FILED
April 23, 2018
INDIANA UTILITY
REGULATORY COMMISSION

STATE OF INDIANA

INDIANA UTILITY REGULATORY COMMISSION

PETITION OF NORTHERN INDIANA)	
PUBLIC SERVICE COMPANY FOR (1))	
AUTHORITY TO MODIFY ITS RATES AND)	
CHARGES FOR GAS UTILITY SERVICE)	
THROUGH A PHASE IN OF RATES; (2))	
MODIFICATION OF THE SETTLEMENT)	
AGREEMENTS APPROVED IN CAUSE NO.)	
43894; (3) APPROVAL OF NEW SCHEDULES)	CAUSE NO. 44988
OF RATES AND CHARGES, GENERAL)	
RULES AND REGULATIONS, AND RIDERS;)	
(4) APPROVAL OF REVISED)	
DEPRECIATION RATES APPLICABLE TO)	
ITS GAS PLANT IN SERVICE; (5) APPROVAL)	
OF NECESSARY AND APPROPRIATE)	
ACCOUNTING RELIEF; AND (6))	
AUTHORITY TO IMPLEMENT TEMPORARY)	
RATES CONSISTENT WITH THE)	
PROVISIONS OF IND. CODE CH. 8-1-2-42.7.)	

SUBMISSION OF SETTLEMENT WORKPAPERS

Northern Indiana Public Service Company LLC, by counsel, respectfully submits <u>Petitioner's Exhibit No. 17-S1</u>, <u>Petitioner's Exhibit No. 17-S2</u>, and <u>Petitioner's Exhibit No. 17-S3</u>, supporting its settlement testimony filed April 20, 2018.

Respectfully submitted:

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CERTIFICATE OF SERVICE

The undersigned certifies that a copy of the foregoing was served upon the

following via electronic email this 23rd day of April, 2018 to:

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Northern Indiana Public Service Company Pro forma Adjustment to Depreciation and Amortization Expense Twelve Months Ending June 30, 2018

This pro forma adjustment increases the twelve months ended December 31, 2016 depreciation expense to reflect rate base growth and implement the new depreciation rates per the depreciation study.

Line		Attachment 3-C-S1			Page
No.	Description	Reference	Adjustment	Amount	Reference
	А	В	С	D	E
1	Gas Plant Depreciation for the Twelve Months Ended December 31, 2016	Sch. DEPR 1-S1		\$ 3,919,144	[.2]
2	2017 Gas Plant Rate Base @ 2009 Depreciation Rates	Sch. DEPR 1-S1	DEPR 1-S1-17	5,285,150	[.2]
3	2018 Gas Plant Rate Base @ 2009 Depreciation Rates	Sch. DEPR 1-S1	DEPR 1-S1-18	3,955,970	[.2]
4	D&A Study Depreciation Expense	Sch. DEPR 1-S1	DEPR 1-S1-18	48,448,417	[.2]
5	Rebuttal True Up	Sch. DEPR 1-S1	DEPR 1-R-18R	415,664	[.2]
6	Settlement True Up	Sch. DEPR 1-S1	DEPR 1-S1-18R	(3,898,057)	[.2]
7	Increase (Decrease) in Gas Plant Depreciation Expense (Lines 2 + 3 + 4 + 5)		-	\$ 54,207,144	
8	Gas Plant Depreciation Expense for the Twelve Months Ending June 30, 2018 (Lines 1 + 6)	Sch. DEPR 1-S1	=	\$ 58,126,288	

Workpaper DEPR 1-S1 Page [.2]

Northern Indiana Public Service Company Gas Plant Depreciation Expense Summary December 31, 2016 & 2017 and June 30, 2018

Line No.	Description	20	16 Actuals	-	201	7 Forecasted		Variance	201	L8 Forecasted	_	Variance	20:	18 Rate Making	_
			Α			С		B = C - A		Е		D = E - C		F	•
1	Gas Asset Depreciation	\$	3,407,710	[.3]	\$	9,204,294	[.4]	\$ 5,796,584	\$	13,160,264	[.5]	\$ 3,955,970	\$	13,160,264	
2	TDSIC		511,434	[.3]		-		(511,434)		-				-	
3	Depreciation credit							 -			_	 -		28,400,000	A, [.5], [.4]
4	Subotal	\$	3,919,144		\$	9,204,294		\$ 5,285,150	\$	13,160,264		\$ 3,955,970	\$	41,560,264	[.5]
5											-				•
6	Increase in Accrual Rates													20,048,417	Α
7	Rebuttal True Up													415,664	[.1]
8	Settlement True Up										_		\$	(3,898,057)	[.1]
Total Depre	eciation Expense - Gas Assets	\$	3,919,144	[.3]	\$	9,204,294		\$ 5,285,150	\$	13,160,264	_	\$ 3,955,970	\$	58,126,288	[.6]
			[.1]	-				[.1]			_	[.1]			•

Sum of A 48,448,417 [.1]

Petitioner's Exhibit No. 17-S1 Cause No. 44988 Page 3 of 86

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Northern Indiana Public Service Company Gas Plant Depreciation Expense Account 40300000 - Power Plant and TDSIC Twelve Months Ended December 31, 2016

																							Γwelve	Months Ended	
Line No.	. Segment	Account	Description	J	anuary	Fe	bruary	March	Apı	il	May	June	July	August	Se	eptember	0	ctober	N	ovember	De	ecember	Decen	nber 31, 2016	
1	G	40300000	Gas Asset Depreciation	\$	255,706	\$	262,821	\$ 265,988 \$	27	2,256	\$ 274,364	\$ 276,169	\$ 291,376	\$ 290,198	\$	294,077	\$	296,625	\$	305,300	\$	322,830	\$	3,407,710 [.:	.2]
2	G	40300000	TDSIC Depreciation						2	9,728	16,359	9,998	34,087	21,549		23,549		50,130		92,606		233,429		511,434 [.:	.2]
3		Depreciation	on Expense - Gas Assets	\$	255,706	\$	262,821	\$ 265,988 \$	30	1,984	\$ 290,723	\$ 286,167	\$ 325,463	\$ 311,747	\$	317,627	\$	346,755	\$	397,905	\$	556,259	\$	3,919,144 [.:	.2]

Northern Indiana Public Service Company Calculation of 2017 Depreciation Expense - 2017 Original Cost Gross Plant at 2009 Depreciation Rates Twelve Months Ending December 31, 2017 Workpaper DEPR 1-S1 Page [.4]

Line No.	FERC Account	ACCOUNT	ANNUAL ACCRUAL RATE (2009)	mber 31, 2017 DRIGINAL COST	A 2	17 ANNUAL CCRUAL \$ @	Depreciation Credit	Dec	e Months Ended ember 31, 2017 eciation Expense
			Α	В		C = A x B	D		E
1	ı	DEPRECIABLE PLANT							
2		JNDERGROUND STORAGE PLANT							
1	350.20	LEASEHOLDS	0.17	\$ 381,490	\$	649	\$ (589)	\$	60
3	350.40	RIGHTS OF WAY	1.57	186,818		2,933	(2,662.42)		270.62
2	351.10	WELL STRUCTURES	1.27	18,796		239	(216.56)		22.15
4	351.20	COMPRESSOR STATION STRUCTURES	0.86	247,044		2,125	(1,927.52)		197.06
3	351.30	MEASURING AND REGULATING STATION STRUCTURES	0.80	241,515		1,932	(789.48)		1,142.64
5	351.40	OTHER STRUCTURES	0.25	2,724,063		6,810	(6,190.60)		619.56
4	352.00	WELLS	0.07	14,414,024		10,090	(9,144.58)		945.24
6	352.30	NONRECOVERABLE NATURAL GAS	1.54	5,399,799		83,157	(75,485.24)		7,671.66
5	353.00	LINES	0.30	21,116,863		63,351	(49,122.12)		14,228.47
7	354.00	COMPRESSOR STATION EQUIPMENT	0.70	4,062,360		28,437	(19,836.32)		8,600.20
6	355.00	MEASURING AND REGULATING STATION EQUIPMENT	0.45	2,315,122		10,418	(9,486.92)		931.13
8	356.00	PURIFICATION EQUIPMENT	0.19	10,247,070		19,469	(14,553.34)		4,916.09
7	357.00	OTHER EQUIPMENT	3.27	1,012,302		33,102	(28,725.60)		4,376.68
9	1	TOTAL UNDERGROUND STORAGE PLANT	0.35	\$ 62,367,265	\$	262,711	\$ (218,730)	\$	43,981
8	,	OTHER STORAGE PLANT							
9	361.00	STRUCTURES AND IMPROVEMENTS	0.22	9,779,820		21,516	(14,969)		6,547
	362.10	GAS HOLDERS	0.22	17,915,656		7,166			738
10 11	362.10	PURIFICATION EQUIPMENT	0.04			1,005	(6,428)		139
	363.10			1,674,419			(865)		
12	363.10	LIQUEFACTION EQUIPMENT VAPORIZING EQUIPMENT	0.11	7,903,309		8,694	(6,971)		1,722
13			0.29	5,018,243		14,553	(13,041)		1,512
14	363.30	COMPRESSOR EQUIPMENT	0.39	1,985,874		7,745	(4,877)		2,867
15	363.40	MEASURING AND REGULATING EQUIPMENT OTHER EQUIPMENT	1.04	1,269,274		13,200	(12,081)		1,120
16	363.50	OTHER EQUIPMENT	1.22	2,237,850		27,302	(22,282)		5,020
17	1	TOTAL OTHER STORAGE PLANT	0.19	\$ 47,784,445	\$	101,180	\$ (81,515)	\$	19,665
18	1	TRANSMISSION PLANT							
19	365.20	LAND RIGHTS	1.93	10,931,580		210,979	(140,327)		70,652
20	366.20	MEASURING AND REGULATING STATION STRUCTURES	1.02	3,814,724		38,910	(24,323)		14,588
21	366.30	OTHER STRUCTURES	2.19	287,101		6,288	(5,784)		503
22	367.00	MAINS	1.25	325,998,144		4,074,977	(2,107,854)		1,967,123
23	369.00	MEASURING AND REGULATING STATION EQUIPMENT	1.66	55,741,687		925,312	(629,890)		295,422
24	371.00	OTHER EQUIPMENT	0.99	214,258		2,121.16	(436)		1,685
25	1	TOTAL TRANSMISSION PLANT	1.34	\$ 396,987,493	\$	5,258,587	\$ (2,908,615)	\$	2,349,973
26		DISTRIBUTION PLANT							
27	374.20	LAND RIGHTS	1.57	1,204,997		18,918	(16,693)		2,225
28	375.00	STRUCTURES AND IMPROVEMENTS	1.01	3,179,948		32,117	(26,627.98)		5,489.50
29	376.00	MAINS	1.41						
30	376.10	MAINS - STEEL	1.41	278,247,904		3,923,295	(2,851,398.38)		1,071,897.06
31	376.20	MAINS - PLASTIC	1.41	535,049,337		7,544,196	(5,627,777.54)		1,916,418.11
32	378.00	MEASURING AND REGULATING STATION EQUIPMENT - GENERA	1.67	43,876,994		732,746	(496,714.64)		236,031.16
33	380.00	SERVICES	2.27						
34	380.10	SERVICES - STEEL	2.27	80,490,461		1,827,133	(1,330,436)		496,697
35	380.20	SERVICES - PLASTIC	2.27	505,640,023		11,478,029	(9,465,840)		2,012,188
36	381.00	METERS	1.62	147,301,933		2,386,291	(2,109,155)		277,137
37	382.00	METER INSTALLATIONS	0.22	132,261,456		290,975	(236,899)		54,077
38	383.00	HOUSE REGULATORS	0.99	93,345,543		924,121	(710,932)		213,189
39	384.00	HOUSE REGULATOR INSTALLATIONS	0.35	3,241,540		11,345	(10,297)		1,048
40	385.00	INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMEN	1.47	52,331,904		769,279	(673,853)		95,426
41	386.00	OTHER PROPERTY ON CUSTOMER PREMISES	8.03	25,262		2,029	(1,795)		234
42	1	TOTAL DISTRIBUTION PLANT	1.62	\$ 1,876,197,301	\$	29,940,475	\$ (23,558,418)	\$	6,382,057

Northern Indiana Public Service Company Calculation of 2017 Depreciation Expense - 2017 Original Cost Gross Plant at 2009 Depreciation Rates Twelve Months Ending December 31, 2017 Workpaper DEPR 1-S1 Page [.4]

Line No.	FERC Account	ACCOUNT	ANNUAL ACCRUAL RATE (2009)	December 31, 2017 ORIGINAL COST	2017 ANNUAL ACCRUAL \$ @ 2009 RATES	Depreciation Credit	Twelve Months Ended December 31, 2017 Depreciation Expense
43		GENERAL PLANT	A	В	C = A x B	D	E
44	389.20	LAND RIGHTS	0.00	2,095,915	_	_	_
45	390.00	STRUCTURES AND IMPROVEMENTS	0.00	2,000,010			
46	000.00	GAS OPERATIONS CENTER	2.81	2.953.961	83,006		
47		SOUTH BEND OPERATIONS HEADQUARTERS	2.77	5,330,949	147,667		
48		ELKHART OPERATIONS HEADQUARTERS	2.88	.,,.	,		
49		CENTRAL GAS METER SHOP	3.38	1953529.42	66,029		
50		PERU OPERATIONS HEADQUARTERS	2.75	948,836	26,093		
51		FORT WAYNE OPERATIONS HEADQUARTERS	2.70	4,466,575	120,598		
52		OTHER MISCELLANEOUS STRUCTURES	3.19	8,465,500	270,049		
53		TOTAL STRUCTURES AND IMPROVEMENTS	2.89	\$ 24,119,350	\$ 713,443	\$ (559,754)	\$ 153,689
54	391.10	OFFICE FURNITURE AND EQUIPMENT					
55		FULLY ACCRUED	0.00	3,222,151	-		
56		AMORTIZED	5.00	940,593	47,030		
57		TOTAL OFFICE FURNITURE AND EQUIPMENT	2.30	\$ 4,162,744	\$ 47,030	\$ (82,687)	
58							
59	391.20						
60		FULLY ACCRUED	0.00	2,233,301	-		
61		AMORTIZED	14.29	1,089,312	155,663		
62		TOTAL COMPUTER EQUIPMENT	2.67	\$ 3,322,613	\$ 155,663	\$ (82,281)	
63		TOTAL ACCOUNT 391	2.40	\$ 7,485,356	\$ 202,692	\$ (164,967)	\$ 37,725
64		TRANSPORTATION EQUIPMENT					
65	392.10		2.45	8,886	218		
66	392.20	TRAILERS	10.00	7,285	729		
67	392.30	TRUCKS < 13,000 #	9.66	70,223	6,784		
68	392.40	TRUCKS > 13,000 #	7.07	405,431	28,664		
69		TOTAL TRANSPORTATION EQUIPMENT	8.25	\$ 491,824	\$ 36,394	\$ (661)	\$ 35,732
70	393.00	STORES EQUIPMENT					
71		FULLY ACCRUED	0.00	201,816			
72		AMORTIZED	3.33	92,709	3,087		
73		TOTAL STORES EQUIPMENT	1.17	\$ 294,525	\$ 3,087	\$ (3,090)	\$ (2)
74	394.00	TOOLS, SHOP AND GARAGE EQUIPMENT					
75		FULLY ACCRUED	0.00	7,272,782	-		
76		AMORTIZED	4.00	16,643,251	665,730		
77		TOTAL TOOLS, SHOP AND GARAGE EQUIPMENT	3.36	\$ 23,916,033	\$ 665,730	\$ (678,626)	\$ (12,896)
78	395.00	LABORATORY EQUIPMENT					
79		FULLY ACCRUED	0.00	202,499	-		
80		AMORTIZED	5.00	1,821,798	91,090		
81		TOTAL LABORATORY EQUIPMENT	4.46	\$ 2,024,297	\$ 91,090	\$ (84,385)	\$ 6,705
82	396.00	POWER OPERATED EQUIPMENT	11.88	1,137,120	135,090	-	135,090
83	397.00	COMMUNICATION EQUIPMENT					
84		FULLY ACCRUED	0.00	2,971,845	-		
85		AMORTIZED	6.67	2,601,757	173,537		
86		TOTAL COMMUNICATION EQUIPMENT	2.49	\$ 5,573,602	\$ 173,537	\$ (98,469)	\$ 75,069
87	398.00	MISCELLANEOUS EQUIPMENT					
88		FULLY ACCRUED	0.00	298,253	-		
89		AMORTIZED	5.00	405,527	20,276		
90		TOTAL MISCELLANEOUS EQUIPMENT	4.33	\$ 703,779	\$ 20,276	\$ (42,771)	\$ (22,494)
91		TOTAL GENERAL PLANT	4.73	\$ 67,841,802	\$ 2,041,339	\$ (1,632,722)	\$ 408,617
92		TOTAL DEPRECIABLE PLANT	1.81	\$ 2,451,178,307	\$ 37,604,293	\$ (28,400,000) [.2]	\$ 9,204,293 [.2]

Northern Indiana Public Service Company Calculation of 2018 Depreciation Expense - 2018 Original Cost Gross Plant at 2009 Depreciation Rates Twelve Months Ending December 31, 2018

Workpaper DEPR 1-S1 Page [.5]

Line No.	FERC Account	ACCOUNT	ANNUAL ACCRUAL RATE (2009)		ec. 31, 2018 ORIGINAL COST B	,	018 ANNUAL ACCRUAL \$ @ 2009 RATES C = A x B	De	epreciation Credit D	De	Months Ended c. 31, 2018 iation Expense E
1		DEPRECIABLE PLANT									
2		UNDERGROUND STORAGE PLANT									
1	350.20	LEASEHOLDS	0.17	\$	381,490	\$	649	\$	(589)	\$	60
3	350.40	RIGHTS OF WAY	1.57		186,818		2,933		(2,662)		271
2	351.10	WELL STRUCTURES	1.27		18,796		239		(217)		22
4	351.20	COMPRESSOR STATION STRUCTURES	0.86		247,044		2,125		(1,928)		197
3	351.30	MEASURING AND REGULATING STATION STRUCTURES	0.80		241,515		1,932		(789)		1,143
5	351.40	OTHER STRUCTURES	0.25		2,724,063		6,810		(6,191)		620
4	352.00	WELLS	0.07		14,414,024		10,090		(9,145)		945
6	352.30	NONRECOVERABLE NATURAL GAS	1.54		5,399,799		83,157		(75,485)		7,672
5	353.00	LINES	0.30		21,532,055		64,596		(49,122)		15,474
7	354.00	COMPRESSOR STATION EQUIPMENT	0.70		4,781,187		33,468		(19,836)		13,632
6	355.00	MEASURING AND REGULATING STATION EQUIPMENT	0.45		2,315,122		10,418		(9,487)		931
8	356.00	PURIFICATION EQUIPMENT	0.19		10,364,386		19,692		(14,553)		5,139
7	357.00	OTHER EQUIPMENT	3.27		1,012,302		33,102		(28,726)		4,377
9		TOTAL UNDERGROUND STORAGE PLANT	0.35	\$	63,618,600	\$	269,211	\$	(218,730)	\$	50,481
8		OTHER STORAGE PLANT									
9	361.00	STRUCTURES AND IMPROVEMENTS	0.22		9,893,685		21,766		(14,969)		6,797
10	362.10	GAS HOLDERS	0.04		17,915,656		7,166		(6,428)		738
11	363.00	PURIFICATION EQUIPMENT	0.06		1,674,419		1,005		(865)		139
12	363.10	LIQUEFACTION EQUIPMENT	0.11		7,903,309		8,694		(6,971)		1,722
13	363.20	VAPORIZING EQUIPMENT	0.29		5,018,243		14,553		(13,041)		1,512
14	363.30	COMPRESSOR EQUIPMENT	0.39		1,985,874		7,745		(4,877)		2,867
15	363.40	MEASURING AND REGULATING EQUIPMENT	1.04		1,269,274		13,200		(12,081)		1,120
16	363.50	OTHER EQUIPMENT	1.22		2,622,726		31,997		(22,282)		9,715
17		TOTAL OTHER STORAGE PLANT	0.19	\$	48,283,186	\$	106,126	\$	(81,515)	\$	24,611
18		TRANSMISSION PLANT									
19	365.20	LAND RIGHTS	1.93		10,944,149		211,222		(140,327)		70,895
20	366.20	MEASURING AND REGULATING STATION STRUCTURES	1.02		3,814,724		38,910		(24,323)		14,588
21	366.30	OTHER STRUCTURES	2.19		302.005		6,614		(5,784)		829
22	367.00	MAINS	1.25		515,056,491		6,438,206		(2,107,854)		4,330,352
23	369.00	MEASURING AND REGULATING STATION EQUIPMENT	1.66		63,870,621		1,060,252		(629,890)		430,362
24	371.00	OTHER EQUIPMENT	0.99		310,935		3,078.26		(436)		2,642
				_		_					
25		TOTAL TRANSMISSION PLANT	1.34	\$	594,298,924	\$	7,758,283	\$	(2,908,615)	\$	4,849,668
26		DISTRIBUTION PLANT									
27	374.20	LAND RIGHTS	1.57		1,261,634		19,808		(16,693)		3,115
28	375.00	STRUCTURES AND IMPROVEMENTS	1.01		3,212,012		32,441		(26,628)		5,813
29	376.00	MAINS	1.41								
30	376.10	MAINS - STEEL	1.41		328,001,169		4,624,816		(2,851,398)		1,773,418
31	376.20	MAINS - PLASTIC	1.41		535,049,337		7,544,196		(5,627,778)		1,916,418
32	378.00	MEASURING AND REGULATING STATION EQUIPMENT - GEN	1.67		49,655,496		829,247		(496,715)		332,532
33	380.00	SERVICES	2.27								
34	380.10	SERVICES - STEEL	2.27		108,390,069		2,460,455		(1,330,436)		1,130,018
35	380.20	SERVICES - PLASTIC	2.27		505,640,023		11,478,029		(9,465,840)		2,012,188
36	381.00	METERS	1.62		147,301,933		2,386,291		(2,109,155)		277,137
37	382.00	METER INSTALLATIONS	0.22		132,790,643		292,139		(236,899)		55,241
38	383.00	HOUSE REGULATORS	0.99		99,858,094		988,595		(710,932)		277,663
39	384.00	HOUSE REGULATOR INSTALLATIONS	0.35		3,241,798		11,346		(10,297)		1,049
40	385.00	INDUSTRIAL MEASURING AND REGULATING STATION EQUI	1.47		52,526,724		772,143		(673,853)		98,290
41	386.00	OTHER PROPERTY ON CUSTOMER PREMISES	8.03		26,513		2,129		(1,795)		334
42		TOTAL DISTRIBUTION PLANT	1.62	\$	1,966,955,445	\$	31,441,635	\$	(23,558,418)	\$	7,883,217

Northern Indiana Public Service Company Calculation of 2018 Depreciation Expense - 2018 Original Cost Gross Plant at 2009 Depreciation Rates Twelve Months Ending December 31, 2018 Workpaper DEPR 1-S1 Page [.5]

