 Allocation	-	46
47	Real Time Schedule 24 Distribution	-	47
48	Real Time Uninstructed Deviation Amount	-	48
49	Real Time Virtual Energy Amount	-	49
50	<b>REAL TIME SUBTOTAL</b>	<b>\$ 2,313,964</b>	50
51	Financial Transmission Rights Market Administration Amount	\$ -	51
52	Financial Transmission Rights Auction Revenue Distribution Amount	(847,481)	52
53	Financial Transmission Rights Auction Revenue Transaction Amount	107,541	53
54	Financial Transmission Rights Auction Revenue Infeasible Amount	18,294	54
55	Financial Transmission Rights Auction Revenue Excess Distribution Amount	(3,654)	55
56	Financial Transmission Rights Market Full Funding Guarantee	(2,188)	56
57	Financial Transmission Rights Market Guarantee Uplift	10,937	57
58	Financial Transmission Rights Hourly Allocation Amount	(60,940)	58
59	Financial Transmission Rights Monthly Allocation Amount	(5,184)	59
60	Financial Transmission Rights Monthly Transaction Amount	99,910	60
61	Financial Transmission Rights Transaction Amount	-	61
62	Financial Transmission Rights Yearly Allocation Amount	-	62
63	<b>FINANCIAL TRANSMISSION RIGHTS SUBTOTAL</b>	<b>\$ (682,765)</b>	63
64	Real Time Revenue Neutrality Uplift Amount-Cntngcy Response Deployment Failure Uplift Carve-Out	\$ -	64
65	Real Time Revenue Sufficiency Guarantee First Pass/Second Pass Distribution Amount- Carve Out	-	65
66	Market Administration Virtual and Fin-Phys Carve Out	-	66
67	Real Time Non-Asset Energy Fin Sched Carve-Out	-	67
68	Real Time Non Excessive Energy Carve-Out	-	68
69	Real Time Revenue Neutrality Uplift Amount-Ramp Capability Uplift	3,763	69
70	Real Time Revenue Neutrality Uplift Amount-Second Pass RSG Carve Out	-	70
71	<b>CARVEOUT SUBTOTAL</b>	<b>\$ 3,763</b>	71
72	<b>GRAND TOTAL</b>	<b>\$ 8,295,183</b>	72

**NORTHERN INDIANA PUBLIC SERVICE COMPANY**  
Determination of Interruptible Credits to be included in FAC  
For the Billing Months of  
AUGUST 2019, SEPTEMBER 2019 and OCTOBER 2019

LINE NO.		Recoverable Interruptible Credits	LINE NO.
1	JANUARY 2019	\$ 4,338,495	1
2	FEBRUARY 2019	\$ 4,307,022	2
3	MARCH 2019	<u>\$ 4,334,373</u>	3
4	TOTAL Recoverable Interruptible Credits	<u>\$ 12,979,890</u>	4
5	FAC Recoverable percentage per Cause No. 44688	25%	5
6	Recoverable Interruptible Credits included in FAC	<u>\$ 3,244,973</u>	6
7	Estimated Indiana Jurisdictional Sales (MWH) (Sch 1, Line 14 Total column)	4,391,893	7
8	Recoverable Interruptible Credit Factor - Line 6 divided by Estimated Indiana Jurisdictional Sales (mills/kwh) (to Schedule 1, Line 34)	<u>0.739</u>	8