Line No.	FERC Account	ACCOUNT	ANNUAL ACCRUAL RATE (2009)		ec. 31, 2018 ORIGINAL COST	A	18 ANNUAL CCRUAL \$ @ 009 RATES	D	epreciation Credit	De	e Months Ended ec. 31, 2018 ciation Expense
43		GENERAL PLANT	Α	-	В		C = A x B		D		E
44	389.20	LAND RIGHTS	0.00		2,095,915		-		=		-
45	390.00	STRUCTURES AND IMPROVEMENTS									
46		GAS OPERATIONS CENTER	2.81		2,953,961		83,006				
47		SOUTH BEND OPERATIONS HEADQUARTERS ELKHART OPERATIONS HEADQUARTERS	2.77 2.88		5,330,949		147,667				
48 49		CENTRAL GAS METER SHOP	3.38		1,953,529		66,029				
50		PERU OPERATIONS HEADQUARTERS	2.75		948,836		26,093				
51		FORT WAYNE OPERATIONS HEADQUARTERS	2.70		4,466,575		120,598				
52		OTHER MISCELLANEOUS STRUCTURES	3.19		8,465,500		270,049				
53		TOTAL STRUCTURES AND IMPROVEMENTS	2.89	\$	24,119,350	\$	713,443	\$	(559,754)	\$	153,689
54	391.10	OFFICE FURNITURE AND EQUIPMENT									
55		FULLY ACCRUED	0.00		3,268,294						
56		AMORTIZED	5.00		894,450		44,722				
57 58		TOTAL OFFICE FURNITURE AND EQUIPMENT	2.30	\$	4,162,744	\$	44,722	\$	(82,687)	_	
59	391.20	COMPUTER EQUIPMENT									
60		FULLY ACCRUED	0.00		2,416,108		-				
61		AMORTIZED	14.29		906,505		129,540				
62		TOTAL COMPUTER EQUIPMENT	2.67	\$	3,322,613	\$	129,540	\$	(82,281)	_	
63		TOTAL ACCOUNT 391	2.40	\$	7,485,356	\$	174,262	\$	(164,967)	\$	9,295
64		TRANSPORTATION EQUIPMENT									
65	392.10	AUTOS	2.45		8,886		218				
66	392.20	TRAILERS	10.00		7,285		729				
67 68	392.30 392.40	TRUCKS < 13,000 # TRUCKS > 13,000 #	9.66 7.07		70,223 405,431		6,784 28,664				
00	332.40	110010 × 10,000 #	7.07								
69		TOTAL TRANSPORTATION EQUIPMENT	8.25	\$	491,824	\$	36,394	\$	(661)	\$	35,732
70	393.00	STORES EQUIPMENT									
71		FULLY ACCRUED	0.00		201,816		-				
72		AMORTIZED	3.33		92,709		3,087				
73		TOTAL STORES EQUIPMENT	1.17	\$	294,525	\$	3,087	\$	(3,090)	\$	(2)
74	394.00	TOOLS, SHOP AND GARAGE EQUIPMENT									
75		FULLY ACCRUED	0.00		7,797,593		-				
76		AMORTIZED	4.00		16,118,439		644,738				
77		TOTAL TOOLS, SHOP AND GARAGE EQUIPMENT	3.36	\$	23,916,033	\$	644,738	\$	(678,626)	\$	(33,888)
78	395.00	LABORATORY EQUIPMENT									
79		FULLY ACCRUED	0.00		280,526		-				
80		AMORTIZED	5.00		1,743,771		87,189				
81		TOTAL LABORATORY EQUIPMENT	4.46	\$	2,024,297	\$	87,189	\$	(84,385)	\$	2,803
82	396.00	POWER OPERATED EQUIPMENT	11.88		1,137,120		135,090		-		135,089.82
83	397.00	COMMUNICATION EQUIPMENT									
84		FULLY ACCRUED	0.00		3,016,914		-				
85		AMORTIZED	6.67		2,556,688		170,531				
86		TOTAL COMMUNICATION EQUIPMENT	2.49	\$	5,573,602	\$	170,531	\$	(98,469)	\$	72,062
87	398.00	MISCELLANEOUS EQUIPMENT									
88		FULLY ACCRUED	0.00		298,253		-				
89		AMORTIZED	5.00		405,527		20,276				
90		TOTAL MISCELLANEOUS EQUIPMENT	4.33	\$	703,779	\$	20,276	\$	(42,771)	\$	(22,494)
91	-	TOTAL GENERAL PLANT	4.73	\$	65,745,887	\$	1,985,009	\$	(1,632,722)	\$	352,287
92		TOTAL DEPRECIABLE PLANT	1.81	\$	2,740,997,957	\$	41,560,264 [.2]	\$	(28,400,000) [.2	\$	13,160,264 [.2]

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Northern Indiana Public Service Company Calculation of 2018 Depreciation Expense - 2018 Original Cost Gross Plant at NEW Depreciation Rates Twelve Months Ending June 30, 2018

Line No.	FERC Account	ACCOUNT	ANNUA	SD CULATED L ACCRUAL MOUNT	CAL ANNU	ettlement LCULATED AL ACCRUAL MOUNT	ase/Decrease
		A		В		С	D = C - B
1		DEPRECIABLE PLANT					
2	ι	INDERGROUND STORAGE PLANT					
1	350.20	LEASEHOLDS	\$	485	\$	489	\$ 4
3	350.40	RIGHTS OF WAY		8,425		8,376	(49)
2	351.10	WELL STRUCTURES		296		295	(1)
4	351.20	COMPRESSOR STATION STRUCTURES		1,125		1,136	11
3	351.30	MEASURING AND REGULATING STATION STRUCTURES		11,239		5,054	(6,185)
5	351.40	OTHER STRUCTURES		14,900		20,305	5,405
4	352.00	WELLS		15,859		16,133	274
6	352.30	NONRECOVERABLE NATURAL GAS		54,949		55,078	129
5	353.00	LINES		441,824		428,548	(13,276)
7	354.00	COMPRESSOR STATION EQUIPMENT		196,428		128,207	(68,221)
6	355.00	MEASURING AND REGULATING STATION EQUIPMENT		29,722		35,082	5,360
8	356.00	PURIFICATION EQUIPMENT		194,424		194,517	93
7	357.00	OTHER EQUIPMENT		2,055		2,026	(29)
9	т	OTAL UNDERGROUND STORAGE PLANT	\$	971,731	\$	895,244	\$ (76,487)
8	c	OTHER STORAGE PLANT					
9	361.00	STRUCTURES AND IMPROVEMENTS		278,633		267,514	(11,119)
10	362.10	GAS HOLDERS		12,316		12,860	544
11	363.00	PURIFICATION EQUIPMENT		33,702		33,873	171
12	363.10	LIQUEFACTION EQUIPMENT		111,453		108,628	(2,825)
13	363.20	VAPORIZING EQUIPMENT		26,533		26,597	64
14	363.30	COMPRESSOR EQUIPMENT		61,374		61,364	(10)
15	363.40	MEASURING AND REGULATING EQUIPMENT		20,929		20,903	(26)
16	363.50	OTHER EQUIPMENT		120,818		112,726	(8,092)
17	Т	OTAL OTHER STORAGE PLANT	\$	665,758	\$	644,462	\$ (21,296)
18	т	RANSMISSION PLANT					
19	365.20	LAND RIGHTS		249,491		249,947	456
20	366.20	MEASURING AND REGULATING STATION STRUCTURES		107,062		141,349	34,287
21	366.30	OTHER STRUCTURES		5,791		19,750	13,959
22	367.00	MAINS		7,663,579		5,082,347	(2,581,232)
23	369.00	MEASURING AND REGULATING STATION EQUIPMENT		1,579,356		1,570,561	(8,795)
24	371.00	OTHER EQUIPMENT		12,470		4,806	(7,664)
25	Т	OTAL TRANSMISSION PLANT	\$	9,617,749	\$	7,068,760	\$ (2,548,989)
26		DISTRIBUTION PLANT					
27	374.20	LAND RIGHTS		19,824		21,812	1,988
28	375.00	STRUCTURES AND IMPROVEMENTS		48,283		57,811	9,528
29	376.10	MAINS - STEEL		5,856,835		4,671,523	(1,185,312)
30	376.20	MAINS - PLASTIC		0,330,582		11,093,756	763,174
31	378.00	MEASURING AND REGULATING STATION EQUIPMENT - GENERAL		1,289,626		1,103,124	(186,502)
32	380.10	SERVICES - STEEL		3,361,490		2,214,659	(1,146,831)
33	380.20	SERVICES - PLASTIC		5,517,816		16,398,788	880,972
34	381.00	METERS		6,491,129		6,561,116	69,987
35	382.00	METER INSTALLATIONS		683,062		710,587	27,525
36	383.00	HOUSE REGULATORS		1,334,688		1,277,889	(56,799)
37	384.00	HOUSE REGULATOR INSTALLATIONS INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT		13,880		14,091	211
38 39	385.00 386.00	OTHER PROPERTY ON CUSTOMER PREMISES		1,150,016 1,202		1,176,010 1,592	25,994 390
40	Т	OTAL DISTRIBUTION PLANT	\$ 4	6,098,433	\$	45,302,759	\$ (795,674)

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Northern Indiana Public Service Company Calculation of 2018 Depreciation Expense - 2018 Original Cost Gross Plant at NEW Depreciation Rates Twelve Months Ending June 30, 2018

Line No.	FERC Account	ACCOUNT A	SD CALCULATED ANNUAL ACCRUAL AMOUNT B	Settlement CALCULATED ANNUAL ACCRUAL AMOUNT C	Increase/Decrease D = C - B
41	(GENERAL PLANT			
42	389.20	LAND RIGHTS	45,189	45,272	83
43	390.00	STRUCTURES AND IMPROVEMENTS			
44		GAS OPERATIONS CENTER	135,922	135,922	-
45 46		SOUTH BEND OPERATIONS HEADQUARTERS CENTRAL GAS METER SHOP	268,730 158,471	268,730 158,471	-
47		PERU OPERATIONS HEADQUARTERS	89,717	89,717	-
48		FORT WAYNE OPERATIONS HEADQUARTERS	236,024	236,024	-
49		OTHER MISCELLANEOUS STRUCTURES	310,430	302,932	(7,498)
50		TOTAL STRUCTURES AND IMPROVEMENTS	\$ 1,199,294	\$ 1,191,796	\$ (7,498)
51	391.10	OFFICE FURNITURE AND EQUIPMENT			
52		FULLY ACCRUED	44.754	40.000	4.000
53 54		AMORTIZED TOTAL OFFICE FURNITURE AND EQUIPMENT	\$ 44,754 \$ 44,754	\$ 46,682 \$ 46,682	1,928 \$ 1,928
			,	Ψ 10,002	Ψ 1,020
55 56	391.20	COMPUTER EQUIPMENT FULLY ACCRUED	-	-	-
57		AMORTIZED	129,557	129,135	(422)
58		TOTAL COMPUTER EQUIPMENT	\$ 129,557	\$ 129,135	\$ (422)
59		TOTAL ACCOUNT 391	\$ 174,311	\$ 175,817	\$ 1,506
60		TRANSPORTATION EQUIPMENT			
60 61	392.10	AUTOS	-	-	-
62		TRAILERS	-	-	-
63		TRUCKS < 13,000 #	-	-	-
64 65		TRUCKS > 13,000 # TOTAL TRANSPORTATION EQUIPMENT	\$ -	\$ -	\$ -
			•	•	Ť
66 67	393.00	STORES EQUIPMENT FULLY ACCRUED	_	_	_
68		AMORTIZED	3,091	2,826	(265)
69		TOTAL STORES EQUIPMENT	\$ 3,091	\$ 2,826	\$ (265)
70	394.00	TOOLS, SHOP AND GARAGE EQUIPMENT			
71		FULLY ACCRUED	-	-	-
72 73		AMORTIZED TOTAL TOOLS, SHOP AND GARAGE EQUIPMENT	644,952 \$ 644,952	653,073 \$ 643,302	\$ 8,121 \$ 8,121
70		TOTAL TOOLS, SHOT THE STRATE EXCHINENT	ψ 044,002	Ψ 040,002	Ψ 0,121
74	395.00	LABORATORY EQUIPMENT			
75 76		FULLY ACCRUED AMORTIZED	- 87,229	- 84,880	(2,349)
77		TOTAL LABORATORY EQUIPMENT	\$ 87,229	\$ 84,880	\$ (2,349)
70	000.00	DOWED OPED TED FOUNDMENT			, ,
78	396.00	POWER OPERATED EQUIPMENT	-	-	-
79	397.00	COMMUNICATION EQUIPMENT			
80		FULLY ACCRUED	470.400	-	(07.000)
81 82		AMORTIZED TOTAL COMMUNICATION EQUIPMENT	170,460 \$ 170,460	142,467 \$ 142,467	\$ (27,993) \$ (27,993)
83 84	398.00	MISCELLANEOUS EQUIPMENT FULLY ACCRUED			
85		AMORTIZED	20,275	18,494	(1,781)
86		TOTAL MISCELLANEOUS EQUIPMENT	\$ 20,275	\$ 18,494	\$ (1,781)
87	7	TOTAL GENERAL PLANT	\$ 2,344,801	\$ 2,304,854	\$ (30,176)
-					
88	391.10	ERED RESERVE ADJUSTMENT FOR AMORTIZATION	75,567	75,567	_
89	391.20		676,503	676,503	-
90	393.00		6,953	6,953	-
91	394.00		725,054	725,054	-
92	395.00 397.00		126,205 325,879	126,205 325,879	-
93 94	397.00 398.00		(25,952)	325,879 (25,952)	- -
	,	TOTAL DEPRECIABLE PLANT ¹	£ 64.000.004	♠ F 0.400.000 - · ·	£ /2 /70 000°
95	!	OTAL DEL MEDIADEL I ENGL	\$ 61,608,681	\$ 58,126,288 [.2]	\$ (3,472,622)

Footnote 1: Model available upon request

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Northern Indiana Public Service Company Pro forma Adjustment to Depreciation and Amortization Expense Twelve Months Ending June 30, 2018

This pro forma adjusts the twelve months ended December 31, 2016 common depreciation expense to reflect budgeted changes in common asset depreciation expense for the twelve months ending December 31, 2017 and June 30, 2018.

Line		Attachment 3-C-S1				Page
No.	Description	Reference	Adjustment		Amount	Reference
	A	В	С		D	E
1	Gas Common Depreciation Expense for the Twelve Months Ended December 31,	Sch. DEPR 2-S1		\$	5,709,995	[.2]
2	2017 Forecasted Gas Common Depreciation Expense					
3	Increase/(Decrease) in Historical Base Period 2016 to Forward 2017 Period	Sch. DEPR 2-S1	DEPR 2-S1-17	-	(3,812,032)	
4	Gas Common Depreciation Expense - Forecasted Jan-Dec 2017 (Line 1 + 3)	Sch. DEPR 2-S1		\$	1,897,963	[.3]
5	2018 Forecasted Gas Common Depreciation Expense					
6	Increase/(Decrease) in Forward 2017 Period to Forward 2018 Test Year	Sch. DEPR 2-S1	DEPR 2-S1-18		142,105	
7	Gas Common Depreciation Expense for the twelve months ending June 30, 2018 (Line 4 + 6)	Sch. DEPR 2-S1		\$	2,040,068	[.4]
8	2018 Ratemaking Gas Common Depreciation Expense					
9	Ratemaking Adjustments					
10	Rebuttal True Up	Sch. DEPR 2-S1	DEPR 2-R-18R		(120,511)	
11	Settlement True Up	Sch. DEPR 2-S1	DEPR 2-S1-18R		(147,520)	
12	2018 Ratemaking Increase/(Decrease)			\$	(268,031)	
13	2018 Ratemaking Gas Common Depreciation Expense	Sch. DEPR 2-S1		\$	1,772,037	[.5]

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Northern Indiana Public Service Company Gas Common Depreciation Expense Account 40300000 - Common Allocated Twelve Months Ended December 31, 2016

						2016													Twelve Months Ended	
Line No	. Segment	Account	Cost Element	J	lanuary	F	ebruary	March	April	Мау	June	July	August	September	Octobe		lovember	Decemb	oer	December 31, 2016
1	G	40300000	9310 - Other Depreciation	\$	492,667	\$	497,526 \$	536,736 \$	630,729 \$	630,567 \$	630,614 \$	630,673 \$	627,338	\$ 627,413	\$ 135,0	97 \$	135,312	\$ 135	,322	\$ 5,709,995 [.1]
2		Total (Common Asset Depreciation	\$	492,667	\$	497,526 \$	536,736 \$	630,729 \$	630,567 \$	630,614 \$	630,673 \$	627,338	\$ 627,413	\$ 135,0	97 \$	135,312	\$ 135	,322	\$ 5,709,995

Workpaper DEPR 2-S1 Page [.3]

Northern Indiana Public Service Company Calculation of 2017 Common Depreciation Expense 2017 Original Cost Gross Plant at Cause No. 44688 Depreciation Rates Twelve Months Ending December 31, 2017

Line No.		ACCOUNT	ANNUAL ACCRUAL RATE Cause No. 44688		ecember 31, 2017 ORIGINAL COST	2017 ANNUAL Depreciation Expense Cause No. 44688 Rates C = A x B		
1	•	OMMON DEPRECIABLE PLANT	A		В		C=AXB	
'	C	OMMON DEPRECIABLE PLANT						
2	G	ENERAL PLANT						
3	389.10	38910 Land, Common	0.00%	\$	487,858	\$	-	
4	389.20	38920 Land Rights, Common	0.00%		7,270		-	
5	389.30	38930 Indiana Rights of Way, Common	0.00%		1,452,744		-	
6	390.00	39000 Structures & Improvement, Com	3.00%		20,239,257		607,178	
7	390.10	39010 Struct Leased To Others, Com	3.00%	Α	550,100		16,503	
8	391.10	39110 Office Furniture & Equip, Com	0.67%		1,274,190		8,537	
9	391.20	39120 Computer Equipment, Common	12.06%		5,397,690		650,961	
10	392.10	39210 Trns Eq - Autos, Common	0.00%	В	13,973		-	
11	392.20	39220 Trns Eq - Trailers, Common	6.34%	В	358,995		22,760	
12	392.30	39230 Trns Eq - Truck < 13000, Com	0.00%	В	5,254		-	
13	392.40	39240 Trns Eq - Truck > 13000, Com	0.00%	В	56,137		-	
14	392.80	39280 Trns Eq - Helicopter, Common	0.00%	В	101,153		-	
15	393.00	39300 Stores Equipment, Common	4.47%		840,146		37,555	
16	394.00	39400 Tools, Shop, Garage Eq, Com	3.70%		1,542,217		57,062	
17	395.00	39500 Laboratory Equipment, Common	11.12%		233,433		25,958	
18	396.00	39600 Power Operated Equip, Common	0.00%		164,394		-	
19	397.00	39700 Communication Equip, Common	7.48%		875,513		65,488	
20	397.10	39710 Communication Equip, Common	7.48%		1,311,528		98,102	
21	397.20	39720 Microwave Equipment, Common	7.48%		3,726,450		278,738	
22	398.00	39800 Com Miscellaneous Equip	4.51%		645,683		29,120	
23	T	OTAL GENERAL PLANT		\$	39,283,984	\$	1,897,963	

A Assets from group 390.1 were transferred to group 390 in 2017 and then depreciated at the corresponding 3.00% rate. The 3.00% rate was then applied to this group for the 2017 forecast year.

B The 392 common group accounts were not studied as part of the 44688 case. The rate used in the 392.2 account is from the fixed asset system of record.

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Northern Indiana Public Service Company Calculation of 2018 Common Depreciation Expense 2018 Original Cost Forecasted Gross Plant at Cause No. 44688 Depreciation Rates Twelve Months Ending December 31, 2018

Line No.		ACCOUNT	ANNUAL ACCRUAL RATE Cause No. 44688	3	ember 31, 2018 ORIGINAL COST	2018 ANNUAL Depreciation Expense Cause No. 44688 Rates			
			Α		В		$C = A \times B$		
1	С	OMMON DEPRECIABLE PLANT							
2	G	ENERAL PLANT							
3	389.10	38910 Land, Common	0.00%		\$ 487,858	\$	-		
4	389.20	38920 Land Rights, Common	0.00%		7,270		-		
5	389.30	38930 Indiana Rights of Way, Common	0.00%		1,452,744		-		
6	390.00	39000 Structures & Improvement, Com	3.00%		20,656,521		619,696		
7	390.10	39010 Struct Leased To Others, Com	3.00%	Α	550,100		16,503		
8	391.10	39110 Office Furniture & Equip, Com	0.67%		1,274,190		8,537		
9	391.20	39120 Computer Equipment, Common	12.06%		6,472,208		780,548		
10	392.10	39210 Trns Eq - Autos, Common	0.00%	В	13,973		-		
11	392.20	39220 Trns Eq - Trailers, Common	6.34%	В	358,995		22,760		
12	392.30	39230 Trns Eq - Truck < 13000, Com	0.00%	В	5,254		-		
13	392.40	39240 Trns Eq - Truck > 13000, Com	0.00%	В	56,137		-		
14	392.80	39280 Trns Eq - Helicopter, Common	0.00%	В	101,153		-		
15	393.00	39300 Stores Equipment, Common	4.47%		840,146		37,555		
16	394.00	39400 Tools, Shop, Garage Eq, Com	3.70%		1,542,217		57,062		
17	395.00	39500 Laboratory Equipment, Common	11.12%		233,433		25,958		
18	396.00	39600 Power Operated Equip, Common	0.00%		164,394		-		
19	397.00	39700 Communication Equip, Common	7.48%		875,513		65,488		
20	397.10	39710 Communication Equip, Common	7.48%		1,311,528		98,102		
21	397.20	39720 Microwave Equipment, Common	7.48%		3,726,450		278,738		
22	398.00	39800 Com Miscellaneous Equip	4.51%	-	645,683		29,120		
23	T	OTAL GENERAL PLANT		_	\$ 40,775,766	\$	2,040,068		

A Assets from group 390.1 were transferred to group 390 in 2017 and then depreciated at the corresponding 3.00% rate. The 3.00% rate was then applied to this group for the 2017 forecast year.

B The 392 common group accounts were not studied as part of the 44688 case. The rate used in the 392.2 account is from the fixed asset system of record.

Workpaper DEPR 2-S1 Page [.5]

Northern Indiana Public Service Company Calculation of 2018 Common Depreciation Expense 2018 Original Cost Forecasted Gross Plant at Cause No. 44688 Depreciation Rates Twelve Months Ending June 30, 2018

Line No.		ACCOUNT	ANNUAL ACCRUAL RATE Cause No. 44688		December 31, 2018 ORIGINAL COST			2018 ANNUAL epreciation Expense Cause No. 44688 Rates
			A			В		C = A x B
1	С	OMMON DEPRECIABLE PLANT						
2	G	ENERAL PLANT						
3	389.10	38910 Land, Common	0.00%		\$	482,307	\$	-
4	389.20	38920 Land Rights, Common	0.00%			7,270		-
5	389.30	38930 Indiana Rights of Way, Common	0.00%			1,452,744		-
6	390.00	39000 Structures & Improvement, Com	3.00%			21,160,817		634,825
7	390.10	39010 Struct Leased To Others, Com	3.00%	Α		-		-
8	391.10	39110 Office Furniture & Equip, Com	0.67%			1,317,056		8,824
9	391.20	39120 Computer Equipment, Common	12.06%			4,734,935		571,033
10	392.10	39210 Trns Eq - Autos, Common	0.00%	В		-		-
11	392.20	39220 Trns Eq - Trailers, Common	6.34%	В		38,150		2,419
12	392.30	39230 Trns Eq - Truck < 13000, Com	0.00%	В		-		-
13	392.40	39240 Trns Eq - Truck > 13000, Com	0.00%	В		44,790		-
14	392.80	39280 Trns Eq - Helicopter, Common	0.00%	В		53,714		-
15	393.00	39300 Stores Equipment, Common	4.47%			643,644		28,771
16	394.00	39400 Tools, Shop, Garage Eq, Com	3.70%			1,428,931		52,870
17	395.00	39500 Laboratory Equipment, Common	11.12%			219,029		24,356
18	396.00	39600 Power Operated Equip, Common	0.00%			163,831		-
19	397.00	39700 Communication Equip, Common	7.48%			392,817		29,383
20	397.10	39710 Communication Equip, Common	7.48%			1,339,768		100,215
21	397.20	39720 Microwave Equipment, Common	7.48%			3,851,626		288,102
22	398.00	39800 Com Miscellaneous Equip	4.51%	_		692,676		31,240
23	T	OTAL GENERAL PLANT		_	\$	38,024,106	\$	1,772,037

A Assets from group 390.1 were transferred to group 390 in 2017 and then depreciated at the corresponding 3.00% rate. The 3.00% rate was then applied to this group for the 2017 forecast year.

B The 392 common group accounts were not studied as part of the 44688 case. The rate used in the 392.2 account is from the fixed asset system of record.

Workpaper AMTZ 1-S1 Page [.1]

Northern Indiana Public Service Company Pro forma Adjustment to Depreciation and Amortization Expense Twelve Months Ending June 30, 2018

This pro forma adjustment decreases the twelve months ended December 31, 2016 amortization expense to reflect changes in gas plant amortization expense for the twelve months ending December 31, 2017 and June 30, 2018.

Line No.	Description	Attachment 3-C-S1 Reference	Adjustment	Amount	Page Reference
	A	В	С	D	E
1	Gas Plant Amortization for the Twelve Months Ended December 31, 2016	Sch. AMTZ 1-S1		\$ 1,584,765	[.2]
2	2017 Gas Plant Assets Amortization Expense	Sch. AMTZ 1-S1	AMTZ 1-S1-17	(40,525)	[.3]
3	2018 Gas Plant Assets Amortization Expense	Sch. AMTZ 1-S1	AMTZ 1-S1-18	32,458	[.4]
4	2018 Rebuttal True Up	Sch. AMTZ 1-S1	AMTZ 1-R-18R	(141,121)	[.4]
5	2018 Settlement True Up	Sch. AMTZ 1-S1	AMTZ 1-S1-18R		[.4]
6	Increase (Decrease) in Gas Plant Assets Amortization Expense (Lines 2 + 3 + 4)			\$ (149,188)	
7	Gas Plant Amortization Expense for the Twelve Months Ending June 30, 2018 (Lines 1 + 5)	Sch. AMTZ 1-S1		\$ 1,435,577	

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Northern Indiana Public Service Company 2016 Gas Plant Amortization Expense Actuals Twelve Months Ended December 31, 2016

Line				2016 T											Twelve Mon	ths Ended	
No.	Segment	Account	Description	January	February	March	April	May	June	July	August	September	October	November	December	December	31, 2016
1	G	40420000	Underground Storage Rights	\$ 5	\$ 5 9	5 \$	5 5	\$ 5 9	5 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$	60
2	G	40430000	Amortization Exp-Other	107,592	149,825	128,646	128,646	128,646	128,646	134,172	134,172	134,172	134,172	134,172	134,172		1,577,033
3	G	40500000	Amortization of Oth Plant	642	642	642	642	642	642	642	642	642	642	627	627		7,672
4		Amort	ization Expense - Gas Assets	\$ 108,239	\$ 150,472	\$ 129,292	\$ 129,292	\$ 129,292	\$ 129,292	\$ 134,819	\$ 134,819	\$ 134,819	\$ 134,819	\$ 134,804	\$ 134,804	\$	1,584,765 [.3] [.5]

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> Workpaper AMTZ 1-S1 Page [.3]

Northern Indiana Public Service Company Calculation of 2017 Gas Plant Assets Amortization Expense Twelve Months Ending December 31, 2017

Line No.	Description	Gas Plant count 303g
1	Gas Plant Asset Amortization Expense Projection - Month ending December 2017	\$ 128,687 [.5]
2	Multiplied by 12	 12
3	Gas Plant Asset Amortization Expense Projection - Twelve Months ending December 2017	\$ 1,544,240 [.4]
4	Gas Plant Asset Amortization Expense Actuals - Twelve Months Ended December 2016	 1,584,765 [.2]
5	Pro forma Adjustment to annualize for Gas Plant Asset Amortization Expense	\$ (40,525) [.1]

Workpaper AMTZ 1-S1 Page [.4]

Northern Indiana Public Service Company Calculation of 2018 Gas Plant Assets Amortization Expense Twelve Months Ending June 30, 2018

Twelve Me	onths Ending June 30, 2018					
Line No.	Description		pplemental Direct Gas Plant count 303g		Settlement Gas Plant ccount 303g	ement True Up Gas Plant ccount 303g
	A	В			С	D = C - B
1	Gas Plant Asset Amortization Expense Projection - Month ending December 2018	\$	131,391 [.5	\$	119,631 [.5]	\$ (11,760) [.5]
2	Multiplied by 12		12		12	12
3	Gas Plant Asset Amortization Expense Projection - Twelve Months ending June 30, 2018	\$	1,576,698	\$	1,435,577	\$ (141,121)
4	Gas Plant Asset Amortization Expense Projection - Twelve Months ending December 31, 2017		1,544,240 [.3	1		
5	Pro forma Adjustment to Annualize for Gas PlantAsset Amortization Expense (Line 3 - 4)	\$	32,458 [.1	1		
6	LESS: Rebuttal True-up					 (141,121) [.1]
7	Settlement True-up					\$ [.1]

Workpaper AMTZ 1-S1 Page [.5]

Northern Indiana Public Service Company Rate Base - Gas Plant Account Amortization Expense Model Excerpt

December 31, 2016 & 2017 and June 30, 2018

Note: Detailed model available upon request

	FERC														
Line No	Account	Intangible Account	12/31/2016	1/31/2017	2/28/2017	3/31/2017	4/30/2017	5/31/2017	6/30/2017	7/31/2017	8/31/2017	9/30/2017	10/31/2017	11/30/2017	12/31/2017
1	303g	GAS ASSET - INTANGIBLES	\$1,584,765 [.2]	\$ 120,358	\$ 120,946	\$ 122,013	122,516	\$ 123,174	\$ 123,728	123,945	124,743	125,427	\$ 126,389	\$ 127,121	\$ 128,687 [.3]

	FERC										xpense based on 6/30/18
Line No	Account	Utility Plant		1/31/2018	2/28/2018	3/31/2018	4/30/2018	5/31/2018	6/30/2018	(Gross Plant
2	303g	GAS ASSET - INTANGIBLES	SD Filing	\$ 128,904	\$ 129,079 \$	129,398	\$ 129,548	\$ 129,745 \$	129,910	\$	131,391 [.4]
			Settlement	119,631	119,631	119,631	119,631	119,631	119,631		119,631 [.4]
			Settlement True Up	\$ (9,272)	\$ (9,448) \$	(9,766)	\$ (9,917)	\$ (10,113) \$	(10,279)	\$	(11,760) [.4]

Workpaper AMTZ 2-S1 Page [.1]

Northern Indiana Public Service Company Pro forma Adjustment to Depreciation and Amortization Expense Twelve Months Ending June 30, 2018

This pro forma adjustment increases the twelve months ended December 31, 2016 amortization expenses for additional expenses due to growth in intangible assets for the twelve months ending December 31, 2017 and June 30, 2018.

Line		Attachment 3-C-S1			Page
No.	Description	Reference	Adjustment	Amount	Reference
	A	В	С	D	Е
1	Gas Common Assets Amortization for the Twelve Months Ended December 31, 2016	Sch. AMTZ 2-S1		\$ 3,066,069	[.2]
2	2017 Common Asset Amortization Expense	Sch. AMTZ 2-S1	AMTZ 2-S1-17	586,855	[.3]
3	2018 Common Asset Amortization Expense	Sch. AMTZ 2-S1	AMTZ 2-S1-18	570,256	[.4]
4	2018 Rebuttal True Up	Sch. AMTZ 2-S1	AMTZ 2-R-18R	(497,397)	[.4]
5	2018 Settlement True Up	Sch. AMTZ 2-S1	AMTZ 2-S1-18R	(286,062)	[.4]
6	Increase in Gas Common Assets Amortization Expense (Lines 2 + 3 + 4)		-	\$ 373,652	
7	Gas Common Assets Amortization Expense for the Twelve Months Ending June 30, 2018 (Lines 1 + 5)	Sch. AMTZ 2-S1	=	\$ 3,439,721	

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Workpaper AMTZ 2-S1 Page [.2]

Northern Indiana Public Service Company 2016 Gas Common Assets Amortization Expense Actuals Twelve Months Ended December 31, 2016

			Tw	elve Months Ended	
Line No.	Account	Description		Dec. 31, 2016	
1	303.00	COMMON ASSET - INTANGIBLES	\$	1,831,242	[.3]
2	303.00	COMMON ASSET - GL SOFTWARE		1,190,357	[.3]
3	303.00	COMMON ASSET - OTHER		-	[.3]
4	390.20	COMMON ASSET - LEASEHOLDS		44,470	[.3]
5		TOTAL COMMON AMORTIZATION EXPENSE	\$	3,066,069	[.1]

Workpaper AMTZ 2-S1

Northern Indiana Public Service Company Calculation of 2017 Gas Common Assets Amortization Expense Twelve Months Ending December 31, 2017

			s Common ccount 303		s Common count 303	as Common account 303		as Common count 390.20		as Common Accounts
Line No.	Description	Ir	ntangibles	Gei	neral Ledger Software	Other	L	easeholds		Total
			A		В	С		D	Е	= A thru D
1	Gas Common Asset Amortization Expense Projection - Month ending December 2017	\$	199,987	\$	100,648	\$ -	\$	3,776	\$	304,410 [.5]
2	Multiplied by 12		12		12	12		12	_	12
3	Gas Common Asset Amortization Expense Actuals - Twelve Months ending December 2017	\$	2,399,838	\$	1,207,774	\$ -	\$	45,312	\$	3,652,924 [.4]
4	Gas Common Asset Amortization Expense Actuals - Twelve Months Ended December 2016		1,831,242		1,190,357	-		44,470		3,066,069 [.2]
5	Pro forma Adjustment to annualize for Gas Common Asset Amortization Expense (Line 3 - 4)	\$	568,596	\$	17,417	\$ _	\$	842	\$	586,855 [.1]

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Workpaper AMTZ 2-S1 Page [.4]

Northern Indiana Public Service Company Calculation of 2018 Gas Common Assets Amortization Expense

Twe	ve Months Ending June 30, 2018									Su	ipplemental			•	
			s Common count 303	_	as Common account 303	_	as Common	_	Sas Common account 390.20		Direct as Common Accounts	Ga	Settlement as Common Accounts		lement True Up Sas Common Accounts
Line No.		lr	tangibles	General Ledger les Software		Other		Leaseholds		Total			Total		Total
			Ā		В		С		D		E		F		G = F - E
1	Gas Common Asset Amortization Expense Projection - Month ending December 2018	\$	247,508	\$	100,648	\$	-	\$	3,776	\$	351,932 [.5]	\$	286,643 [.5] \$	(65,288) [.5]
2	Multiplied by 12		12		12		12		12		12		12		12
3	Gas Common Asset Amortization Expense Actuals - Twelve Months ending June30, 2018	\$	2,970,094	\$	1,207,774	\$	-	\$	45,312	\$	4,223,180	\$	3,439,721	\$	(783,459)
4	Gas Common Asset Amortization Expense Actuals - Twelve Months ending December 31, 2017		2,399,838		1,207,774				45,312		3,652,924 [.3]				
5	Pro forma Adjustment to annualize for Gas Common Asset Amortization Expense (Line 3 - 4)	\$	570,256	\$		\$		\$		\$	570,256 [.1]				
6	LESS: Rebuttal True-up													_	(497,397) [.1]
7	Settlement True-up													\$	(286,062) [.1]

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Workpaper AMTZ 2-S1 Page [.5]

(65,288) [.4]

Northern Indiana Public Service Company Rate Base - Gas Common Account Amortization Expense Model Excerpt December 31, 2016 & 2017 and June 30, 2018

Note: Detailed model available upon reques

				Supple	mental Direct Mode	el													
	FERC																		
Line No		ble Account	12/31/2016		1/31/2017	2/28/2017	3/31/2017	4/30/2017	5/31/2017	6/30/2017	7/31/2017	8/31/2017	9/30/2017	10/31/2017	11/30/2017	12/31/2017	1		
2	303.00 COMMON ASSE		\$ 1,831,242 [.2]	\$	151,467 \$	155,034 \$	160,433 \$	163,482 \$	167,468 \$	170,830 \$	172,144 \$	176,980 \$	181,122 \$	186,955 \$	191,389 \$	199,987	[.3]		
3	303.00 COMMON ASSE		1,190,357 [.2]		100,648	100,648	100,648	100,648	100,648	100,648	100,648	100,648	100,648	100,648	100,648	100,648	[.3]		
4	303.00 COMMON ASSE		- [.2]		-	-	-	-	-	-	-	-	-	-	-	-	[.3]		
5	390.20 COMMON ASSE	Γ - LEASEHOLDS	44,470 [.2]		3,776	3,776	3,776	3,776	3,776	3,776	3,776	3,776	3,776	3,776	3,776	3,776	[.3]		
6	TOTAL INTANGIBLE AMOR	TIZATION EXPENSE	\$ 3,066,069 [.1]	\$	255,891 \$	259,458 \$	264,856 \$	267,906 \$	271,892 \$	275,254 \$	276,568 \$	281,404 \$	285,546 \$	291,379 \$	295,813 \$	304,410	[.3]		
				Supple	mental Direct Mode	el													
	FERC																	Expense based on	
Line No	Account Util	ity Plant			1/31/2018	2/28/2018	3/31/2018	4/30/2018	5/31/2018	6/30/2018	7/31/2018	8/31/2018	9/30/2018	10/31/2018	11/30/2018	12/31/2018	17	2/31/18 Gross Plant	
11	303.00 COMMON ASSET	Γ - INTANGIBLES		\$	195,317 \$	199,971 \$	208,400 \$	211,348 \$	216,548 \$	220,780 \$	222,494 \$	223,532 \$	228,935 \$	236,546 \$	242,329 \$	247,508	\$	247,508 [.4]
12	303.00 COMMON ASSET	T - GL SOFTWARE			100,648	100,648	100,648	100,648	100,648	100,648	100,648	100,648	100,648	100,648	100,648	100,648		100,648 [.	.4]
13	303.00 COMMON ASSET	Γ - OTHER			-	-	-	-	-	-	-	-	-	-	-	-		- [.	.4]
14	390.20 COMMON ASSET	Γ - LEASEHOLDS			3,776	3,776	3,776	3,776	3,776	3,776	3,776	3,776	3,776	3,776	3,776	3,776		3,776 [.	4]
15	TOTAL INTANGIBLE AMOR	TIZATION EXPENSE		\$	299,741 \$	304,395 \$	312,823 \$	315,772 \$	320,972 \$	325,204 \$	326,918 \$	327,955 \$	333,359 \$	340,969 \$	346,753 \$	351,932	\$	351,932 [.4]
				Settlen	nent Model														
	FERC																	Expense based on	
Line No	Account Util	ity Plant			1/31/2018	2/28/2018	3/31/2018	4/30/2018	5/31/2018	6/30/2018							6	30/18 Gross Plant	
11	303.00 COMMON ASSE			\$	139,855 \$	144,034 \$	151,602 \$	155,320 \$	164,864 \$	182,220			·		·		\$	182,220 [.	.4]
12	303.00 COMMON ASSET	Γ - GL SOFTWARE			100,648	100,648	100,648	100,648	100,648	100,648								100,648 [.	.4]
13	303.00 COMMON ASSET	Γ - OTHER			-	-	-	-	-	-								- [-	.4]
14	390.20 COMMON ASSET	T - LEASEHOLDS			3,776	3,776	3,776	3,776	3,776	3,776								3,776 [.	4]
15	TOTAL INTANGIBLE AMOR	TIZATION EXPENSE		\$	244,279 \$	248,458 \$	256,026 \$	259,744 \$	269,288 \$	286,643							\$	286,643 [.	.4]

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Northern Indiana Public Service Company Pro forma Adjustment to Depreciation and Amortization Expense Twelve Months Ending June 30, 2018

This pro forma adjustment increases the twelve months ending December 31, 2018 amortization expense to include the annual amortization of the Transmission, Distribution, and Storage System Improvement Charge (TDSIC) pro forma regulatory asset which is included in the proposed rate base as of June 30, 2018.

Line		Attachment 3-C-S1			Page
No.	Description	Reference	Adjustment	Amount	Reference
	A	В	С	D	Е
1	Gas TDSIC Non-Trackable Regulatory Asset Balance as of the Twelve Months Ended December 31, 2016			\$ 7,542,387	[.2]
2	2016 Adjustment to remove tax gross-up for amount in excess of 2% (TDSIC 4)			\$ (555,111)	[.3]
3	2017 TDSIC Deferrals			\$ 5,679,471	[.2]
4	2018 TDSIC Deferrals			\$ 4,268,024	[.5]
5	2018 Equity Tax Gross-up			\$ 3,169,446	[.4]
6	Increase (Decrease) in TDSIC Regulatory Asset (Lines 2 + 3 + 4 + 5)			\$ 12,561,831	
7	Gas TDSIC Regulatory Asset as of the Twelve Months Ending June 30, 2018 (Lines 1 + 6)			\$ 20,104,218	
8	TDSIC Regulatory Asset amortization period (in years)			 7	
9	Pro forma Increase for Gas TDSIC Amortization Expense for the Twelve Months Ending June 30, 2018 (Line 8 divided by Line 9)	Sch. AMTZ 3-S1	AMTZ 3-S1-18R	\$ 2,872,031	

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Northern Indiana Public Service Company TDSIC Regulatory Asset Actuals as of December 31, 2016, 2017

Account Number: 18235625	De	As of ec. 31, 2016	D	As of ec. 31, 2017	ross Up ting Entry	017 TDSIC Deferrals
TDSIC Non-Trackable Regulatory Asset	\$		\$	12,666,747	 (555,111)	
		[.1]		[.5]	[.3]	[.1]

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Northern Indiana Public Service Company Rate Base - TDSIC Regulatory Asset Normalization as of December 31, 2016

Line	Description	As of	Dec. 31, 2016
1	Return on Capital - Equity	\$	380,205 [.6]
2	Post In-Service Carrying Costs - Equity		174,905 [.6]
	Pro-Forma Adjustment to Normalize the balance as of		_
3	December 31, 2016	\$	555,111 [.1] [.2]

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Northern Indiana Public Service Company TDSIC Regulatory Asset Equity Tax Gross-up December 31, 2016 & 2017 and June 30, 2018

Line		12/31/2016	12/31/2017	6/30/2018
No.	Description			
1	TDSIC Equity Reg Asset	\$ 2,915,192	\$ 6,350,510	\$ 8,636,234 [.5] A
2	Revenue Requirement Conversion Factor			1.367
3	TDSIC Equity Reg Asset Tax Gross-up			\$ 11,805,680 B
4				
5	Change			\$ 3,169,446 [.1] =B-A

Northern Indiana Public Service Company Rate Base - TDSIC Regulatory Asset Model Excerpt As of June 30, 2018

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	Line No	TDSIC Gas Non-Trackable	1	2/31/2017	7	1/31/2018	2/28/2018	3/31/2018	4/30/2018	5/31/2018	6/30/2018		1	Change from 2/31/2017 to 06/30/2018	
-		Α		В		С	D	E	F	G	Н	-		I = H - B	_
	1	Reg Asset - Debt	\$	-	\$	1,823,159 \$	1,936,808	\$ 2,052,250 \$	2,170,512	\$ 2,289,895	2,416,187				
	2	Reg Asset - Equity	\$	-		6,860,158	7,202,212	7,550,667	7,908,107	8,272,007	8,636,234	[.4]			
	3	Reg Asset - Expense		-		5,160,711	5,302,140	5,444,752	5,589,504	5,735,266	5,882,350				
	4	Total 20% Reg Asset	\$1	2,666,747	\$	13,844,028 \$	14,441,161	\$ 15,047,669 \$	15,668,122	\$ 16,297,168	16,934,772	-	\$	4,268,024	[.1]
				[.2]											

[.2]

Northern Indiana Public Service Company DA - TDSIC Regulatory Asset Amount in Exceess of 2% Equity Tax Gross-up As of December 31, 2016 Workpaper AMTZ 3-S1-18R Page [.6]

NORTHERN INDIANA PUBLIC SERVICE CO.

Schedule of Total Revenue Requirement Adjustment to Semi-Annual Revenue Requirement Relating to Amounts in Excess of 2% Cap June - November 2016

Peter on Capital S		(A)	: AI D-	(B)		(C)		(D)		(E)
National Part Par		Calculated 100% S	emi-Annuai Re	evenue Requirement	:					
Part									(C	
Park In Park In Capania Capa	ine No.	Туре	T	ransmission		Distribution		Storage		
Subtoil Capital Revenue Requirement \$ 3,543,566 \$ 6,260,744 \$ 276,525 \$ 1,008.31	1	Return on Capital	\$	2,469,814	\$	4,200,079	\$	224,792	\$	6,894,68
4 Return of Experise Reveruse Requirement Pro-Rata Allocation Percentage for Amount in Excess of 2% Cap based on 100% Semi-Armual Reveruse Requirement Pro-Rata Allocation Percentage for Amount in Excess of 2% Cap based on 100% Semi-Armual Reveruse Requirement Pro-Rata Allocation Percentage for Amount in Excess of 2% Cap based on 100% Semi-Armual Reveruse Requirement Pro-Rata Allocation Percentage for Amount in Excess of 2% Cap based on 100% Semi-Armual Reveruse Requirement Pro-Rata Allocation Percentage for Amount in Excess of 2% Cap based on 100% Semi-Armual Reveruse Requirement Pro-Rata Allocation Percentage for Amount in Excess of 2% Cap based on 100% Semi-Armual Reveruse Requirement Pro-Rata Allocation Percentage for Amount in Excess of 2% Cap Allocation Pro-Rata Allocation Percentage for Amount in Excess of 2% Cap Allocation Amount in Excess of 2% Cap Allocated Allocated Semi-Armual Revenue Requirement (Line 8* Line 13 Cot. E) Amount in Excess of 2% Cap Salados Allocated Semi-Armual Revenue Requirement Adjustment for Excess of 2% Cap Salados Allocated Semi-Armual Revenue Requirement Adjustment for Excess of 2% Cap Adjusted Semi-Armual Revenue Requirement - Capital Original 80% Recoverable Revenue Requirement - Capital Original 80% Recoverable Revenue Requirement - Capital Original 80% Recoverable Revenue Requirement - Capital Allocated Semi-Armual Revenue Requirement - Capital Original 80% Recoverable Revenue Requirement - Capital Allocated Semi-Armual Revenue Requ	2	Post In-Service Carrying Costs	\$	1,073,752	\$	2,063,665	\$	51,732	\$	3,189,14
Subbible Semi-Annual Revenue Requirement S 3,738,887 S 7,537,281 S 280,383 S 11,376,	3	Subtotal Capital Revenue Requirement	\$	3,543,566	\$	6,263,744	\$	276,523	\$	10,083,83
Pro-Rata Allocation Percentage for Amount in Excess of 2% Cap based on 100% Semi-Annual Revenue Requirement	4	Return of Expense Revenue Requirement	\$	195,320	\$	1,093,517	\$	3,870	\$	1,292,70
Return or Capital (Line 1 / Line 5 Col. E)	5	Subtotal Semi-Annual Revenue Requirement	\$	3,738,887	\$	7,357,261	\$	280,393	\$	11,376,54
Post In-Service Carrying Costs (Line 2 / Line 5 Col. E)		Pro-Rata Allocation Percentage for Amount in Exc	ess of 2% Cap	based on 100% Sen	ni-Annual Re	evenue Requiremen	t			
Post In-Service Carrying Costs (Line 2 / Line 5 Col. E)										
Return of Expense Revenue Requirement (Line 4 / Line 5 Col. E) 1.72% 9.61% 0.03% 11.										60.60
Semi-Annual Revenue Requirement Total Cap Adjustment Percentage 32.86% 64.67% 2.46% 100.										28.03
Amount in Excess of 2% Cap Allocated	8	Return of Expense Revenue Requirement (Line 4 / Line 5 Col. E)		1.72%		9.61%		0.03%		11.36
No. Return of Capital (Line 6 * Line 13 Col. E) S 417,790 S 38,025 S 1,166,	9	Semi-Annual Revenue Requirement Total Cap Adjustment Percentage		32.86%		64.67%		2.46%	-	100.00
Post In-Service Carrying Costs (Line 7* Line 13 Col. E)		Amount in E	Excess of 2% C	Cap Allocated						
Post In-Service Carrying Costs (Line 7* Line 13 Col. E)	10	Return on Capital (Line 6 * Line 13 Col. E)	\$	417.790	\$	710.479	\$	38.025	\$	1,166,29
Subtotal Semi-Annual Revenue Requirement Adjustment for Excess of 2% Cap \$ 632,464 \$ 1,244,543 \$ 47,431 \$ 1,924,	11		\$	181,634	\$	349,086	\$	8,751		539,47
Calculation of Adjusted Semi-Annual Revenue Requirement Semi-Annual Revenue Requirement 14	12	Return of Expense Revenue Requirement (Line 8 * Line 13 Col. E)	\$	33,040	\$	184,978	\$	655	\$	218,67
14	13	Subtotal Semi-Annual Revenue Requirement Adjustment for Excess of 2% Cap	\$	632,464	\$	1,244,543	\$	47,431	\$	1,924,43
15 Original 80% Recoverable Revenue Requirement - Expense \$ 156,256 \$ 874,814 \$ 3,096 \$ 1,034,		Calculation of Adjuste	d Semi-Annua	I Revenue Requirem	ent					
16 Original 80% Recoverable Revenue Requirement - Total \$ 2,991,109 \$ 5,514,519 \$ 224,314 \$ 8,729, 17 Adjusted Semi-Annual Revenue Requirement - Capital (Line 14 less Line 10 & Line 11) \$ 2,235,429 \$ 3,580,140 \$ 174,442 \$ 5,990, 18 Adjusted Semi-Annual Revenue Requirement - Expense (Line 15 less Line 12) \$ 123,216 \$ 689,836 \$ 2,441 \$ 815, 19 Adjusted Semi-Annual Revenue Requirement - Total (Line 17 plus Line 18) \$ 2,358,645 \$ 4,269,976 \$ 176,883 \$ 6,805, Calculated 100% Semi-Annual Revenue Requirement	14	Original 80% Recoverable Revenue Requirement - Capital	\$	2,834,853	\$	4,639,705	\$	221,218	\$	7,695,77
Adjusted Semi-Annual Revenue Requirement - Capital (Line 14 less Line 10 & Line 11) \$ 2,235,429 \$ 3,580,140 \$ 174,442 \$ 5,990,	15									1,034,16
18 19 Adjusted Semi-Annual Revenue Requirement - Expense (Line 15 less Line 12) 19 Adjusted Semi-Annual Revenue Requirement - Total (Line 17 plus Line 18) 2,358,645 \$ 4,269,976 \$ 176,883 \$ 6,805. Calculated 100% Semi-Annual Revenue Requirement Type Transmission Pistribution Storage Total 100% Return on Capital - Debt \$ 458,869 \$ 780,337 \$ 41,764 \$ 1,280,976 1,280,976 1,280,976 1,280,976 1,280,976 5,281,327 5,613,1280,977 5,613,128	16	Original 80% Recoverable Revenue Requirement - Total	\$	2,991,109	\$	5,514,519	\$	224,314	\$	8,729,94
Adjusted Semi-Annual Revenue Requirement - Total (Line 17 plus Line 18) \$ 2,358,645 \$ 4,269,976 \$ 176,883 \$ 6,805,	17	Adjusted Semi-Annual Revenue Requirement - Capital (Line 14 less Line 10 & Line 11)	\$	2,235,429	\$	3,580,140	\$	174,442	\$	5,990,01
Type Transmission Distribution Storage Total										815,49
Type Transmission Distribution Storage Total 100% Return on Capital - Debt \$ 458,869 \$ 780,337 \$ 41,764 \$ 1,280,383 100% Return on Capital - Equity \$ 2,010,945 \$ 3,419,742 \$ 183,027 \$ 5,613,383 \$ 2,469,814 \$ 4,200,079 \$ 224,792 \$ 6,894,483 100% Post In-Service Carrying Costs - Debt \$ 202,226 \$ 394,696 \$ 9,761 \$ 606,483 100% Post In-Service Carrying Costs - Equity \$ 871,526 \$ 1,668,969 \$ 41,971 \$ 2,582,483 100% Return of Expense Revenue Requirement \$ 195,320 \$ 1,093,517 \$ 3,870 \$ 1,292,783	19	Adjusted Semi-Annual Revenue Requirement - Total (Line 17 plus Line 18)	\$	2,358,645	\$	4,269,976	\$	176,883	\$	6,805,50
100% Return on Capital - Debt \$ 458,869 \$ 780,337 \$ 41,764 \$ 1,280,100,945 \$ 2,010,945 \$ 3,419,742 \$ 183,027 \$ 5,613,751 100% Post In-Service Carrying Costs - Debt \$ 202,226 \$ 394,696 \$ 9,761 \$ 606,100 100% Post In-Service Carrying Costs - Equity \$ 871,526 \$ 1,668,969 \$ 41,971 \$ 2,582,682,683 100% Return of Expense Revenue Requirement \$ 195,320 \$ 1,093,517 \$ 3,870 \$ 1,292,782,782		Calculated 100% Se	emi-Annual R	evenue Requireme	ent					
100% Return on Capital - Equity \$ 2,010,945 \$ 3,419,742 \$ 183,027 \$ 5,613, \$ 2,469,814 \$ 4,200,079 \$ 224,792 \$ 6,894,696,793 \$ 100% Post In-Service Carrying Costs - Debt \$ 202,226 \$ 394,696 \$ 9,761 \$ 606,693,693 \$ 100% Post In-Service Carrying Costs - Equity \$ 871,526 \$ 1,668,969 \$ 41,971 \$ 2,582,793,793 \$ 100% Return of Expense Revenue Requirement \$ 195,320 \$ 1,093,517 \$ 3,870 \$ 1,292,793,793,793,793,793,793,793,793,793,793		Туре		ansmission	D	stribution		Storage		Total
\$ 2,469,814 \$ 4,200,079 \$ 224,792 \$ 6,894,100% Post In-Service Carrying Costs - Debt \$ 202,226 \$ 394,696 \$ 9,761 \$ 606,100% Post In-Service Carrying Costs - Equity \$ 871,526 \$ 1,668,969 \$ 41,971 \$ 2,582,100% \$ 1,073,752 \$ 2,063,665 \$ 51,732 \$ 3,189,100% Return of Expense Revenue Requirement \$ 195,320 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517 \$ 3,870 \$ 1,292,700 \$ 1,093,517	100%					780,337				1,280,97
100% Post In-Service Carrying Costs - Debt \$ 202,226 \$ 394,696 \$ 9,761 \$ 606,1 100% Post In-Service Carrying Costs - Equity \$ 871,526 \$ 1,668,969 \$ 41,971 \$ 2,582, \$ 1,073,752 \$ 2,063,665 \$ 51,732 \$ 3,189, 100% Return of Expense Revenue Requirement \$ 195,320 \$ 1,093,517 \$ 3,870 \$ 1,292,	100%	Return on Capital - Equity								5,613,71
100% Post In-Service Carrying Costs - Equity \$ 871,526 \$ 1,668,969 \$ 41,971 \$ 2,582,473 \$ 1,073,752 \$ 2,063,665 \$ 51,732 \$ 3,189,733 100% Return of Expense Revenue Requirement \$ 195,320 \$ 1,093,517 \$ 3,870 \$ 1,292,733			\$	2,469,814	\$	4,200,079	\$	224,792	\$	6,894,68
100% Post In-Service Carrying Costs - Equity \$ 871,526 \$ 1,668,969 \$ 41,971 \$ 2,582,478 100% Return of Expense Revenue Requirement \$ 195,320 \$ 1,093,517 \$ 3,870 \$ 1,292,788	100%	Post In-Service Carrying Costs - Debt	\$	202,226	\$	394,696	\$	9,761	\$	606,68
\$ 1,073,752 \$ 2,063,665 \$ 51,732 \$ 3,189; 100% Return of Expense Revenue Requirement \$ 195,320 \$ 1,093,517 \$ 3,870 \$ 1,292,5	100%									2,582,46
		· · · · · · · · · · · · · · · · · · ·	\$	1,073,752		2,063,665		51,732	\$	3,189,14
100% Subtotal Semi-Annual Revenue Requirement \$ 3,738,887 \$ 7,357,261 \$ 280,393 \$ 11,376,5	100%	Return of Expense Revenue Requirement	\$	195,320	\$	1,093,517	\$	3,870	\$	1,292,70
	100%	Subtotal Semi-Annual Revenue Requirement	\$	3.738.887	-\$	7.357.261	\$	280.393	\$	11,376,54

Northern Indiana Public Service Company DA - TDSIC Regulatory Asset Amount in Exceess of 2% Equity Tax Gross-up As of December 31, 2016 Workpaper AMTZ 3-S1-18R Page [.6]

NORTHERN INDIANA PUBLIC SERVICE CO.

Schedule of Total Revenue Requirement Adjustment to Semi-Annual Revenue Requirement Relating to Amounts in Excess of 2% Cap June - November 2016

(A)	(B)	(C)	(D)	(E)	
Pro-Rata Allocation Percentage for Amo				(E)	
Туре	Transmission	Distribution	Storage	Total	
Return on Capital - Debt	4.03%	6.86%	0.37%	11.26%	
Return on Capital - Equity	17.68%	30.06%	1.61%	49.34%	
Neturn on Capital - Equity	21.71%	36.92%	1.98%	60.60%	
Post In-Service Carrying Costs - Debt	1.78%	3.47%	0.09%	5.33%	
Post In-Service Carrying Costs - Equity	7.66%	14.67%	0.37%	22.70%	
	9.44%	18.14%	0.45%	28.03%	
Return of Expense Revenue Requirement	1.72%	9.61%	0.03%	11.36%	
Subtotal Semi-Annual Revenue Requirement	32.86%	64.67%	2.46%	100.00%	
Amount in F	Excess of 2% Cap Allocated with Tax Ad	ljustment			
Туре	Transmission	Distribution	Storage	Total	
Return on Capital - Debt	\$ 77,622	\$ 132,001	\$ 7,065	\$ 216,687	
Return on Capital - Equity	\$ 340,168	\$ 578,478	\$ 30,961	\$ 949,607 A	
	\$ 417,790	\$ 710,479	\$ 38,025	\$ 1,166,294	
Post In-Service Carrying Costs - Debt	\$ 34,208	\$ 66,766	\$ 1,651	\$ 102,626	
Post In-Service Carrying Costs - Equity	\$ 147,426	\$ 282,320		\$ 436,846 B	
- cot in cot vice can jung costs Equity	\$ 181,634	\$ 349,086	\$ 7,100 \$ 8,751	\$ 539,471	
Return of Expense Revenue Requirement	\$ 33,040	\$ 184,978	\$ 655	\$ 218,672	
Subtotal Semi-Annual Revenue Requirement	\$ 632,464	\$ 1,244,543	\$ 47,431	\$ 1,924,438	
	Tax Adjustments				
Туре	Transmission	Distribution	Storage		
Revenue Conversion Factor - Debt	1.016272	1.016272	1.016272		
Revenue Conversion Factor - Equity	1.667728	1.667728	1.667728		
PUF & URT Rate	1.01515971	1.01515971	1.01515971		
Amount in Ex	cess of 2% Cap Allocated without Tax	Adjustment			
Туре	Transmission	Distribution	Storage	Total	Equity
Return on Capital - Debt	\$ 76,379	\$ 129,887	\$ 6,952	\$ 213,217	Tax Adjustme
Return on Capital - Equity	\$ 203,971	\$ 346,866	\$ 18,565	\$ 569,402 C	A - C = \$ 380,
	\$ 280,350	\$ 476,753	\$ 25,516	\$ 782,619	\$ 380,
	\$ 33,661	\$ 65,697	\$ 1,625	\$ 100,982	
Post In-Service Carrying Costs - Debt					B - D = \$ 174,
Post In-Service Carrying Costs - Debt Post In-Service Carrying Costs - Equity	\$ 88,399	\$ 169,284	\$ 4,257	3 Z01,941 D	
	\$ 88,399 \$ 122,060	\$ 169,284 \$ 234,981	\$ 4,257 \$ 5,882	\$ 261,941 D \$ 362,923	\$ 174,
			\$ 4,257 \$ 5,882 \$ 645		

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Northern Indiana Public Service Company Pro forma Adjustment to Income Taxes For the Twelve Month Period Ending June 30, 2018

This pro forma adjusts the twelve months ended December 31, 2016 federal and state income tax expense to reflect budgeted and ratemaking changes for the twelve months ending December 31, 2017 and June 30, 2018.

Line		Attachment 3-A-S1			Page
No.	Description	Reference	Adjustments	 Amount	Reference
	Α			В	
1	Federal and State Income Taxes:				
2	Actual at Test Year Base Rates	Col B		\$ 21,354,892	[.2]
3	Pro Forma at Test Year Base Rates	Col C	ITX 1-S1-18	 (23,200,450)	
4	Increase/ (Decrease) in Pro forma Test Year Federal and State Income Taxes	Col E		\$ (1,845,558)	[.3]

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Northern Indiana Public Service Company Twelve Months Ended December 31, 2016 Utility Income Taxes

Line										2016							Twelve Months Ended		Adjusted Twelve Months Ended
	Segme	nt Account	Description	Janu	iary I	February	March	April	May	June	July	August	September	October	November	December	December 31, 2016	Adjustments	December 31, 2016
1	G	40912000	Util Cur ST Exp	\$ 6	522,413 \$	371,057 \$	(269,525) \$	(535,815) \$	(1,235,169) \$	(801,015) \$	(748,211) \$	(905,265)	(1,064,930) \$	(6,235,871) \$	555,872 \$	4,252,379	\$ (5,994,082) \$	663,776	\$ (5,330,306.00)
2	G	40911000	Util Cur Fed Exp	2,7	707,744	1,410,291	(1,911,923)	(3,259,229)	(6,854,050)	(4,622,409)	(4,350,987)	(5,158,277)	(5,978,985)	(30,841,975)	2,932,235	22,173,415	(33,754,150)	3,135,415	(30,618,735)
3	G	41011000	Util Def Fed Exp-Dr	5,6	646,039	6,529,484	8,030,001	7,473,790	6,663,565	5,896,616	6,583,716	6,484,462	12,186,366	39,908,068	14,774,502	68,732,147	188,908,755	(837,881)	188,070,874
4	G	41012000	Util Def ST Exp-Dr	1,0	34,343	1,155,227	1,748,389	1,244,442	1,133,336	1,020,079	1,119,710	1,102,921	1,867,798	7,182,054	2,419,578	9,132,027	30,159,905	- 1	30,159,905
5	G	41111000	Util Def Fed Exp-Cr	(2,1	187,445)	(2,569,585)	(2,994,712)	(1,894,742)	(1,545,107)	(2,385,498)	(2,028,102)	(2,216,059)	(7,601,629)	(12,774,528)	(17,205,768)	(85,558,441)	(140,961,614)	1,499,736	(139,461,879)
6	G	41112000	Util Def ST Exp-Cr	(3	327,102)	(375,802)	(854,181)	(272,418)	(229,160)	(351,500)	(298,635)	(324,835)	(1,041,532)	(2,366,653)	(2,283,450)	(12,739,700)	(21,464,967)	-	(21,464,967)
7		Uti	ility Income Tax Total	\$ 7.4	195.993 \$	6.520.672 \$	3.748.050 \$	2.756.028 \$	(2.066.586) \$	(1,243,727) \$	277.491 \$	(1,017,052)	(1.632.912) \$	(5.128.905) \$	1.192.968 \$	5.991.827	\$ 16.893.846	4.461.046	\$ 21.354.892 [.1]

Workpaper ITX 1-S1-18R Page [.3]

Northern Indiana Public Service Company Calculation Of Federal and State Income Taxes Pro Forma At Test Year Base Rates and Proposed Base Rates For the Twelve Month Period Ending June 30, 2018

				Actual		Pro Forma		Pro Forma Based on Revenue	Pro Forma
Line	B		-	t Test Year	-	t Test Year		Requirement	At Proposed
No.	Description	_		Base Rates A		Base Rates B	-	Deficiency C	 Base Rates D
						_		-	_
1	Pre-Tax Income Before Income Taxes		\$	53,706,046	\$	(7,680,441)		84,937,363	77,256,923
2	State Income Tax Deductible			3,364,632		1,020,846	_	5,061,237	 6,082,083
3	Pre-Federal Income Taxes		\$	50,341,414	\$	(8,701,287)		\$ 79,876,126	\$ 71,174,840
4	Taxes at 35%		\$	17,619,495					
5	Taxes at 21%					(1,827,270)		16,773,987	14,946,717
6	Statutory Adjustments								
7	Net Excess for Method, Basis and Life Differences for Tax Rate Changes			(245,450)		(234,047)		_	(234,047)
8	2018 Tax Reform FT Change			-		(526,898)	.41	-	(526,898)
9	Deficiency for Flow Through of AFUDC Equity			-		19,949		-	19,949
10	Prior Year Adjustments			14,585		-		-	-
11	Non Deductible Expenses			(238,175)		35,399		-	35,399
12	Other Adjustments - See supporting schedule			839,805		-		-	-
13	Muncie Remand Method			-		(29,692)		-	(29,692)
14	Investment Tax Credit			<u> </u>		(303,845)	-	<u> </u>	 (303,845)
15	Total Federal Income Tax Expense		\$	17,990,260	\$	(2,866,404)	-	\$ 16,773,987	\$ 13,907,583
16	Pre-Tax Income Before Income Taxes		\$	53,706,046	\$	(7,680,441)		\$ 84,937,363	\$ 77,256,923
17	Indiana State Income Taxes (2016 Actuals @ 6.375%)	6.375%	1	3,423,760		_		_	-
18	Indiana State Income Taxes (2018 Proforma @ 5.875%)	5.875%		-		(451,226)		4,990,070	4,538,844
19	Net Excess for Method, Basis and Life Differences for Tax Rate Changes			1,335		922,889		-	922,889
21	Deficiency for Flow Through of AFUDC Equity			-		3,349		-	3,349
22	Prior Year Adjustments			(43,382)		-		-	-
23	Non Deductible Expenses			(421,914)		9,903		-	9,903
24	Other Adjustments - See supporting schedule			(53,363)		35,888		-	35,888
25	Non-Deductible Utility Receipts Tax			458,196		500,043	-	71,167	 571,210
26	Total State Income Taxes Before Gross Up		\$	3,364,632	\$	1,020,846	-	\$ 5,061,237	\$ 6,082,083
27	Total Income Tax Expense		\$	21,354,892 [.2	<u>\$</u>	(1,845,558)	[.1]	\$ 21,835,224	\$ 19,989,667

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Northern Indiana Public Service Company Amortization of Excess Deferred Income Taxes Phase I Base Rate Implementation

Line No.	Description	Excess	Composite Rate	2018 Excess Amortization
1	Protected Property	(28,666,115)	2.180%	(624,921)
2	Unprotected Property	(73,443,711)	0.000%	-
3	Non Property	(300,213)	0.000%	-
4	NOL	4,496,466	2.180%	98,023
5	Total	(97,913,573)		(526,898) [.3

Workpaper RB 1-S1 Page [.1]

Northern Indiana Public Service Company Pro Forma Adjustment to Support the Utility Plant Assets As of June 30, 2018

This pro forma adjustment increases the utility plant assets as of December 31, 2016 to reflect the amounts as of June 30, 2018.

Line				Page
No.	Description Adjustme	nt	Amount	Reference
	A B		С	D
1	Utility Plant Asset Balance Twelve Months Ended December 31, 2016	\$	2,336,817,920	[.2]
2	2017 Actual Utility Plant Assets			
3	Utility Plant Increase in 2017 Adjustments RB 1-S1-	7	162,863,910	
4	Utility Plant Asset Balance Twelve Months Ended December 31, 2017 (Line 1 + 3)	\$	2,499,681,830	[.2]
5	2018 Forecasted Utility Plant Assets			
6	Utility Plant Increase in 2018 Adjustments RB 1-S1-	8	73,016,586	
7	Utility Plant Asset Balance Twelve Months Ended December 31, 2018 (Line 4 + 6)	\$	2,572,698,416	[.2]
8	Common Allocated Asset Balance Twelve Months Ended December 31, 2016	\$	118,539,164	[.2]
9	2017 Actual Common Allocated Plant Assets			
10	Common Allocated Increase in 2017 Adjustments RB 1-S1-	7	620,218	
11	Common Allocated Asset Balance Twelve Months Ended December 31, 2017 (Line 8 + 10)	\$	119,159,382	[.2]
12	2018 Forecasted Common Allocated Plant Assets			
13	Common Allocated Increase in 2018 Adjustments RB 1-S1-	8	3,224,646	
14	Common Allocated Asset Balance Twelve Months Ended June 30, 2018 (Line 11 + 13)	\$	122,384,028	[.2]

Northern Indiana Public Service Company Rate Base - Utility Plant Asset Model Excerpt As of December 31, 2016 & 2017 and June 30, 2018

Note: Detailed model available upon request

Workpaper RB 1-S1 Page [.2]

Line No	FERC Account	Utility Plant	12/31/2016		12/31/2017		1/31/2018		2/28/2018		3/31/2018	4/30/20:	18	5/31/2018		6/30/2018		12	hange from /31/2017 to 06/30/18	
			Α		В		С		D		E	F		G		Н			I = H - B	
1	35X	Underground Storage Plant	\$ 61,504,218		\$ 62,139,730		\$ 62,274,905	\$	62,384,431	\$	62,582,809	\$ 62,676,43	8 \$	62,798,837	\$	62,902,074				
2	36X	Other Storage Plant	48,622,685		48,418,752		48,566,795		48,686,748		48,904,012	49,006,55	4	49,140,606		49,253,672				
3	365.2-371	Transmission Plant	324,993,550		393,250,071		399,466,022		404,502,556	4	413,624,898	417,930,38	3	423,558,902		428,306,226				
4	374.2, 375-386	Distribution Plant	1,800,597,210		1,895,050,298		1,901,357,423	1	,906,467,833	1,9	915,723,980	1,920,092,61	7	1,925,803,694	1,	,930,620,651				
5	389.2 and 39X	General Plant	64,616,633		66,459,247		66,598,935		66,712,119		66,917,122	67,013,87	7	67,140,364		67,247,049				
6	301-303	Intangibles	36,483,624	_	34,363,732	_	34,364,621		34,365,341		34,366,645	34,367,26	1	34,368,065		34,368,744				
7		Subtotal Utility Plant	\$2,336,817,920	[.1]	\$2,499,681,830	[.1]	\$2,512,628,700	\$2	,523,119,028	\$2,5	542,119,466	\$2,551,087,13	0 \$	2,562,810,470	\$2,	,572,698,416	[.1]	\$	73,016,586	[.1]
8		Common Allocated Utility Plant	118,539,164	[.1]	119,159,382	[.1]	119,731,157		120,194,444	1	121,033,564	121,429,60	5	121,947,345		122,384,028	[.1]	\$	3,224,646	[.1]
9		Total Utility Plant	\$2.455.357.084	-	\$2.618.841.212	-	\$2.632.359.857	\$2	.643.313.472	\$2.6	663.153.030	\$2.672.516.73	4 Ś	2.684.757.815	\$2.	.695.082.444		Ś	76.241.232	•

Workpaper RB 2-S1 Page [.1]

Northern Indiana Public Service Company Pro Forma Adjustment to Support the Accumulated Depreciation and Amortization As of June 30, 2018

This pro forma adjustment increases the accumulated depreciation and amortization for utility plant assets as of December 31, 2016 to reflect the amounts as of June 30, 2018.

Line				Page
No.	Description A	Adjustment B	Amount C	Reference
1	Accumulated Depreciation and Amortization Balance Twelve Months Ended December 31, 2016	ь	\$ (1,483,194,192)	[.2]
2	2017 Actual Accumulated Depreciation and Amortization			
3	Accumulated Depreciation and Amortization Decrease in 2017 Adjustments	RB 2-S1-17	25,636,444	
4	Accumulated Depreciation and Amortization Balance Twelve Months Ended December 31, 2017 (Line 1 + 3)		\$ (1,457,557,747)	[.2]
5	2018 Forecasted Accumulated Depreciation and Amortization			
6	Accumulated Depreciation and Amortization Decrease in 2018 Adjustments	RB 2-S1-18	6,955,876	[.2]
7	Accumulated Depreciation and Amortization Balance Twelve Months Ended December 31, 2018 (Line 4 + 6)		\$ (1,450,601,872)	[.2]
8	Common Allocated Asset Balance Twelve Months Ended December 31, 2016		(89,619,225)	[.2]
9	2017 Actual Common Allocated Accumulated Depreciation and Amortization			
10	Common Allocated Increase in 2017 Adjustments	RB 2-S1-17	(598,377)	
11	Common Allocated Asset Balance Twelve Months Ended December 31, 2017 (Line 8 + 10)		\$ (90,217,602)	[.2]
12	2018 Forecasted Common Allocated Accumulated Depreciation and Amortization			
13	Common Allocated Increase in 2018 Adjustments	RB 2-S1-18	(2,052,134)	[.2]
14	Common Allocated Asset Balance Twelve Months Ended June 30, 2018 (Line 11 + 13)		\$ (92,269,736)	[.2]

Workpaper RB 2-S1 Page [.2]

Northern Indiana Public Service Company
Rate Base - Accumulated Depreciation and Amortization Model Excerpt
As of December 31, 2016 & 2017 and June 30, 2018

Note: Detailed model available upon request

Line No	FERC Account	Utility Plant	12/31/2016	12/31/2017	1/31/2018	2/28/2018	3/31/2018	4/30/2018	5/31/2018	6/30/2018	_	Change from 12/31/2016 to 06/30/17
			Α	В	С	D	E	F	G	н		I = H - B
1	35X	Underground Storage Plant	\$ (58,867,282)	\$ (57,056,381)	\$ (57,041,818)	\$ (57,030,653)	\$ (57,007,932)	\$ (56,998,957)	\$ (56,986,262)	\$ (56,976,113)		
2	36X	Other Storage Plant	(45,286,626)	(45,191,535)	(45,174,629)	(45,161,267)	(45,135,862)	(45,124,787)	(45,109,837)	(45,097,542)		
3	365.2-371	Transmission Plant	(143,245,214)	(141,985,932)	(141,200,201)	(140,605,734)	(139,377,171)	(138,912,312)	(138,244,992)	(137,721,632)		
4	374.2, 375-386	Distribution Plant	(1,179,333,856)	(1,159,845,795)	(1,159,202,987)	(1,158,795,512)	(1,157,608,808)	(1,157,361,175)	(1,156,864,845)	(1,156,545,677)		
5	389.2 and 39X	General Plant	(25,768,988)	(24,504,305)	(24,513,368)	(24,525,876)	(24,527,980)	(24,543,215)	(24,555,234)	(24,569,884)		
6	301-303	Intangibles	(30,692,226)	(28,973,801)	(29,093,332)	(29,212,882)	(29,332,366)	(29,451,928)	(29,571,469)	(29,691,024)		
7		Subtotal Utility Plant	\$ (1,483,194,192) [.1]	\$(1,457,557,747) [.1]	\$(1,456,226,334)	\$(1,455,331,924)	\$(1,452,990,119)	\$(1,452,392,374)	\$(1,451,332,639)	\$(1,450,601,872)	[.1]	\$ 6,955,876 [.1]
8		Common Allocated Utility Plant	(89,619,225) [.1]	(90,217,602) [.1]	(90,534,802)	(90,870,237)	(91,172,244)	(91,530,665)	(91,886,129)	(92,269,736)	[.1]	\$ (2,052,134) [.1]
9		Total Utility Plant	\$ (1,572,813,416)	\$(1,547,775,350)	\$(1,546,761,137)	\$(1,546,202,162)	\$(1,544,162,362)	\$(1,543,923,038)	\$(1,543,218,767)	\$(1,542,871,608)	-	\$ 4,903,742

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Northern Indiana Public Service Company Pro Forma Adjustment to Support the TDSIC Regulatory Asset As of June 30, 2018

This pro forma adjustment increases the TDSIC regulatory asset as of December 31, 2016 to reflect the amounts as of June 30, 2018.

Line No.	Description	Adjustment	Amount	Page Reference
	A	В	С	D
1	TDSIC Non-Trackable Regulatory Asset Balance Twelve Months Ended December 31, 2016		\$ 7,542,387	[.2]
2	2016 Adjustment to remove tax gross-up for amount in excess of 2% (TDSIC 4)		(555,111)	[.3]
3	2016 Adjustment to remove 112th Street Deferral		(462,836)	[.4]
4	Increase/(Decrease) in 2016 Adjustments (Line 2 + 3)	RB 3-S1-16	(1,017,947)	
5	TDSIC Regulatory Asset Normalized Balance at December 31, 2016 (Line 1 + 4)		\$ 6,524,440	
6	2017 Forecasted TDSIC Regulatory Asset			
7	2017 TDSIC Deferrals		5,679,471	[.2]
8	2017 Adjustment to remove 112th Street Deferral		(276,181)	[.4]
9	Increase/(Decrease) in 2017 Adjustments (Line 7 + 8)	RB 3-S1-17	5,403,289	
10	TDSIC Regulatory Asset Balance Forecasted at December 31, 2017 (Line 5 + 9)		\$ 11,927,729	
11	2018 Forecasted TDSIC Regulatory Asset			
12	2018 TDSIC Deferrals		4,268,024	[.5]
13	2018 Adjustment to remove 112th Street Deferral		(141,627)	[.4]
14	Increase/(Decrease) in 2018 Adjustments (Line 12 + 13)	RB 3-S1-18	4,126,397	
15	TDSIC Regulatory Asset Balance Forecasted at June 30, 2018 (Line 10 + 14)		\$ 16,054,127	

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> Workpaper RB 3-S1 Page [.2]

Northern Indiana Public Service Company TDSIC Regulatory Asset Actuals as of December 31, 2016 & 2017

Account Number: 18235625	De	As of c. 31, 2016	As of Dec. 31, 2017	2% Gross Up orrecting Entry	2017 TDSIC Deferrals	
TDSIC Non-Trackable Regulatory Asset	\$	7,542,387	\$ 12,666,747	\$ (555,111) \$	5,679,471	Ī
		[.1]	[.5]	[.3]	L.	1]

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Page [.3]

Northern Indiana Public Service Company Rate Base - TDSIC Regulatory Asset Normalization as of December 31, 2016

Line No.	Description	As of	Dec. 31, 2016
1	Return on Capital - Equity	\$	380,205 [.6]
2	Post In-Service Carrying Costs - Equity		174,905 [.6]
3	Pro-Forma Adjustment to Normalize the balance as of December 31, 2016	\$	555,111 [.1]

Northern Indiana Public Service Company Rate Base - TDSIC Regulatory Asset TDSIC 112th Street Project Deferral As of December 31, 2016 &2017, and June 30, 2018 Workpaper RB 3-S1 Page [.4]

112th Street Project Deferral Depreciation and Property Tax Expenses

Line No.	Month	Depreciation Expense	Property Tax Expense	Total Expense (Col.B + Col.C)		
	Prior 112th Street Project					
1	Deferred Balance	\$ 198,976	\$ 128,397	\$ 327,372		
2	7/31/2016	15,345	7,235	22,580		
3	8/31/2016	15,342	7,235 7,235	22,577		
4	9/30/2016	15,342	7,235	22,577		
5	10/31/2016	15,342	7,235	22,577		
6	11/30/2016	15,342	7,235	22,577		
7	12/31/2016	15,342	7,235	22,577		
8	,,		- 7-22	,	Subtotal 2016	\$ 462,836 [.1]
9	1/31/2017	15,342	7,082	22,425		7,
10	2/28/2017	15,342	7,082	22,425		
11	3/31/2017	15,342	7,082	22,425		
12	4/30/2017	15,342	7,082	22,425		
13	5/31/2017	15,345	7,082	22,427		
14	6/30/2017	15,345	7,082	22,427		
15	7/31/2017	15,345	8,260	23,605		
16	8/31/2017	15,345	8,260	23,605		
17	9/30/2017	15,345	8,260	23,605		
18	10/31/2017	15,345	8,260	23,605		
19	11/30/2017	15,345	8,260	23,605		
20	12/31/2017	15,345	8,260	23,605		
21					Subtotal 2017	\$ 276,181 [.1]
22	1/31/2018	15,345	8,260	23,605		
23	2/28/2018	15,345	8,260	23,605		
24	3/31/2018	15,345	8,260	23,605		
25	4/30/2018	15,345	8,260	23,605		
26	5/31/2018	15,345	8,260	23,605		
27	6/30/2018	15,345	8,260	23,605	Subtotal	\$ 141,627 [.1]
28						
29	7/31/2018	15,345	8,260	23,605		
30	8/31/2018	15,345	8,260	23,605		
31	9/30/2018	15,345	8,260	23,605		
32	10/31/2018	15,345	8,260	23,605		
33	11/30/2018	15,345	8,260	23,605		
34	12/31/2018	15,345	8,260	23,605		
35					Subtotal 2018	\$ 283,254

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Northern Indiana Public Service Company Rate Base - TDSIC Regulatory Asset Model Excerpt As of June 30, 2018 Workpaper RB 3-S1 Page [.5]

Line No	TDSIC Gas Non-Trackable	12/31/2017	1/31/2018	2/28/2018	3/31/2018	4/30/2018	5/31/2018	6/30/2018	Change from 12/31/2017 to 06/30/2018
-	Α	В	С	D	E	F	G	Н	I = H - B
1	Reg Asset - Debt	\$	1,823,159 \$	1,936,808 \$	2,052,250 \$	2,170,512 \$	2,289,895 \$	2,416,187	
2	Reg Asset - Equity		6,860,158	7,202,212	7,550,667	7,908,107	8,272,007	8,636,234	
3	Reg Asset - Expense		5,160,711	5,302,140	5,444,752	5,589,504	5,735,266	5,882,350	
4	Total 20% Reg Asset	\$12,666,747 \$	13,844,028 \$	14,441,161 \$	15,047,669 \$	15,668,122 \$	16,297,168 \$	16,934,772	\$ 4,268,024
		[.2]							[.1]

Northern Indiana Public Service Company DA - TDSIC Regulatory Asset Amount in Exceess of 2% Equity Tax Gross-up As of December 31, 2016 Workpaper RB 3-S1 Page [.6]

NORTHERN INDIANA PUBLIC SERVICE CO.

Schedule of Total Revenue Requirement Adjustment to Semi-Annual Revenue Requirement Relating to Amounts in Excess of 2% Cap June - November 2016

	(A)		(B)		(C)		(D)		(E)
	Calculated 100% S	emi-Annual Re	evenue Requirement						
								(C	Total ol.B + Col.C +
Line No.	Туре	T	ransmission		Distribution		Storage		Col.D)
1	Return on Capital	\$	2,469,814	\$	4,200,079	\$	224,792	\$	6,894,685
2	Post In-Service Carrying Costs Subtotal Capital Revenue Requirement	\$	1,073,752 3,543,566	\$	2,063,665 6,263,744	\$	51,732 276,523	\$	3,189,148 10,083,833
3	·				0,203,744		270,323		10,000,000
4	Return of Expense Revenue Requirement	\$	195,320	\$	1,093,517	\$	3,870	\$	1,292,707
5	Subtotal Semi-Annual Revenue Requirement	\$	3,738,887	\$	7,357,261	\$	280,393	\$	11,376,540
	Pro-Rata Allocation Percentage for Amount in Exc	ess of 2% Cap	based on 100% Sem	i-Annual Re	evenue Requiremen	nt			
6	Return on Capital (Line 1 / Line 5 Col. E)		21.71%		36.92%		1.98%		60.60%
7 8	Post In-Service Carrying Costs (Line 2 / Line 5 Col. E) Return of Expense Revenue Requirement (Line 4 / Line 5 Col. E)		9.44% 1.72%		18.14% 9.61%		0.45% 0.03%		28.03% 11.36%
9	Semi-Annual Revenue Requirement Total Cap Adjustment Percentage		32.86%		64.67%		2.46%		100.00%
	Amount in E	Excess of 2% (Cap Allocated						
10	Return on Capital (Line 6 * Line 13 Col. E)	\$	417,790	\$	710,479	\$	38,025	\$	1,166,294
11	Post In-Service Carrying Costs (Line 7 * Line 13 Col. E)	\$	181,634	\$	349,086	\$	8,751	\$	539,471
12	Return of Expense Revenue Requirement (Line 8 * Line 13 Col. E)	\$	33,040	\$	184,978	\$	655	\$	218,672
13	Subtotal Semi-Annual Revenue Requirement Adjustment for Excess of 2% Cap	\$	632,464	\$	1,244,543	\$	47,431	\$	1,924,438
	Calculation of Adjuste	ed Semi-Annua	I Revenue Requireme	ent					
14	Original 80% Recoverable Revenue Requirement - Capital	\$	2,834,853	\$	4,639,705	\$	221,218	\$	7,695,777
15 16	Original 80% Recoverable Revenue Requirement - Expense Original 80% Recoverable Revenue Requirement - Total	\$	156,256 2,991,109	\$	874,814 5,514,519	\$	3,096 224,314	\$	1,034,166 8,729,942
17	Adjusted Semi-Annual Revenue Requirement - Capital (Line 14 less Line 10 & Line 11)	\$	2,235,429	\$	3,580,140	\$	174,442	\$	5,990,011
18	Adjusted Semi-Annual Revenue Requirement - Expense (Line 15 less Line 12)	\$	123,216	\$	689,836	\$	2,441	\$	815,493
19	Adjusted Semi-Annual Revenue Requirement - Total (Line 17 plus Line 18)	\$	2,358,645	\$	4,269,976	\$	176,883	\$	6,805,505
	Calculated 100% Se	emi-Annual R	evenue Requireme	ent					
	Туре	Tra	ansmission	D	istribution		Storage		Total
100%	Return on Capital - Debt	\$	458,869	\$	780,337	\$	41,764	\$	1,280,971
100%	Return on Capital - Equity	\$	2,010,945	\$	3,419,742	\$	183,027	\$	5,613,714
		\$	2,469,814	\$	4,200,079	\$	224,792	\$	6,894,685
100%	Post In-Service Carrying Costs - Debt	\$	202,226	\$	394,696	\$	9,761	\$	606,683
100%	Post In-Service Carrying Costs - Equity	\$	871,526	\$	1,668,969	\$	41,971	\$	2,582,465
		\$	1,073,752	\$	2,063,665	\$	51,732	\$	3,189,148
100%	Return of Expense Revenue Requirement	\$	195,320	\$	1,093,517	\$	3,870	\$	1,292,707
100%	Subtotal Semi-Annual Revenue Requirement	\$	3,738,887	\$	7,357,261	\$	280,393	\$	11,376,540

Northern Indiana Public Service Company DA - TDSIC Regulatory Asset Amount in Exceess of 2% Equity Tax Gross-up As of December 31, 2016 Workpaper RB 3-S1 Page [.6]

NORTHERN INDIANA PUBLIC SERVICE CO.

Schedule of Total Revenue Requirement Adjustment to Semi-Annual Revenue Requirement Relating to Amounts in Excess of 2% Cap June - November 2016

(A) Pro-Rata Allocation Percentage for A	(B) mount in Excess of 2% Cap based on 100% S	(C) emi-Annual Revenue Requir	(D)	(E)	
-	•	•			
Туре	Transmission	Distribution	Storage	Total	
Return on Capital - Debt	4.03%	6.86%	0.37%	11.26%	
Return on Capital - Equity	17.68%	30.06%	1.61%	49.34%	
	21.71%	36.92%	1.98%	60.60%	
Post In-Service Carrying Costs - Debt	1.78%	3.47%	0.09%	5.33%	
Post In-Service Carrying Costs - Equity	7.66%	14.67%	0.37%	22.70%	
	9.44%	18.14%	0.45%	28.03%	
Return of Expense Revenue Requirement	1.72%	9.61%	0.03%	11.36%	
Subtotal Semi-Annual Revenue Requirement	32.86%	64.67%	2.46%	100.00%	
Amount	in Excess of 2% Cap Allocated with Tax Adjus	stment			
Туре	Transmission	Distribution	Storage	Total	
Return on Capital - Debt	\$ 77,622	\$ 132,001	\$ 7,065	\$ 216,687	
Return on Capital - Equity	\$ 340,168	\$ 578,478	\$ 30,961	\$ 949,607 A	
	\$ 417,790	\$ 710,479	\$ 38,025	\$ 1,166,294	
Post In-Service Carrying Costs - Debt	\$ 34,208	\$ 66,766	\$ 1,651	\$ 102,626	
Post In-Service Carrying Costs - Equity	\$ 147,426 \$ 181,634	\$ 282,320 \$ 349,086	\$ 7,100	\$ 436,846 B	
	\$ 181,634	\$ 349,086	\$ 8,751	\$ 539,471	
Return of Expense Revenue Requirement	\$ 33,040	\$ 184,978	\$ 655	\$ 218,672	
Subtotal Semi-Annual Revenue Requirement	\$ 632,464	\$ 1,244,543	\$ 47,431	\$ 1,924,438	
	Tax Adjustments				
Туре	Transmission	Distribution	Storage		
Revenue Conversion Factor - Debt	1.016272	1.016272	1.016272		
Revenue Conversion Factor - Equity	1.667728	1.667728	1.667728		
PUF & URT Rate	1.01515971	1.01515971	1.01515971		
Amount in	Excess of 2% Cap Allocated without Tax Adj	ustment			
Туре	Transmission	Distribution	Storage	Total	Equit
Return on Capital - Debt	\$ 76,379	\$ 129,887	\$ 6,952	\$ 213,217	Tax Adjus
Return on Capital - Equity	\$ 203,971	\$ 346,866	\$ 18,565	\$ 569,402 C	A - C = \$
	\$ 280,350	\$ 476,753	\$ 25,516	\$ 782,619	\$
Post In-Service Carrying Costs - Debt	\$ 33,661	\$ 65,697	\$ 1,625	\$ 100,982	
Post In-Service Carrying Costs - Equity	\$ 88,399	\$ 169,284	\$ 4,257	\$ 261,941 D	B-D= \$
, ,	\$ 122,060	\$ 234,981	\$ 4,257 \$ 5,882	\$ 362,923	\$
Return of Expense Revenue Requirement	\$ 32,547	\$ 182,215	\$ 645	\$ 215,407	

Workpaper RB 4-S1 Page [.1]

Northern Indiana Public Service Company Pro forma Adjustment to Total Current Assets Materials and Supplies As of June 30, 2018

This pro forma adjustment increases the total current assets materials and supplies as of December 31, 2016 to reflect the amounts as of June 30, 2018.

Line No.	Description	Adjustment	Amount	Page Reference
140.	Description A	B	 C	D
1	Materials and Supplies Twelve Months Ended December 31, 2016			
2	NIPSCO Materials and Supplies - As of December 31, 2016		\$ 96,685,344	[.2]
3	2016 Percentage related to Gas		 11.12%	_
4	Materials and Supplies at December 31, 2016 (Line 2 * 3)		\$ 10,746,967	-
5	2017 Actuals NIPSCO Materials and Supplies			
6	NIPSCO Materials and Supplies - As of December 31, 2017		\$ 100,162,742	[.2]
7	2017 Percentage related to Gas		 11.57%	_ A
8	2017 Gas Materials and Supplies (Line 6 * 7)		\$ 11,586,703	-
9	Increase in Base Year to 2017 (Line 8 - 4)	RB 4-S1-17	\$ 839,736	=
10	2018 Forecasted NIPSCO Materials and Supplies			
11	NIPSCO Materials and Supplies - Forecasted as of June 30, 2018		\$ 103,864,775	[.2]
12	2017 Percentage related to Gas		 11.57%	<u> </u>
13	2018 Gas Materials and Supplies (Line 11 * 12)		\$ 12,014,949	-
14	Increase in 2017 to 2018 (Line 13 - 8)	RB 4-S1-18	\$ 428,247	=

A Gas Allocation Percentage in RB 4 [.3]

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Northern Indiana Public Service Company Budget Details Rate Base: Materials and Supplies As of December 31, 2016 & 2017 and June 30, 2018 Workpaper RB 4-S1 Page [.2]

		Ded	cember 31,		December 31,		June 30,	
Symbol	Description		2016		2017		2018	
MATERIALS	Materials and Supplies	\$	96,685,344	[.1]	\$ 100,162,742	[.1] [.3]	\$ 103,864,775	[.1]

Northern Indiana Public Service Company Inventory Subledger to PeopleSoft Reconciliation Workpaper RB 4-S1 Page [.3]

Materials & Supplies								
As of December 31, 2017								

Line	Inventory Account 154											
No.	Location Utility Defined		Cor	nmon Materials		EI	ectric Materials		(Gas Materials		Grand Total
1	Common Inventory Location		\$	825,293.78	[.4]	\$	15,374,305.89	[.4]	\$	7,887,704.28	[.4]	\$ 24,087,303.95
2	Allocated Common (Ratio O&M)		\$	(825,293.78)								\$ (825,293.78)
3	Electric Allocation Percentage	75%				\$	619,795.63					\$ 619,795.63
4	Gas Allocation Percentage	25%							\$	205,498.15		\$ 205,498.15
5												
6	Electric Inventory Location		\$	3,986,051.92	[.4]	\$	60,305,600.91	[.4]	\$	1,016,963.30	[.4]	\$ 65,308,616.13
7	Allocated Common & Gas (100% Elec)		\$	(3,986,051.92)					\$	(1,016,963.30)		\$ (5,003,015.22
8	Electric Allocation Percentage	100%				\$	3,986,051.92					\$ 3,986,051.92
9	Gas Allocation Percentage	0%				\$	1,016,963.30					\$ 1,016,963.30
10												
11	Gas Inventory Location		\$	696,326.15	[.4]	\$	326,162.80	[.4]	\$	2,024,565.74	[.4]	\$ 3,047,054.69
12	Allocated Common & Electric (100% Gas)		\$	(696,326.15)		\$	(326,162.80)					\$ (1,022,488.95
13	Electric Allocation Percentage	100%							\$	696,326.15		\$ 696,326.15
14	Gas Allocation Percentage	0%							\$	326,162.80		\$ 326,162.80
15	Total 154 M&S Query Balance	_	\$	-		\$	81,302,717.65		\$	11,140,257.12		\$ 92,442,974.77
16												
17	Difference from M&S Query											
18	vs GL Balance		\$	2,570,695.41								\$ 2,570,695.41
19	Known Reconciling adjustments per recon					\$	3,199,323.41		\$	-		\$ 3,199,323.4
20	Remainder to allocate		\$	(628,628.00)								\$ (628,628.00
21	Allocated Difference Using Ratio O&M		\$	628,628.00								\$ 628,628.00
22	Electric Allocation Percentage	75%				\$	(472,099.63)					\$ (472,099.63
23	Gas Allocation Percentage	25%							\$	(156,528.37)		\$ (156,528.37
24		_	\$	-		\$	2,727,223.78		\$	(156,528.37)		\$ 2,570,695.41
25		_										
26	Per GL Balance		\$	-	Α	\$	84,029,941.43	В	\$	10,983,728.75	С	\$ 95,013,670.18
27		-		•			•			•		
28	15400000 Plant Materials-Oth Supplies											\$ 95,013,670.18

Northern Indiana Public Service Company Inventory Subledger to PeopleSoft Reconciliation Materials & Supplies As of December 31, 2017 Workpaper RB 4-S1 Page [.3]

Line	Inventory Account 155		_							
No.	Location Utility Defined		Co	mmon Materials	EI	ectric Materials		Gas Materials		Grand Total
1	Common Inventory Location						\$	3,871.54 [.5] \$	3,871.54
2	Allocated Common (Ratio O&M)									
3	Electric Allocation Percentage	75%								
4	Gas Allocation Percentage	25%								
5	Total 155 M&S Query Balance		\$	-	\$	-	\$	3,871.54	\$	3,871.54
6										
7	Difference from M&S Query									
8	vs GL Balance		\$	4,423.62					\$	4,423.62
9	Allocated Difference Using 100% Gas		\$	(4,423.62)					\$	(4,423.62)
10	Electric Allocation Percentage	0%					\$	4,423.62	\$	4,423.62
11	Gas Allocation Percentage	100%							\$	-
12			\$	-	\$	-	\$	4,423.62	\$	4,423.62
13										
14	Per GL Balance		\$	- A	\$	- B	\$	8,295.16 C	\$	8,295.16
15										
16	15500000 Merchandise								\$	8,295.16
17										
18										
19										
20	Allocate Stores Account 163		Co	mmon Materials	El	ectric Materials		Gas Materials		Grand Total
21	Inventory Account 154		\$	-	\$	84,029,941.43	\$	10,983,728.75	\$	95,013,670.18
22	Inventory Account 155		\$	-	\$	-	\$	8,295.16	\$	8,295.16
23	·		\$	-	\$	84,029,941.43	\$	10,992,023.91	\$	95,021,965.34
24				Sum of A		Sum of B		Sum of C		Sum of D
25										
26										
27	16300000 Stores Exp Undistributed		\$	49,240,069.32					\$	49,240,069.32
28	16300080 Stores Expense Credit		\$	(44,099,292.78)					\$	(44,099,292.78)
29	Net Balance to Allocate on SFH rate		\$	5,140,776.54	\$	4,546,097.84	\$	594,678.70	\$	5,140,776.54
30				2,2,		.,,	<u> </u>	22.,270170		2,1.3,1.00
31	Stores Freight & Handling rate			5.41%						
32	Total M&S			J. + 1 /0	\$	88,576,039.27	\$	11,586,702.61	•	100,162,741.88
33	Electric/Gas Split				Ψ	88%	Ψ			100,102,741.00
33	Electric/Gas Split					88%		11.57% [.1		

Northern Indiana Public Service Company Inventory Subledger Details Account 154, Materials and Supplies As of December 31, 2017 Workpaper RB 4-S1 Page [.4]

Location Utility Defined	Common
Account	154

Sum of Inventory Value	Item Cla	ass Utility						
Location	Commo	n	Elec	tric	Gas		Gra	nd Total
010-Hammond LOA	\$	6,416.88	\$	492,315.75	\$	43,746.86	\$	542,479.49
015-Hammond Microwave		1,512		999				2,511
030-Crown Point LOA		6,145		473,341		99,936		579,422
050-Valparaiso LOA		4,288		343,645		131,714		479,647
070-Plymouth LOA		3,331		286,029		179,490		468,849
090-Angola LOA		2,399		356,200		255		358,855
098-Auburn LOA		3,568		3,919		242,713		250,201
100-Monticello LOA		7,220		486,222		93,957		587,399
101-Kentland LOA		24		3,139		5,652		8,816
110-Goshen LOA		10,069		783,913		148,980		942,962
111-Warsaw Boggs Park		204		23,021		5,555		28,780
150-Gary LOA		29,609		1,192,358		236,813		1,458,780
160-LaPorte LOA		3,678		327,562		77,463		408,703
520-Construction - Gary				1,124,352		2,177,950		3,302,302
940-Central Warehouse - Valp		746,829		9,477,290		4,443,478		14,667,597
Grand Total	\$	825,293.78	\$ 15	,374,305.89	\$7,	887,704.28	\$ 24	4,087,303.95
Workpaper Reference		[.3]		[.3]		[.3]		

Location Utility Defined Electric Account 154

Sum of Inventory Value	Item (Class Utility						
Location	Comn	non	Ele	ectric	Gas		Gra	nd Total
104-Fowler Substation	\$	-	\$	6,431.81	\$	-	\$	6,431.81
510-Michigan City Gen Station		494,513		3,690,352		169,193		4,354,057
550-Service Center - Valpo		91,217		37,380,635				37,471,852
700-Bailly Gen Station		534,531		3,118,800		23,087		3,676,419
720-Schahfer Gen Station		2,190,293		14,842,498		709,214		17,742,005
730-Electric Meter - Gary		5,098		339,358				344,455
890-Sugar Creek Gen Station		670,401		927,470		115,469		1,713,340
888-Field Adjustment Tickets				57				57
Grand Total	\$	3,986,051.92	\$ 6	0,305,600.91	\$ 1,01	16,963.30	\$ 65	5,308,616.13
Workpaper Reference	•	[.3]		[.3]		[.3]	-	

Location Utility Defined Gas Account 154

Sum of Inventory Value	Item (Class Utility						
Location	Comn	non	Ele	Electric		Gas		and Total
060-South Bend LOA	\$	9,973.67	\$	4,858.89	\$	318,303.45	\$	333,136.01
180-Peru LOA		2,271		2,427		108,558		113,256
220-Fort Wayne LOA		69,552		8,286		337,753		415,591
250-Kokomo LOA		17,943		4,744		209,816		232,503
570-Gas Measurement - Gary		472,012		48,740		827,078		1,347,831
572-Royal Center UGS		87,381		163,617		130,036		381,034
573-LNG Ops - Rolling Prairie		37,192		93,491		93,021		223,703
Grand Total	\$	696,326.15	\$	326,162.80	\$ 2	2,024,565.74	\$	3,047,054.69
		[.3]		[.3]		[.3]		

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Northern Indiana Public Service Company Inventory Subledger Account 155, Merchandise As of December 31, 2017 Workpaper RB 4-S1 Page [.5]

Location Utility Defined	Commo	on							
Account	155								
Sum of Inventory Value	Item Class Utility								
Location	Gas		Gr	and Total					
070-Plymouth LOA	\$	26.82	\$	26.82	•				
100-Monticello LOA	\$	42.29	\$	42.29					
150-Gary LOA	\$	178.82	\$	178.82					
940-Central Warehouse - Valpo	\$	3,623.61	\$	3,623.61					
Grand Total	\$	3,871.54	\$	3,871.54	[.3]				

Workpaper RB 5-S1 Page [.1]

Northern Indiana Public Service Company Pro forma Adjustment to Total Current Assets As of June 30, 2018

This pro forma adjustment increases the total current assets gas storage as of December 31, 2016 to reflect the amounts as of June 30, 2018.

Line				Page
No.	Description	Adjustment	Amount	Reference
	A	В	С	D
1	Gas Storage - Actual 13 month average for twelve months ended December 31, 2016		\$ 71,742,530	[3]
2	2017 Actuals Gas Storage			
3	Gas Storage - Actuals 13 month average Dec 2016-Dec 2017		 64,910,774	[3]
4	Increase in Base year to 2017 (Line 3 - 1)	RB 5-S1-17	\$ (6,831,756)	
5	2018 Forecasted Gas Storage			
6	Gas Storage - Forecasted 13 month average June 2017-June 2018		 62,522,819	[3]
7	Decrease in 2017 to 2018 (Line 6 - 3)	RB 5-S1-18	\$ (2,387,955)	į.

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Northern Indiana Public Service Company Budget Annual Summary Gas in Storage Inventory As of December 31, 2016 & 2017 and June 30, 2018 Workpaper RB 5-S1 Page [.2]

		Decemb	June 30,		
Reference	Description	2016		2017	2018
GASSTRGTOT	Gas Storage Total	\$ 90,722,168	\$	97,074,276	\$ 58,956,268
		[.3]		[.3]	[.3]

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Northern Indiana Public Service Company Budget Monthly Detail Gas in Storage Inventory As of December 31, 2016 & 2017 and June 30, 2018 Workpaper RB 5-S1 Page [.3]

		2015						201	6								13	3 Month
/mbol	Description	December	January	February	March	April	May	June	July	Augu	ıst	September	October	November		December	A	Average
ASSTRGTO1	T Gas Storage Total	\$ 103,801,431	\$ 73,916,150	\$ 50,124,658 \$	38,251,922 \$	41,736,840 \$	47,354,963 \$	53,668,895	64,525,225	\$ 73,33	13,721 \$	83,247,578 \$	99,896,101	112,093,23	86 \$	90,722,168 [.2]	\$	71,742,530
		2016						201	7								13	3 Month
/mbol	Description	December	January	February	March	April	May	June	July	Augu	ıst	September	October	November		December	A	Average
ASSTRGTO1	T Gas Storage Total	\$ 90,722,168	\$ 65,521,555	\$ 46,555,898 \$	25,588,754 \$	32,548,734 \$	38,993,499 \$	49,355,237	57,062,110	\$ 65,52	21,207 \$	77,745,603 \$	89,841,610	\$ 107,309,41	14 \$	97,074,276 [.2]	\$	64,910,774
					2017							2018					13	3 Month
		June	July	August	September	October	November	December	January	Februa	ary	March	April	May		June	Ą	Average
SSTRGTO	T Gas Storage Total	\$ 49,355,237	\$ 57,062,110	\$ 65,521,207 \$	77,745,603 \$	89,841,610 \$	107,309,414 \$	97,074,276	65,084,069	\$ 40,96	65,518 \$	25,199,961 \$	31,566,504	\$ 47,114,87	73 \$	58,956,268 [.2]	\$	62,522,819
			[.4]	[.4]	[.4]	[.4]	[.4]	[.4]	E 41		[.41	[.4]	[.4]	· ·	.41	[.4]		

Northern Indiana Public Service Company Gas in Storage Inventory Detailed View As of December 31, 2017 and June 30, 2018

Workpaper RB 5-S1 Page [.4]

FINANCIAL 2016 0+12 Database												
FINANCIAL 2010 0+12 Database	Jan-17	Feb-17	Mar-17	Apr 17	Mov 17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Device to Delever (000DH)		17706	10798	Apr-17	May-17 9423	14391	18038	21602		31329	36467	35985
Beginning Balance (000Dth) Total Inj (000Dth) Net of Inj Fuel	28698	17706	10798	7587 2314	5323	14391 4012	18038 4046	4509	25675 6042	5273	1355	35985
Total hij (000Dth) Net of hij Fuel Total With (000Dth) Net of W/D Fuel	11692	7557	3391	295	66	4012 57	4046 50	4509	48	5273	1947	7022
						-309		-386				
CHOICE Storage Bank Activity (000Dth)	700	649	179	-183	-288		-432		-340	-86	110	386
442A Activity (000Dth)	0	0 10798	7587	0 9423	0 14391	18038	21602	0 25675	31329	0 36467	0 35985	0 29349
Ending Balance (000Dth)	17706	10796	7567	9423	14391;	18038	21602	25075;	31329	36467	35965	29349
Trans Fuel (000Dth)	229	223	212	163	140	107	115	120	135	207	216	227
Inj Fuel (000Dth)	0	0	0	31	75	48	64	62	75	69	23	0
Wth Fuel (000Dth)	33	20	6	4	0	0	0	0	0	0	0	23
Total Purchases \$ (000) GROSS	18654.48	20190.65	22449.31	23990.54	25067.29	16716.83	16556.23	18166.71	24444.61	30694.84	25748.89	23758.88
Total Purchases \$ GROSS	\$ 18,654,483	\$ 20,190,651 \$	22,449,308 \$	23,990,540 \$	25,067,291 \$	16,716,828	16,556,234	18,166,705 \$	24,444,610 \$	30,694,840 \$	25,748,891 \$	23,758,885
Volume purchased (000Dth) GROSS	4939	6442	7257	7812	8230	5466	5290	5798	7819	9751	8024	7104
Total Purchases \$	\$ 18,654,483					16,716,828					25,748,891 \$	
Volume purchased (000Dth)	4938.536842	6442.107956	7256.99807	7811.890862	8229.912795	5466.270327	5289.856203	5797.919248	7819.325068	9750.903238	8023.855499	7104.157593
Monthly Purchase WACOG	\$ 3.777	\$ 3.134 \$	3.093 \$	3.071 \$	3.046 \$	3.058	3.130 \$	3.133 \$	3.126 \$	3.148 \$	3.209 \$	3.344
Beginning Inventory Dollars		\$ 56,610,238 \$		24,592,813 \$		49,012,062						
Beginning Inventory Volume (DTH)	28,698,337	17,706,479	10,798,420	7,586,526	9,422,734	14,391,439	18,037,626	21,601,917	25,675,466	31,329,408	36,466,688	35,985,358
Current Month Purchased Gas Dollars	\$ 25,334,485	\$ 26,602,008 \$	28,562,538 \$	28,133,478 \$	29,192,315 \$	20,711,051	20,600,696	22,225,669 \$	28,551,532 \$	35,095,577 \$	31,979,112 \$	30,395,898
Current Month Purchased Gas Volume (DTH)	4,938,537	6.442.108	7.256.998	7.811.891	8.229.913	5.466.270	5.289.856	5.797.919	7.819.325	9.750.903	8.023.855	7.104.158
Current Month WACOG	\$ 5.130	., ,	,	3.601 \$		3.789	-,,	-, -, -		.,	3.986 \$	
Nymex FOM Price	\$ 3.930	\$ 3.285 \$	3.288 \$	3.256 \$	3.261 \$	3.295	3.327 \$	3.326 \$	3.308 \$	3.326 \$	3.371 \$	3.485
Current Month Injection Volume (DTH)	700,055	649,067	179,352	2,314,292	5,323,045	4,011,890	4,046,076	4,508,932	6,041,538	5,273,158	1,465,608	385,551
Current Month Injection Volume @ Current Month WACOG	\$ 3,591,253			8,334,614 \$		15,200,577					5,841,187 \$	
0.44.47.0.4.4.47.414.6.4.0.44	\$ 93.991.014	0 50,000,400	35.586.024 \$	00 007 407 0	50.040.040	64.212.639	70,000,570	04.004.050	444 740 040	400,000,540	107.070.100	132,259,646
Cost of Gas Available for Sale	\$ 93,991,014 29,398,392	\$ 59,290,490 \$ 18,355,546	35,586,024 \$ 10,977,772	32,927,427 \$ 9,900,819	50,218,816 \$ 14,745,779	64,212,639 18,403,329	78,693,578 \$ 22,083,702	94,261,256 \$ 26,110,849	, .,	36,602,566 36,602,566	137,676,499 \$ 37,932,296	36,370,909
Volume of Gas Available for Sale Current Month YTD WACOG	\$ 3.197			3.326 \$		3.489			31,717,004 3.618 \$		37,932,296	
Current Month Withdrawal Volume (DTH) Current Month Withdrawal Volume @ Current Month YTD WACO	11,691,912 G \$ 37,380,776	7,557,126 \$ 24.410.371 \$	3,391,246 10.993.211 \$	478,085 1.589,979 \$	354,340 1,206,754 \$	365,703 1.276,006	481,785 1.716.805	435,383 1.571.752 \$	387,595 1.402,289 \$	135,878 491,231 \$	1,946,938 7.066,474 \$	7,022,082 25,535,192
Current Month Withdrawar Volume & Current Month FTD WACO	37,380,776	\$ 24,410,371 \$	10,993,211 \$	1,569,979 \$	1,200,754 \$	1,276,006	1,710,603 4	1,571,752 \$	1,402,289 \$	491,231 \$	7,000,474 \$	25,535,192
Inj Cost (\$000)		\$ - \$			56.78 \$	26.04		37.95 \$	52.57 \$	48.82 \$	37.36 \$	<u>-</u>
Wth Cost (\$000)	· · · · · · · · · · · · · · · · · · ·	\$ 70.99 \$		9.50 \$	- \$				- \$		9.31 \$	
Demand (D1) (\$000)		\$ 488.64 \$		488.64 \$	366.58 \$	366.58			366.58 \$		366.58 \$	
Demand (D2) (\$000)	\$ 1,880.89 \$ 2,369,534			1,880.89 \$ 2,369,534 \$		1,880.89 S		1,880.89 \$ 2,247,467 \$	1,880.89 \$ 2,247,467 \$		1,880.89 \$ 2,247,467 \$	
Storage Demand \$ Total Storage Cost \$	\$ 2,480,207			2,391,033 \$		2,247,467					2,294,139 \$	
Total Glorage Cost \$	\$ 2,460,207	ψ 2,440,32 <i>1</i> ψ	2,403,971 \$	2,391,033 \$	2,304,240 \$	2,273,300	2,202,320 4	2,203,410 \$	2,300,040 4	2,290,202 \$	2,294,139 \$	
Transport Demand (\$000)	5719.63	5635.09	5377.10	3583.18	3636.38	3621.20	3636.38	3636.38	3621.20	3675.86	5457.67	5797.36
Transport Variable (\$000)	97.20	77.62	81.15	58.33	63.23	46.26	47.72	47.79	62.44	72.14	79.28	80.21
Transport Demand \$	\$ 5,816,833			3,641,514 \$		3,667,456					5,536,950 \$	
Transportation Fuel Cost \$ Total Transportation Cost \$	\$ 863,169 \$ 6,680,002			501,424 \$ 4,142,939 \$	425,418 \$ 4,125,024 \$	326,767 S 3,994,223 S					693,271 \$ 6,230,221 \$	
Total Hansportation Cost \$	\$ 0,000,002	\$ 0,411,33 <i>1</i> \$	0,113,230 j ş	4,142,939 \$	4,125,024 \$	3,994,223	4,044,462	4,000,903 \$	4,100,923	4,400,737 \$	0,230,221 \$	0,037,013
For Regulatory Systems												
Total Commodity Cost (incl. transport fuel)	\$ 19,517,652					17,043,596			24,867,898 \$,,, +	26,442,162 \$	
Total Commodity Cost per Dth purchased	\$ 3.95			3.14 \$		3.12					3.30 \$	
Injection Cost (valued @ monthly purchase WACOG)	\$ (3,591,253) \$ 37,487,406						(16,005,086) \$					
Withdrawal Cost (valued @ Monthly WACOG) Total Storage Cost and Usage	\$ 37,487,406 \$61,710,845	\$ 24,474,304 \$ \$50,836,587	\$ 11,011,877 \$ \$41,272,481	1,603,113 \$ \$23,680,173	1,206,754 \$ \$13,555,917	1,276,006 \$ \$8,877,060	\$ 1,716,805 \$ \$8,594,740	1,571,752 \$ \$8,561,422	1,402,289 \$ \$9,919,185	\$ 491,231 \$ \$18,656,826	7,066,474 \$ \$35,407,082	25,620,560 \$56,804,441
Total Otorage Cost and Osage	ψ01,710,043	φυυ,υυυ,υσ1	Ψ+1,2 <i>1</i> 2,401	ψ20,000,173	φ10,000,017	φυ,σττ,υσυ	ψυ,υσ4,140	ψυ,υυ ι ,422	ψυ,υ ιυυ	ψ10,000,020	ψου, τυτ, υυΖ	φυυ,ου,44 Ι
Ending Inventory Dollars	\$ 56,610,238	\$ 34,880,119 \$	24,592,813 \$	31,337,447 \$	49,012,062 \$	62,936,633	76,976,773	92,689,504 \$	113,347,323 \$	131,835,312 \$	130,610,025 \$	106,724,454
E. F. J. Land J. M. L. and (DTI)	47.700 (72	10.700.400	7.500.500	0.400.70	11.001.105	40.007.000	04.004.04=	05 075 400	04.000.400	00,400,005	05.005.050	00 040 007
Ending Inventory Volume (DTH)	17,706,479	10,798,420	7,586,526	9,422,734	14,391,439	18,037,626	21,601,917	25,675,466	31,329,408	36,466,688	35,985,358	29,348,827

Northern Indiana Public Service Company Gas in Storage Inventory Detailed View As of December 31, 2017 and June 30, 2018 Workpaper RB 5-S1 Page [.4]

		Jan-18		Feb-18	Mar-18	Apr-18	May-18	Jun-18
Beginning Balance (000Dth)	T	29349		17745	11096	6809	8838	13962
Total Inj (000Dth) Net of Inj Fuel	ŧ	23343		0	0	2397	5478	3950
Total With (000Dth) Net of W/D Fuel	1	12304		7298	4466	185	66	48
CHOICE Storage Bank Activity (000Dth)	- E	700		649	179	-183	-288	-309
	ł							
442A Activity (000Dth)	Į	0		0	0	0	0	0
Ending Balance (000Dth)		17745		11096	6809	8838	13962	17555
Frans Fuel (000Dth)		228		218	 197	 118	 139	 104
nj Fuel (000Dth)		0		0	0	34	77	47
Wth Fuel (000Dth)		37		21	6	1	0	0
Total Purchases \$ (000) GROSS		15032.21		22766.99	20297.19	21990.32	21942.08	14288.42
Total Purchases \$ GROSS	\$	15,032,207	\$	22,766,994	\$ 20,297,187	\$ 21,990,323	\$ 21,942,075	\$ 14,288,421
/olume purchased (000Dth) GROSS		4362		6726	6216	7992	8400	5421
Total Purchases \$	\$	15,032,207	\$	22,766,994	\$ 20,297,187	\$ 21,990,323	\$ 21,942,075	\$ 14,288,421
/olume purchased (000Dth)		4361.892921		6725.635788	6215.851891	7992.352475	8399.864192	5421.065409
Monthly Purchase WACOG	\$	3.446	\$	3.385	\$ 3.265	\$ 2.751	\$ 2.612	\$ 2.636
Beginning Inventory Dollars	\$	106.724.454	\$	65.084.069	\$ 40,965,518	\$ 25.199.961	\$ 31.566.504	\$ 47.114.873
Beginning Inventory Volume (DTH)		29,348,827	Ť	17,745,262	11,095,866	6,809,005	8,837,699	13,961,758
Current Month Purchased Gas Dollars	\$	21,717,057	\$	29,294,422	\$ 26,470,833	\$ 25,614,364	\$ 25,673,242	\$ 17,895,893
Current Month Purchased Gas Volume (DTH)		4,361,893		6,725,636	6,215,852	7,992,352	8,399,864	5,421,065
Current Month WACOG	\$	4.979	\$	4.356	\$ 4.259	\$ 3.205	\$ 3.056	\$ 3.301
Nymex FOM Price	\$	3.572	\$	3.523	\$ 3.426	\$ 2.911	\$ 2.847	\$ 2.866
Current Month Injection Volume (DTH)		700,055		649,067	179,352	2,396,970	5,478,399	3,950,023
Current Month Injection Volume @ Current Month WACOG	\$	3,485,444	\$	2,827,098	\$ 763,789	\$ 7,681,951	\$ 16,744,112	\$ 13,039,722
Cost of Gas Available for Sale	\$	110,209,898	\$	67,911,166	\$ 41,729,307	\$ 32,881,911	\$ 48,310,616	\$ 60,154,596
/olume of Gas Available for Sale		30,048,882		18,394,328	11,275,218	9,205,974	14,316,098	17,911,781
Current Month YTD WACOG	\$	3.668	\$	3.692	\$ 3.701	\$ 3.572	\$ 3.375	\$ 3.358
Current Month Withdrawal Volume (DTH)		12,303,620		7,298,462	4,466,213	368,276	354,340	356,817
Current Month Withdrawal Volume @ Current Month YTD WACOG	\$	45,125,829	\$	26,945,648	\$ 16,529,346	\$ 1,315,407	\$ 1,195,743	\$ 1,198,328
nj Cost (\$000)	\$	- 1	\$	-	\$ -	\$ 16.05	\$ 56.78	\$ 24.08
Vth Cost (\$000)	\$	122.83	\$	71.56	\$ 35.93	\$ 2.73	\$ - 1	\$ -
Demand (D1) (\$000)	\$	488.64	\$	488.64	\$ 488.64	\$ 488.64	\$ 366.58	\$ 366.58
Demand (D2) (\$000)	\$	1,880.89	\$	1,880.89	\$ 1,880.89	\$ 1,893.41	\$ 1,893.41	\$ 1,893.41
Storage Demand \$	\$	2,369,534	\$	2,369,534	\$ 2,369,534	\$ 2,382,054	\$ 2,259,987	\$ 2,259,987
Total Storage Cost \$	\$	2,492,360	\$	2,441,095	\$ 2,405,463	\$ 2,400,833	\$ 2,316,768	\$ 2,284,067
Fransport Demand (\$000)	1	5797.36		5712.81	5454.83	3252.38	3305.57	3290.39
Fransport Variable (\$000)		101.76		77.78	74.07	46.30	63.15	43.56
Fransport Demand \$	\$	5,899,117	\$	5,790,595	\$ 5,528,898	\$ 3,298,676	\$ 3,368,719	\$ 3,333,954
Fransportation Fuel Cost \$	\$	785,732	\$	736,833	\$ 644,748	\$ 325,365	\$ 362,448	\$ 273,518
Total Transportation Cost \$	\$	6,684,849	\$	6,527,428	\$ 6,173,646	\$ 3,624,041	\$ 3,731,167	\$ 3,607,472
For Regulatory Systems								
Total Commodity Cost (incl. transport fuel)	\$	15,817,939	\$	23,503,826	\$ 20,941,935	\$ 22,315,688	\$ 22,304,523	\$ 14,561,940
Total Commodity Cost per Dth purchased	\$	3.63	\$	3.49	\$ 3.37	\$ 2.79	\$ 2.66	\$ 2.69
njection Cost (valued @ monthly purchase WACOG)	\$	(3,485,444)	\$	(2,827,098)	\$ (763,789)	\$ (7,789,654)	\$ (16,979,805)	\$ (13,196,470)
Nithdrawal Cost (valued @ Monthly WACOG)	\$	45,261,219	\$	27,024,719	\$ 16,552,776	\$	\$	\$ 1,198,328
Total Storage Cost and Usage		\$65,985,191		\$55,933,138	\$44,665,282	\$21,545,005	\$12,205,948	\$8,181,818
Ending Inventory Dollars	\$	65,084,069	\$	40,965,518	\$ 25,199,961	\$ 31,566,504	\$ 47,114,873	\$ 58,956,268
<u> </u>		[3]		[3]	[3]	[3]	[3]	[3

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Petitioner's Exhibit No. 17-S1 Cause No. 44988 Page 58 of 86

> Workpaper CS-S1 CS 5-S1-18R Page [.1]

Northern Indiana Public Service Company Pro Forma Adjustment to Capital Structure As of June 30, 2018

This pro forma adjusts the budgeted prepaid pension asset as of June 30, 2018 to reflect changes in OPEB cumulative expense and cash contributions based on the most recently available actuarial report.

Line		Attachment 3-F-S1			Page
No.	Description	Reference	Adjustment	 Amount	Reference
	A	В	С	D	E
1	2018 Budgeted OPEB Liability	Cap Sch 4-S1		\$ 86,709,212	[.9]
2	Change in cumulative OPEB expense			(214,719)	[.9]
3	Change in cumulative OPEB cash contributions			 848,820	[.9]
4	Pro Forma Adjustment	Cap Sch 4-S1	CS 5-S1-18R	\$ 634,101	[.9]
5	2018 Pro Forma Adjusted OPEB Liability	Cap Sch 4-S1		\$ 87,343,313	[.9]

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> Workpaper CS-S1 CS 6-S1-18R Page [.2]

Northern Indiana Public Service Company Pro Forma Adjustment to Capital Structure As of June 30, 2018

This pro forma adjusts the budgeted prepaid pension asset as of June 30, 2018 to reflect regulatory asset amortization and pension expense included in the most recently available actuarial report.

Line		Attachment 3-F-S1			Page
No.	Description	Reference	Adjustment	Amount	Reference
	A	В	С	D	E
1	2018 Budgeted Prepaid Pension Asset	Cap Sch 4-S1		\$ (453,261,447)	[.10]
2	Decrease in FAS158 Regulatory Asset			13,063,923	[.10]
3	Decrease in Pension Liability			6,149,076	[.10]
4	Pro Forma Adjustment	Cap Sch 4-S1	CS 6-S1-18R	\$ 19,213,000	[.10]
5	2018 Pro Forma Adjusted Prepaid Pension Asset	Cap Sch 4-S1		\$ (434,048,447)	[.10]

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> Workpaper CS-S1 CS 7-S1-18R Page [.3]

Northern Indiana Public Service Company Pro Forma Adjustment to Capital Structure As of June 30, 2018

This pro forma increases the Post 1970 Investment Tax Credit Liability as of June 30, 2018 to reflect a budget true-up for electric amortization and restart gas amortization.

Line		Attachment 3-F-S1			Page
No.	Description	Reference	Adjustment	Amount	Reference
	A	В	С	 D	E
1	2018 Budgeted Post 1970 Investment Tax Credit	Cap Sch 4-S1		\$ 2,633,411	[.11]
2	Pro Forma Adjustment	Cap Sch 4-S1	CS 7-S1-18R	 167,162	
3	2018 Pro Forma Post 1970 Investment Tax Credit	Cap Sch 4-S1		\$ 2,800,573	[.11]

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> Workpaper CS-S1 CS 1-S1-18R Page [.3a]

Northern Indiana Public Service Company Pro Forma Adjustment to Capital Structure As of June 30, 2018

This pro forma adjusts the budgeted common equity as of June 30, 2018.

Line		Attachment 3-F-S1	Page
No.	Description	Reference Adjustr	ment Amount Reference
	A	В С	D E
1	2018 Budgeted Common Equity	Cap Sch 4-S1	\$ 2,589,832,246
2	Pro Forma Adjustment	Cap Sch 4-S1 CS 1-S1	-18R <u>\$ 20,429,691</u>
3	2018 Pro Forma Common Equity	Cap Sch 4-S1	\$ 2,610,261,937

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> Workpaper CS-S1 CS 3-S1-18R Page [.3b]

Northern Indiana Public Service Company Pro Forma Adjustment to Capital Structure As of June 30, 2018

This pro forma adjusts the budgeted customer deposits as of June 30, 2018.

Line		Attachment 3-F-S1			Page
No.	Description	Reference	Adjustment	Amount	Reference
	A	В	С	D	Е
1	2018 Budgeted Customer Deposits	Cap Sch 4-S1		\$ 82,923,713	[.7]
2	Pro Forma Adjustment	Cap Sch 4-S1	CS 3-S1-18R	\$ (11,762,615)	
3	2018 Pro Forma Customer Deposits	Cap Sch 4-S1		\$ 71,161,098	[.7]

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> Workpaper CS-S1 CS 4-S1-18R Page [.3c]

Northern Indiana Public Service Company Pro Forma Adjustment to Capital Structure As of June 30, 2018

This pro forma adjusts the budgeted deferred income taxes as of June 30, 2018.

Line		Attachment 3-F-S1		Page
No.	Description	Reference Adjustm	ent Amount	Reference
	Α	В С	D	E
1	2018 Budgeted Deferred Income Taxes	Cap Sch 4-S1	\$ 1,259,443,146	[.8]
2	Pro Forma Adjustment	Cap Sch 4-S1	18R \$ (59,878,150)	-
3	2018 Pro Forma Deferred Income Taxes	Cap Sch 4-S1	\$ 1,199,564,996	[.8]

Workpaper CS-S1 Page [.4]

Northern Indiana Public Service Company December 31, 2016 Capital Structure

Line No.	Description	Company	-	Percent of Total	Cost	_	Weighted Average Cost
	Α	В		С	D		E
1	Common Equity	\$ 2,335,770,300	[.5]	48.37%	9.85%		4.76%
2	Long-Term Debt	1,570,632,945	[.6]	32.52%	5.39%	[.6A]	1.75%
3	Customer Deposits	70,395,268	[.7]	1.46%	4.61%	[.7A]	0.07%
4	Deferred Income Taxes	1,023,648,346	[.8]	21.20%	0.00%		0.00%
5	Post-Retirement Liability	108,734,093	[.9]	2.25%	0.00%		0.00%
6	Prepaid Pension Asset	(282,773,632)	[.10]	-5.86%	0.00%		0.00%
7	Post-1970 ITC	 3,038,277	[.11]	0.06%	8.06%	Α	<u>0.01</u> %
8	Totals	\$ 4,829,445,597		<u>100.00</u> %			<u>6.59</u> %

Cost of Investor Supplied Capital

	Description	otal Company Capitalization	Percent of Total	Cost	Weighted Average Cost	
	Α	В	С	D	E	
9	Common Equity	\$ 2,335,770,300	59.79%	9.85%	5.89%	
10	Long-Term Debt	 1,570,632,945	<u>40.21</u> %	5.39%	<u>2.17</u> %	
11	Totals	\$ 3,906,403,245	100.00%		<u>8.06</u> % A	

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Northern Indiana Public Service Company December 31, 2017 Capital Structure

Line No.	Description	I Company italization		Percent of Total	Cost	_	Weighted Average Cost
	Α	В		С	D		E
1	Common Equity	\$ 2,511,770,582	[.5]	49.35%	9.85%		4.86%
2	Long-Term Debt	1,693,751,785	[.6]	33.28%	5.17%	[.6A]	1.72%
3	Customer Deposits	71,161,098	[.7]	1.40%	4.78%	[.7A]	0.07%
4	Deferred Income Taxes	1,151,324,030	[.8]	22.62%	0.00%		0.00%
5	Post-Retirement Liability	93,649,339	[.9]	1.84%	0.00%		0.00%
6	Prepaid Pension Asset	(434,568,447)	[.10]	-8.54%	0.00%		0.00%
7	Post-1970 ITC	 2,930,107	[.11]	<u>0.06</u> %	7.96%	В	0.00%
8	Totals	\$ 5,090,018,494		100.00%			6.65%

Cost of Investor Supplied Capital

	Description	otal Company Capitalization	Percent of Total	Cost	Weighted Average Cost	
	A	 В	С	D	E	
9	Common Equity	\$ 2,511,770,582	59.73%	9.85%	5.88%	
10	Long-Term Debt	 1,693,751,785	40.27%	5.17%	2.08%	
11	Totals	\$ 4,205,522,366	100.00%		7.96 % B	

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Northern Indiana Public Service Company June 30, 2018 Capital Structure

Line No.	Description	Total Company Capitalization	Percent Total	of Cost		Weighted Average Cost
	A	В	С	D		E
1	Common Equity	2,610,261,937	[.5] 45.91%	9.85%		4.52%
2	Long-Term Debt	2,147,947,014	[.6] 37.78%	4.83%	[.6A]	1.82%
3	Customer Deposits	71,161,098	[.7] 1.25%	4.91%	[.7A]	0.06%
4	Deferred Income Taxes	1,199,564,996	[.8] 21.10%	0.00%		0.00%
5	Post-Retirement Liability	87,343,313	[.9] 1.54%	0.00%		0.00%
6	Prepaid Pension Asset	(434,048,447)	[.10] -7.63%	0.00%		0.00%
7	Post-1970 ITC	2,800,573	[.11] <u>0.05</u> %	7.58%	С	0.00%
8	Totals	\$ 5,685,030,483	100.00%	6		<u>6.40</u> %

Cost of Investor Supplied Capital

	Description	otal Company Capitalization	Percent of Total	Cost	Weighted Average Cost	
	A	В	С	D	E	
9	Common Equity	\$ 2,610,261,937	54.86%	9.85%	5.40%	
10	Long-Term Debt	 2,147,947,014	<u>45.14</u> %	4.83%	<u>2.18</u> %	
11	Totals	\$ 4,758,208,950	100.00%		<u>7.58</u> % C	

Northern Indiana Service Company Weighted Average Cost of Capital Equity Calculation December 31, 2016 & 2017 and June 30, 2018 Workpaper CS-S1 Page [.5]

		Balance						
Line.	Description	2016			2017		6/30/18	
1	Common Stock	\$	859,487,917	\$	859,487,917	\$	859,487,917	
2	Additional Paid in Capital		89,369,307		89,369,307		89,369,307	
3	APIC Tax savings alloc		117,351,852		117,351,852		117,351,852	
4	Retained Earnings		1,094,070,691		1,260,695,558		1,479,957,443	
5	Retained Earnings - Current Period		166,624,867		219,261,885		69,135,349	
6	Capital Stock Expense		(469,622)		(469,622)		(469,622)	
7	Common Stock Dividends Declared		-		(50,000,000)		(25,000,000)	
8		\$	2,326,435,012	\$	2,495,696,897	\$	2,589,832,246	
9	GAAP-to-FERC Adjustments							
10	Capital Trackers - Return on Equity		8,683,191		14,009,326		18,365,332 {a}	[.5A]
11	Economic Development Rider		632,097		2,044,359		2,044,359 (b)	
12	Capital Stock Expense		20,000		20,000		20,000	
13	Common Equity	\$	2,335,770,300	\$	2,511,770,582	\$	2,610,261,937	_
			[.4]		[.4]	===	[.4]	

NOTES:

⁽a) FERC to GAAP adjustment is due to capital tracker return on equity, which is recorded on the FERC books, but not on the GAAP books.

FERC to GAAP adjustment is due to Electric Rider 677, which provided a credit in the form of an economic development rider to certain companies. The contracts and credit, which are for five years, are a reduction in revenues for NIPSCO. In Cause No. 44688 the IURC authorized NIPSCO to defer, as a regulatory asset, the discounted revenue associated with the economic development rider contracts that were in effect during the test year that continue beyond October 1, 2016, that date of new, effective basic rates.

Northern Indiana Public Service Company Capital Structure - Equity Component FERC-to-GAAP Adjustment TDSIC Return on Equity Workpaper CS-S1 Page [.5A]

Line	Category	Туре	6/30/18
1	TDSIC Gas	20% FERC-to-GAAP Adjustment	\$ 8,636,234
2	TDSIC Electric	20% FERC-to-GAAP Adjustment	2,994,262
3	TDSIC Electric	1A 100% FERC-to-GAAP Adjustment	12,814,567
4		Pre-Tax	24,445,063
5		Tax Adjustment	(6,079,732) [.8]
6		Total FERC-to-GAAP Adjustment	\$ 18,365,332 [.5]

Footnote: Additional Support available upon request.

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Northern Indiana Service Company Weighted Average Cost of Capital Debt Calculation December 31, 2016 & 2017 and June 30, 2018 Workpaper CS-S1 Page [.6]

		Balance					
Line	Description		2016		2017		6/30/18
1	Long-Term Debt - Polution Control Bonds	\$	109,000,000	\$	109,000,000	\$	68.000.000
2	Current Portion of Other Long Term Debt Transfers	Ψ	55,000,000	Ψ	-	Ψ	41,000,000
3	Current Portion of Long Term Notes		27,500,000		-		-
4	Current Portion of Long Term Notes - Intercompany		-		80,000,000		-
5	Long term Debt - Affiliates		1,463,000,000		1,585,500,000		2,080,500,000
6	Total Long Term Debt	\$	1,654,500,000	\$	1,774,500,000	\$	2,189,500,000
7	Less Current Portion of Long Term Debt		(82,500,000)		(80,000,000)		(41,000,000)
8	Subtotal Long Term Debt	\$	1,572,000,000	\$	1,694,500,000	\$	2,148,500,000
9	Unamortized Premium/Discount on Long-term Debt		(216,562)		(177,606)		(182,033)
10	Unamortized Reacquision Premium on Debt		(415,171)		(171,297)		· - ·
11	Unamortized reacquistion prem on debt - Current		(735,322)		(399,312)		(370,953)
12	Long Term Debt included in Capital Structure	\$	1,570,632,945	\$	1,693,751,785	\$	2,147,947,014
13			[.4] [.6A]		[.4] [.6A]		[.4] [.6A]

Northern Indiana Public Service Company Internal Interest Payment Schedule

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Line No.	Yield	Series	Date Issued	Final Maturity	Principal Debt as of 12/31/16	2016 Normalized ¹ Interest Requirement	2016 Cost Rate	Principal Debt as of 12/31/17	2017 Normalized ¹ Interest Requirement	2017 Cost Rate	Principal Debt as of 6/30/18	6/30/18 Normalized ¹ Interest Requirement	6/30/18 Cost Rate
IVO.	A	B	C C	D D	E	F = A * E	G = F / E	H	I = A * H	J = I / H	H	I = A * H	J=I/H
						1-8 2	0-172		1-8 11	3 - 17 11		1-8 11	
1	Pollution Cont		00/25/00	11/01/16									
2	5.60%	Series 1988 Notes Series A Series 1988 Notes Series B	08/25/08										
	5.60%		08/25/08	11/01/16									
3	5.60%	Series 1988 Notes Series C	08/25/08	11/01/16	FF 000 000	2 425 222			•	:			
4	5.70%	Series 2003 C Notes	08/25/08	07/01/17	55,000,000	3,135,000		44 000 000	\$ -	į	44 000 000	\$ -	
5	5.85%	Series 1994 C Notes	08/25/08	04/01/19	41,000,000	2,398,500		41,000,000	2,398,500	ļ	41,000,000	2,398,500	
	Medium Term	Notes											
6	7.69%	Series E	06/06/97	06/06/27	20,000,000	1,538,000		20,000,000	1,538,000	!	20,000,000	1,538,000	
7	7.59%	Series E	06/10/97	06/12/17	22,500,000	1,707,750			-	!		-	
8	7.69%	Series E	06/06/97	06/27/27	33,000,000	2,537,700		33,000,000	2,537,700	į	33,000,000	2,537,700	
9	7.02%	Series E	08/04/97	08/04/17	5,000,000	351,000			-	į		-	
10	7.16%	Series E	08/04/97	08/04/27	5,000,000	358,000		5,000,000	358,000	!	5,000,000	358,000	
11	7.40%	Series E	08/26/97	08/30/22	10,000,000	740,000		10,000,000	740,000	!	10,000,000	740,000	
		N								!			ļ
10		Notes from Nisource Finance Cor		07/27/20	127 500 000	7 452 500		127 FOC 222	7 452 500	!	127 500 000	7 452 500	
12	5.42%	Intercompany Debt	06/28/05	06/26/20	137,500,000	7,452,500		137,500,000	7,452,500	į	137,500,000	7,452,500	į
13	5.99%	Intercompany Debt	09/19/05	09/18/25	75,000,000	4,488,750		75,000,000	4,488,750	i	75,000,000	4,488,750	
14	6.53%	Intercompany Debt	06/06/08	06/06/23	80,000,000	5,220,000		80,000,000	5,220,000	!	80,000,000	5,220,000	
15	6.09%	Intercompany Debt	06/06/08	06/06/18	80,000,000	4,872,000		80,000,000	4,872,000	į	-		
16	6.41%	Other Debt	12/04/09	12/04/29	120,000,000	7,692,000		120,000,000	7,692,000	i	120,000,000	7,692,000	
17	4.53%	FGD	12/19/12	12/21/37	55,000,000	2,491,500		55,000,000	2,491,500	ļ	55,000,000	2,491,500	
18	4.83%	FGD	12/19/12	12/19/42	95,000,000	4,588,500		95,000,000	4,588,500	•	95,000,000	4,588,500	
19	5.17%	FGD	07/31/13	07/26/38	89,000,000	4,601,300		89,000,000	4,601,300	ļ	89,000,000	4,601,300	
20	5.43%	FGD	07/31/13	07/24/43	95,000,000	5, 158, 500		95,000,000	5,158,500	!	95,000,000	5,158,500	
21	4.99%	FGD	02/01/14	02/15/44	66,000,000	3,293,400		66,000,000	3,293,400	į	66,000,000	3,293,400	
22	4.35%	FGD	12/01/14	12/16/44	82,000,000	3,567,000		82,000,000	3,567,000	i	82,000,000	3,567,000	
23	4.55%	Intercompany Debt	06/01/15	06/26/35	93,750,000	4,265,625		93,750,000	4,265,625	ļ	93,750,000	4,265,625	
24	4.99%	Intercompany Debt	06/01/15	06/26/45	93,750,000	4,678,125		93,750,000	4,678,125		93,750,000	4,678,125	
25	4.70%	Additional Capital Projects	12/01/15	12/30/45	91,000,000	4,277,546		91,000,000	4,277,546		91,000,000	4,277,546	
26	4.36%	Additional Capital Projects	12/01/16	11/30/46	210,000,000	9, 156, 000		210,000,000	9,164,400		210,000,000	9,164,400	
27	8 4.16% ²	Additional Capital Projects	06/01/17	05/31/47				11,500,000	478,527		11,500,000	478,527	
28	4.16% ²	CPCN Projects	06/01/17	05/31/47				28,500,000	1, 185, 914		28,500,000	1,185,914	
29	g 4.11%	Additional Capital Projects	08/01/17	07/01/47				162,500,000	6,682,488		162,500,000	6,682,488	
30	₹ 4.30%	Intercompany Debt	06/01/18	06/01/48							245,000,000	10,535,000	
31	å 4.30%	Additional Capital Projects	06/01/18	06/01/48							250,000,000	10,750,000	
32		Polution Control Bonds			\$96,000,000	\$5,533,500		\$ 41,000,000	\$ 2,398,500		\$ 41,000,000	\$ 2,398,500	
33	ĺ	Medium Term Notes			95,500,000	7,232,450		68,000,000	5, 173, 700		68,000,000	5,173,700	
34		Intercompany Notes - Affiliates			1,463,000,000	\$75,802,746		1,665,500,000	84,158,074		2,080,500,000	100,571,074	
35		Total Debt			\$ 1,654,500,000	\$88,568,696		\$ 1,774,500,000	\$ 91,730,274		\$ 2,189,500,000	\$ 108,143,274	
36		less Current portion of Long-Term I	Debt		(82,500,000)	(5, 193, 750)		(80,000,000)	(4,872,000)		(41,000,000)	(4,872,000)	
37		Subtotal			\$ 1,572,000,000	\$ 83,374,946		\$ 1,694,500,000	\$ 86,858,274		\$ 2,148,500,000	\$ 103,271,274	
38 39													
40		Def Chrgs-Unamortized Debt Exp											
41		Unamortized Premium/Discount on	Long-term Debt		(216,562)			(177,606)			(183,492)		
42		Unamortized Reacquision Premium	on Debt		(415,171)			(171,297)			(19,969)		
43		Unamortized reacquistion prem on			(735,322)			(399,312)			(384,260)		
44		Amortization of Debt Discount and	Expense		· ·	27,816			22,431			35,063	
45		Amortization of Call Premiums on E		Long Term Debt		1,269,731			618,655			404,229	
46													
47		Total Long-Term Debt Used to	Calculate Weighte	ed Cost	\$ 1,570,632,945	\$ 84,672,493	5.39%	\$ 1,693,751,785	\$ 87,499,359		\$ 2,147,912,279	<i>\$ 103,710,566</i>	4.83%
					[.6]		[.4]	[.6]		[.4]	[.6]		[.4]

Footnote 1: Interest expense was normalized to exclude interest expense related to the Current portion of long term debt and to reflect a full year of interest expense for notes issued during the year.

NOTE: The downward trending Cost Rate is attributable to External Debt (i.e., Pollution Control Bonds and Medium Term Notes) not being replaced. Planning's assumption is that as Intercompany Debt matures, it is replaced with new issuances.

Footnote 2: Issued in June 2017 with an actual interest rate of 4.1611%

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> Workpaper CS-S1 Page [.7]

Northern Indiana Service Company Weighted Average Cost of Capital Customer Deposits December 31, 2016 & 2017 and June 30, 2018

	Balance					
	Actual		Actual	Budget		
Description		2016	2017	6/30/18		
Customer Deposits	\$	70,395,268 \$	71,161,098 \$	82,923,713		
Ratemaking Adjustment			\$	(11,762,615)		
Ratemaking Balance			\$	71,161,098		
		A [.4][.7A]	[.4] [.7A]	[.4]		
Balance Per Budget	\$	70,395,268 A				
Balance Per WACC		70,395,268				
Variance	\$	-				

Northern Indiana Public Service Company Weighted Average Cost of Capital Cost of Customer Deposits December 31, 2016 & 2017 and June 30, 2018 Workpaper CS-S1 Page [.7A]

	Balance							
Description		2016		2017		2018		
Gas	\$	17,373,876	\$	17,290,163	\$	17,290,163		
Elec		30,968,247	\$	32,045,208	\$	32,045,208		
Combo		21,710,529	\$	21,823,469	\$	21,823,469		
Total Deposit amt. per CIS	\$	70,052,652	\$	71,158,840	\$	71,158,840		
Total Deposit amt. per PS	\$	70,395,268	[.7] \$	71,161,098				
Variance	\$	342,616	{a} \$	2,258				

	Interest Rates					
Description	2016	2017	2018			
Gas	0.50%	1.00%	1.50%			
Electric	6.00%	6.00%	6.00%			
Combination	6.00%	6.00%	6.00%			

	Cost	of Customer Dep	oosts			
Description	2016		2017		2018	
Gas	\$	86,869	\$	172,902	\$	259,352
Electric		1,858,095		1,922,712		1,922,712
Combination		1,302,632		1,309,408		1,309,408
Total	\$	3,247,596	\$	3,405,022	\$	3,491,473
Cost of Customer Deposits		4.61%		4.78%		4.91%
		[.4]		[.4]		[.4]

NOTE:

An immaterial reconciling variance was noted between PeopleSoft and CIS (billing subledger). PeopleSoft reports the balance as of December 31, 2016, while the CIS report is generated on the second business day of the month.

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> Workpaper CS-S1 Page [.8]

Northern Indiana Service Company Weighted Average Cost of Capital Equity Calculation December 31, 2016 & 2017 and June 30, 2018

	Balance							
Description		2016		2017		6/30/2018		
Deferred Income Taxes	\$	1,015,277,787	\$	584,608,121	\$	711,813,934		
Regulatory Affect of Adopting SFAS 96		1,876,837		1,810,017		-		
Regulatory Affect of Adopting ASC 740		-		-		-		
SFAS 109 - Noncurrent		776,664		555,027,505		547,629,212		
Deferred Tax Assets		-		-		-		
Deferred Tax Asset Noncurrent		-		-		-		
Negative Def Inc Tax Reclass		-		-		-		
SFAS 133 Fed Tax		2,364		1,333		-		
SFAS 133 St Tax		-		(152)		-		
Subtotal Budget	\$	1,017,933,651	\$	1,141,446,823	\$	1,259,443,146	_	
Ratemaking Adjustment					\$	(65,957,882)		
Subtotal Ratemaking					\$	1,193,485,264		
GAAP-to-FERC Adjustments								
Federal and State ADIT		5,714,695		9,877,207		6,079,732 [.5A]	{a	
Total Deferred Income Taxes	\$	1,023,648,346 [.4]	\$	1,151,324,030 [.4]	\$	1,199,564,996 [.4]		

NOTES:

Footnote: Additional Support available upon request.

⁽a) FERC to GAAP adjustment is due to capital tracker return on equity, which is recorded on the FERC books, but not on the GAAP books.

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Northern Indiana Service Company Weighted Average Cost of Capital Other Post Retirement Benefits December 31, 2016, December 31, 2017 and June 30, 2018 Workpaper CS-S1 Page [.9]

Description	Actual 12/31/2016	2017 Activity	Actual 12/31/2017	Budget Activity Jan-June 2018	Pre-Adjusted 6/30/18	Ratemaking Adjustments	Pro forma 6/30/18
Cumulative Post Retirement Benefits Exp - FAS 106 Annual Expense:	\$ 477,219,898 \$	8,480,888 A	\$ 485,700,786	\$ 4,609,000	\$ 490,309,786	\$ (103,000)	\$ 490,206,786
Capitalization Ratio	23.41%	27.61% [.9E]	23.49%	24.09%	23.49%		23.52%
Post Retirement Benefits, net of capitalization	111,735,294	2,341,644	114,076,938	1,110,308	115,187,246	111,719	115,298,965
Post Retirement Benefits, net of capitalization, cumulative	365,484,604		371,623,848		375,122,540	(214,719)	374,907,821
Amort of Reg Assets/Liab Expense (FAS 106), Cumulative	88,948,004	-	88,948,004	-	88,948,004	-	88,948,004
Total Cumulative OPEB Expense	454,432,608		460,571,852		464,070,544	(214,719) [.1]	463,855,825
LESS Retiree Medical Payments, Cumulative	345,698,515		366,922,513		377,361,332	(848,820)	376,512,512
Estimated Annual Retiree Medical Payments (based on 16')	040,090,010	21,223,998 [.9E]	300,922,313	10,438,820	377,301,332	[.1]	370,312,312
Post Retirement Liability*	108,734,093		\$ 93,649,339		\$ 86,709,212	\$ 634,101	\$ 87,343,313
_	[.4]		[.4]		[.1]	[.1]	[.1],[.4]

OPEB Expense	Per CL 16-08	Per CL17-07	Percentage Increase	Hewitt Alloc. May 17' Update	
Retiree Medical (offset OCI)	(2,619,077)	(3,061,691) [.10A]	IIICIease	(3,253,428)	-
Retiree Life (offset OCI)	110.547	113,252 [.10A]		120,344	
Retiree Medical (offset liability)	12,693,821	10,052,574 [.10A]		10,682,112	
Retiree Life (offset Liability)	1,585,816	1,376,753 [.10A]		1,462,972	
Net Expense before capitalization	11,771,107	8,480,888 A, [.10A]	6.26%	9,012,000	
Hewitt May Update Expense (rounded)	11,771,107	0,400,000 14, [1104]	0.2070	9,012,000	
AonHewitt Allocation May 2017 Update					
Pre-65 Retiree Medical				_	•
Union				(413,000) [.9A]	
Non-union				664,000 [.9A]	
Post-65 Retiree Medical					
Union				4,639,000 [.9B]	
Non-union				2,637,000 [.9B]	
Retiree Life Insurance					
Union				907,000 [.9C]	
Non-union				578,000 [.9C]	
Total				9,012,000	•
Expense Capitilization Update					_
Net Expense before capitalization				9,012,000	
2016 Average Rate				27.12% [.9E]	_
Capitilization Amount based on 2016 Average Rate (27.12%)			_	2,444,054	
AonHewitt Allocation May 2017 Update					
Forecasted Medical and Life payments	•		•	19,180,000	[.9



NiSource Inc.
Pre-65 Retiree Medical
Estimated 2017-2022 ASC 715-60 Ongoing Expense Components (\$000)

Workpaper CS-S1 Page [.9A]

	 2017	2018		
NIPSCO Union				
Service Cost	\$ 768	\$	748	
Interest Cost	1,080		989	
Other	 (2,126)		(2,150)	
Total Expense	\$ (278)	\$	(413) [.9]	
NIPSCO Nonunion				
Service Cost	\$ 276	\$	281	
Interest Cost	365		368	
Other	 (83)		15	
Total Expense	\$ 558	\$	664 [.9]	



NiSource Inc.
Post-65 Retiree Medical
Estimated 2017-2022 ASC 715-60 Ongoing Expense Components (\$000)

Workpaper CS-S1 Page [.9B]

		2017		2018		
NIPSCO Union						
Service Cost	\$	802	\$	794		
Interest Cost		5,210		5,374		
Other	<u> </u>	(1,856)		(1,529)		
Total Expense	\$	4,156	\$	4,639 [.9]		
NIPSCO Nonunion						
Service Cost	\$	198	\$	176		
Interest Cost		1,935		1,927		
Other		422	-	534		
Total Expense	\$	2,555	\$	2,637 [.9]		



NiSource Inc.
Retiree Life Insurance
Estimated 2017-2022 ASC 715-60 Ongoing Expense Components (\$000)

Workpaper CS-S1 Page [.9C]

	2	017	2018		
NIPSCO Union					
Service Cost	\$	136	\$	141	
Interest Cost		623		630	
Other		136		136	
Total Expense	\$	895	\$	907 [.9]	
NIPSCO Nonunion					
Service Cost	\$	30	\$	26	
Interest Cost		588		571	
Other		(23)		(19)	
Total Expense	\$	595	\$	578 [.9]	

NiSource Inc. Benefit Plans for the Period 2017 through 2022 (\$000) Northern Indiana Energy (NIPSCO)

Workpaper CS-S1 Page [.9D]

Line No.	Α	В		С	
1		20	17		<u> </u>
2	Cash Estimates by Plan:	<u>Prior</u>		Current	
3	Retirement	\$ 51	\$	47	
4	D.C.	10,477		10,177	
5	Medical Active*	34,361		36,073	
6	Medical Retiree	17,593		17,236	Α
7	Dental	2,457		2,429	
8	Group Life Active	553		739	
9	Group Life Retiree	1,663		1,723	Α
10	Long Term Disability	1,180		1,246	
11	Value Options**	46		46	
12	Opt Out Credits	254		257	
13	Vision	 559		563	
14	Total	\$ 69,194	\$	70,536	

 D	E	_						
2018								
<u>Prior</u>		Current						
\$ 50,214	\$	31,940						
10,792		10,483						
38,054		39,511						
17,911		17,423	В					
2,531		2,501						
570		756						
1,698		1,757	В					
1,215		1,283						
46		46						
254		257						
 559		563						
\$ 123,844	\$	106,520						

Sum of A =	18,959
Multiplied by 1,000	18,959,000 [.9]

Sum of B = \$ 19,180 Multiplied by 1,000 19,180,000 **[.9]**

15		2017				
16	Expense Estimates by Plan:		<u>Prior</u>		<u>Current</u>	
17	Retirement	\$	15,542	\$	14,056	
18	Qualified		15,431		13,994	
19	Settlements		50		-	
20	SERP		61		62	
21	D.C.		10,504		10,204	
22	Savings Plan Match		9,600		9,290	
23	Profit Sharing		904		914	
24	Medical		41,869		43,064	
25	Active*		34,361		36,073	
26	Retiree		7,508		6,991	
27	Dental		2,457		2,429	
28	Group Life		2,030		2,229	
29	Active		553		739	
30	Retiree		1,477		1,490	
31	Long Term Disability		1,180		1,246	
32	Value Options**		46		46	
33	Opt Out Credits		254		257	
34	Vision		559		563	
35	TOTAL	\$	74,441	\$	74,094	

2042											
2018											
	<u>Prior</u>		Current								
\$	12,828	\$	11,840								
	12,735		11,749								
	39		39								
	54		52								
	10,819		10,510								
	9,888		9,568								
	931		942								
	45,799		47,038								
	38,054		39,511								
	7,745		7,527								
	2,531		2,501								
	2,043		2,241								
	570		756								
	1,473		1,485								
	1,215		1,283								
	46		46								
	254		257								
	559	_	563								
\$	76,094	\$	76,279								

38

^{36 *}Includes Rx, HSA, and administrative expenses.

^{37 **} Includes EAP, Work Life, and mental health costs.

Workpaper CS-S1 Page [.9E]

Northern Indiana Public Service Company Summary of Post Retirement Liability - SFAS 106 February 28, 1997 - December 31, 2017

						SFAS 106	Less Benefits	
Line	Period	OPEB Expense	Cap. Ratio	Cap. Amount	Net Expense	Trans.	Paid	Total
	Α	В	С	D = (B*C)	E = (B-D)	F	G	H = (E+F-G)
1	YTD (1997 - 2015)	\$ 465,448,791	23.32%	\$ 108,542,658	\$ 356,906,133 \$	88,948,004	\$ 324,820,876	\$ 121,033,261
2	Jan 2016	998,743	26.52%	264,867	733,877	-	1,539,274	(805,397)
3	Feb 2016	963,108	26.42%	254,453	708,655	-	2,210,636	(1,501,981)
4	Mar 2016	980,926	27.12%	266,027	714,899	-	1,489,323	(774,424)
5	Apr 2016	980,926	29.46%	288,981	691,945	-	1,713,845	(1,021,900)
6	May 2016	980,926	29.50%	289,373	691,553	-	2,021,802	(1,330,250)
7	Jun 2016	980,926	28.84%	282,899	698,027	-	1,456,973	(758,946)
8	Jul 2016	980,926	25.26%	247,782	733,144	-	1,514,066	(780,922)
9	Aug 2016	980,926	26.86%	263,477	717,449	-	1,965,262	(1,247,813)
10	Sep 2016	980,926	26.95%	264,359	716,566	-	1,919,968	(1,203,402)
11	Oct 2016	980,926	27.45%	269,264	711,662	-	1,769,926	(1,058,264)
12	Nov 2016	980,926	27.00%	264,850	716,076	-	1,528,996	(812,921)
13	Dec 2016	980,926	24.09%	236,305	744,621	-	1,747,567	(1,002,947)
14	Jan 2017	706,741	26.23%	185,378	521,363	-	1,672,225	(1,150,863)
15	Feb 2017	706,741	27.05%	191,173	515,567	-	2,095,776	(1,580,208)
16	Mar 2017	706,741	25.15%	177,745	528,995	-	2,019,209	(1,490,213)
17	Apr 2017	706,741	28.21%	199,372	507,369	-	1,989,317	(1,481,948)
18	May 2017	706,741	29.05%	205,308	501,433	-	1,456,803	(955,371)
19	Jun 2017	706,741	29.04%	205,237	501,503	-	1,462,097	(960,594)
20	Jul 2017	706,741	26.69%	188,629	518,112	-	1,630,219	(1,112,108)
21	Aug 2017	706,741	29.62%	209,337	497,404	-	2,045,808	(1,548,404)
22	Sep 2017	706,741	29.10%	205,662	501,079	-	1,549,614	(1,048,535)
23	Oct 2017	706,741	28.30%	200,008	506,733	-	1,835,257	(1,328,524)
24	Nov 2017	706,741	27.87%	196,969	509,772	-	1,822,126	(1,312,354)
25	Dec 2017	706,741	25.02%	176,827	529,914	-	1,645,546	(1,115,632)
26	Totals	\$ 485,700,786		\$ 114,076,938	\$ 371,623,848 \$	88,948,004	\$ 366,922,513	\$ 93,649,339

- 27 B) OPEB Expense as per SFAS 106 Postretirement Benefit Expense.
- 28 C) Capitalization Ratio is a percentage of labor being capitalized.
- 29 D) Capitalization Amount is the amount of OPEB being capitalized by applying the Capitalization Ratio.
- 30 E) Total OPEB less the Capitalized Portion of OPEB Expense.
- 31 F) SFAS 106
- 32 G) OPEB paid out.

	2016 Expense	Avg. Rate	Capitalization
Avg. 2016 Rate	11,771,107	27.12%	3,192,636
		[.9]	
	2017 Expense	Avg. Rate	Capitalization
Avg. 2017 Rate	8,480,888	27.61%	2,341,644
		[.9]	

[.9]

Northern Indiana Service Company Weighted Average Cost of Capital Prepaid Pension Asset December 31, 2016, December 31, 2017 and June 30, 2018 Workpaper CS-S1 Page [.10]

	Description	Actual 12/31/2016	2	017 Activity	Actual 12/31/2017	udget Activity an-June 2018	Pre-Adjusted 6/30/2018	Ratemaking Adjustments	Pro forma 6/30/2018
	SFAS 158 Pension OCI Reg Asset	\$ 521,934,761			\$ 490,817,079		\$ 490,817,079		\$ 477,753,156
	Adjust 2018 beginning balance 2017 amortization Adjust for no 2018 amortization in budget			(31,117,682) A		- D		(13,063,923) J-D	
LESS:	SFAS 158 Pension OCI Reg Asset	\$ 521,934,761	\$	(31,117,682)	\$ 490,817,079	\$ -	\$ 490,817,079	\$ (13,063,923) [.2]	\$ 477,753,156
	Pension Liability Accrued LT Pension Cost - Qualified Pension Expense recognition September 14, 2017 Pension Plan Contribution 2017 Pension Liability Transfers and Other Adj 2018 Budget Expense to Hewitt Update	\$ 238,815,206		(17,117,411) B (165,672,532) (177,010)	\$ 55,848,253	(18,693,000) E	\$ 37,155,253	11,506,715 G-E	\$ 43,281,468
	Adj 2018 Expense for '17 Pension Contribution Accrued LT Pension Cost - Nonqualified Adj for Expense per CL 17-07	308,623		54,456 C	363,079	- F	363,079	(5,380,500) K-J	385,941
	Accrued ST Pension Costs - Nonqualified Pension Liability	\$ 37,300 239,161,129	\$	- C (182,912,497)	\$ 37,300 56,248,632	\$ - F (18,693,000)	\$ 37,300 37,555,632	\$ 6,149,076 [.2]	\$ 37,300 43,704,708
	Prepaid Pension Asset:	\$ 282,773,632	\$	151,794,815 [.10D]	\$ 434,568,447	\$ 18,693,000	\$ 453,261,447	\$ (19,213,000)	\$ 434,048,447
		[.4]			[.4]		[.2]	[.2]	[.2],[.4]

Pension Expense Update	Per CL 16-08	Per CL17-07	Percentage Increase	Hewitt Alloc. May 17' Update	
Qualified Pension (offset liability)	(10,637,208)	(17,117,411) B,[.10A]		(14,372,571)	G
Non-Qualified Pension (offset liability)	51,017	54,456 C,[.10A]		45,724	Н
· · · · · · · · · · · · · · · · · · ·	(10,586,191)	(17,062,955)	_	(14,326,847)	-
Qualified Pension (offset OCI)	36,881,179	31,110,883 [.10A]		26,122,138	
Non-Qualified Pension (offset OCI)	5,683	6,799 [.10A]		5,709	
· · · · · · · · · · · · · · · · · · ·	36,886,862	31,117,682 A	_	26,127,847	I
Net Expense before capitalization	26,300,671	14,054,727 [.10A]	-16.04%	11,801,000	
AonHewitt May Update Expense (rounded)				11,801,000	J
Proforma 2018 Expense per Attachment FA-2				1,040,000	K
AonHewitt Allocation May 2017 Update (rounded)					
Qualified Pension					
Union				9,698,000	[.10B]
Non-union				2,051,000	[.10B]
Qualified Pension					
Union				-	[.10C]
Non-union				52,000	[.10C]
Total				11,801,000	J

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NiSource Inc. Annual 2017 Expense With 12/31/2016 Measurement Date Workpaper CS-S1 Page [.10A]

DR (CR) PENSION EXPENSE (1)		DR (CR) PENSION EXPENSE (1)		
Pension Expense acct #:	92600000 *	Pension Expense acct #:	92600000 *	
Qualified Pension	9005	Qualified Pension	9005	
Nonqualified Pension	9033	Nonqualified Pension	9033	
OFFSET - PENSION LIABILITY OR AS	SET (2)	OFFSET - ACCUM OCI OR OCI REG ASSET (3)		
Pension Liability - Qualified acct #:	22838000	Accumulated OCI Transfer - Pension acct #:	21905010	
Pension Liability - Nonqualified acct #:	22838020	FAS 158 Pension OCI Regulatory Asset - Qual acct #:	18235115	
		FAS 158 Pension OCI Regulatory Asset - NQ acct #:	18235450	
Pension Asset acct #:	18601060	FAS 158 Pension OCI Regulatory Liability acct #:	25405970	
Qualified Pension	Nonqualified Pension	Qualified Pension	Nonqualified Pension	Pension Total
(17,117,411)	54,456	31,110,883	6,799	14,054,72
[.10]	[.10]	[.10]	[.10]	[.1

NIPSCO

^{*} Some companies may be able to collect these charges and therefore will charge the expense to a regulatory asset account.

⁽¹⁾ If the below amount is positive it will be a debit to expense, if the below amount is negative it will be a credit to expense

⁽²⁾ If the entity's balance sheet contains a pension liability balance use the pension liability account for the offset, if the entity's balance sheet contains a pension asset balance use the pension asset account for the offset.

(3) If the entity's has an AOCI balance on it's balance sheet due to the SFAS 158 entries, use the Accum. OCI *Transfers* -Pension account for the offset, if the entity has a OCI regulatory asset on its balance sheet due to the SFAS 158 entries, use the FAS 158 entries, use the FAS 158 Pension OCI Regulatory Asset account for the offset.

⁽⁴⁾ If the entity's balance sheet contains an OPEB liability balance use the OPEB liability account for the offset, if the entity's balance sheet contains an OPEB asset balance use the OPEB asset balance use th

⁽⁵⁾ If the entity's has an AOCI balance on it's balance sheet due to the SFAS 158 entries, use the Accum. OCI Transfers -OPEB account for the offset, if the entity has a OCI regulatory asset/liability on it's balance

NiSource Inc. Annual 2017 Expense With 12/31/2016 Measurement Date Workpaper CS-S1 Page [.10A]

DR (CR) OPEB EXPENSE (1)		DR (CR) OPEB EXPENSE (1)		
OPEB Expense acct #	92600000 *	OPEB Expense acct #	92600000 *	
Retiree Medical	9011	Retiree Medical	9011	
Retiree Life Insurance	9025	Retiree Life Insurance	9025	
OFFSET - OPEB LIABILITY OR ASSET	(4)	OFFSET - ACCUM OCI OR OCI REG ASSET (5)		
OPEB Liability acct #:	22834010	Accumulated OCI Transfer - OPEB acct #:	21905220	
OPEB Asset acct #:	18601040	FAS 158 OPEB OCI Regulatory Asset acct #:	18235114	
		FAS 158 Pension OCI Regulatory Liability acct #:	25405300	
Retiree Medical	Retiree Life Insurance	Retiree Medical	Retiree Life Insurance	OPEB Total
10,052,574	1,376,753	(3,061,691)	113,252	8,480,888
[.9]	[.9]	[.9]	[.9]	[.9]

NIPSCO

has a OCI regulatory asset on its balance sheet due to the SFAS 158 entries, use the FAS 158 Pension OCI Regulatory Asset account for the offset.

^{*} Some companies may be able to collect these charges and therefore will charge the expense to a regulatory asset account.

⁽¹⁾ If the below amount is positive it will be a debit to expense, if the below amount is negative it will be a credit to expense

⁽²⁾ If the entity's balance sheet contains a pension liability balance use the pension liability account for the offset, if the entity's balance sheet contains a pension asset (3) If the entity's has an AOCI balance on it's balance sheet due to the SFAS 158 entries, use the Accum. OCI *Transfers* -Pension account for the offset, if the entity

⁽⁴⁾ If the entity's balance sheet contains an OPEB liability balance use the OPEB liability account for the offset, if the entity's balance sheet contains an OPEB asset

⁽⁵⁾ If the entity's has an AOCI balance on it's balance sheet due to the SFAS 158 entries, use the Accum. OCI Transfers -OPEB account for the offset, if the entity has



NiSource Inc.
Qualified Pension
Estimated 2017-2022 ASC 715-30 Ongoing Expense Components (\$000)

Workpaper CS-S1 Page [.10B]

	2017		2018
NIPSCO Union			
Service Cost	\$	11,749	\$ 11,675
Interest Cost		28,593	28,125
Other		(29,213)	(30,102)
Total Expense	\$	11,129	\$ 9,698 [.10]
NIPSCO Nonunion			
Service Cost	\$	3,173	\$ 2,961
Interest Cost		13,685	12,855
Other		(13,993)	(13,765)
Total Expense	\$	2,865	\$ 2,051 [.10]



NiSource Inc.
Nonqualified Pension
Estimated 2017-2022 ASC 715-30 Ongoing Expense Components (\$000)

Workpaper CS-S1 Page [.10C]

	20	017	2	018
NIPSCO Union				
Service Cost	\$	0	\$	0
Interest Cost		0		0
Other		0		0
Total Expense	\$	0	\$	0 [.10]
NIPSCO Nonunion				
Service Cost	\$	44	\$	38
Interest Cost		11		9
Other		7		5_
Total Expense	\$	62	\$	52 [.10]

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Northern Indiana Public Service Co. Pre-paid Pension Asset As of December 31, 2017 Workpaper CS-S1 Page [.10D]

	<u>Description</u>	PS Acct #	12/31/2016	12/31/2017	2017 Activity
Assets:	NC Reg Asset FAS 158 Pension	18235115	521,934,761.00	443,494,371.00	(78,440,390.00)
Liabilities:	Accd Liab ST Non-Qual Pension SFAS 158 Pension OCI Reg Liab - NC	24206000 254 <u>xxxxx</u>	(37,300.00)	(58,500.00) -	(21,200.00)
	Accum Prov LT PenCost Non-Qual	22838020	(308,623.00)	(473,240.00)	(164,617.00)
	Accum Provisions Pen Cost Qual	22838000	(238,815,206.00)	(8,394,184.00)	230,421,022.00
	Net Pension Assets		282,773,632.00	434,568,447.00	151,794,815.00
				[.10]	[.10]

Petitioner's Exhibit No. 17-S1 Cause No. 44988 Page 86 of 86

Northern Indiana Service Company Weighted Average Cost of Capital Investment Tax Credits December 31, 2016, December 31, 2017 and June 30, 2018 Workpaper CS-S1 Page [.11]

		Balance	
	Actual	Actual	Budget
Description	2016	2017	6/30/2018
Deferred Investment Tax Credits	\$ 3,038,277	\$ 2,930,107	\$ 2,633,411
Ratemaking Adjustment			\$ 167,162
Ratemaking Balance	\$ 3,038,277	\$ 2,930,107	\$ 2,800,573
	[.4]	[.4]	[.4]

Petitioner's Exhibit No. 17-S2 Cause No. 44988 Page 1 of 5

> Workpaper ITX 1-S2-18R Page [.1]

Northern Indiana Public Service Company Pro forma Adjustment to Income Taxes For the Twelve Month Period Ending December 31, 2018

This pro forma adjusts the twelve months ended December 31, 2016 federal and state income tax expense to reflect budgeted and ratemaking changes for the twelve months ending December 31, 2017 and December 31, 2018.

Line		Attachment 3-A-S2			Page
No.	Description	Reference	Adjustments	 Amount	Reference
	A			В	
1	Federal and State Income Taxes:				
2	Actual at Test Year Base Rates	Col B		\$ 21,354,892	[.2]
3	Pro Forma at Test Year Base Rates	Col C	ITX 1-S2-18R	 (25,758,320)	A
4	Increase/ (Decrease) in Pro forma Test Year Federal and State Income Taxes	Col E		\$ (4,403,428)	[.3]
5	Federal and State Income Taxes Roll-forward:				
6	Step 3 - Federal and State Income Taxes			\$ (31,903,647)	
7	Unprotected Excess Accumulated Deferred Income Taxes			 6,145,327	[.5]
8	Step 2 - Federal and State Income Taxes			\$ (25,758,320)	Α

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Northern Indiana Public Service Company Twelve Months Ended December 31, 2016 Utility Income Taxes

																		Adjusted
Line									2016							Twelve Months Ended		Twelve Months Ended
No.	Segmen	t Account	Description	January	February	March	April	May	June	July	August	September	October	November	December	December 31, 2016	Adjustments	December 31, 2016
1	G	40912000	Util Cur ST Exp	\$ 622,413	\$ 371,057 \$	(269,525) \$	(535,815) \$	(1,235,169) \$	(801,015) \$	(748,211) \$	(905,265)	(1,064,930) \$	(6,235,871) \$	555,872 \$	4,252,379	\$ (5,994,082)	\$ 663,776	\$ (5,330,306.00)
2	G	40911000	Util Cur Fed Exp	2,707,744	1,410,291	(1,911,923)	(3,259,229)	(6,854,050)	(4,622,409)	(4,350,987)	(5,158,277)	(5,978,985)	(30,841,975)	2,932,235	22,173,415	(33,754,150)	3,135,415	(30,618,735)
3	G	41011000	Util Def Fed Exp-Dr	5,646,039	6,529,484	8,030,001	7,473,790	6,663,565	5,896,616	6,583,716	6,484,462	12,186,366	39,908,068	14,774,502	68,732,147	188,908,755	(837,881)	188,070,874
4	G	41012000	Util Def ST Exp-Dr	1,034,343	1,155,227	1,748,389	1,244,442	1,133,336	1,020,079	1,119,710	1,102,921	1,867,798	7,182,054	2,419,578	9,132,027	30,159,905	-	30,159,905
5	G	41111000	Util Def Fed Exp-Cr	(2,187,445)	(2,569,585)	(2,994,712)	(1,894,742)	(1,545,107)	(2,385,498)	(2,028,102)	(2,216,059)	(7,601,629)	(12,774,528)	(17,205,768)	(85,558,441)	(140,961,614)	1,499,736	(139,461,879)
6	G	41112000	Util Def ST Exp-Cr	(327,102)	(375,802)	(854,181)	(272,418)	(229,160)	(351,500)	(298,635)	(324,835)	(1,041,532)	(2,366,653)	(2,283,450)	(12,739,700)	(21,464,967)	-	(21,464,967)
7		Uti	lity Income Tax Total	\$ 7,495,993	\$ 6,520,672 \$	3,748,050 \$	2,756,028 \$	(2,066,586) \$	(1,243,727) \$	277,491 \$	(1,017,052)	(1,632,912) \$	(5,128,905) \$	1,192,968 \$	5,991,827	\$ 16,893,846	\$ 4,461,046	\$ 21,354,892 [.1]

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Northern Indiana Public Service Company Calculation Of Federal and State Income Taxes Pro Forma At Test Year Base Rates and Proposed Base Rates For the Twelve Month Period Ending December 31, 2018

				Actual		Pro Forma	Pro Forma Based on Revenue			Pro Forma
Line	B		At Test Year		At Test Year		Requiremen			At Proposed
No.	Description			Base Rates A		Base Rates		Deficiency C		Base Rates
	D T 1 D 1 T		•		•	(47.050.044)		440.000.005		05.040.700
1	Pre-Tax Income Before Income Taxes		\$	53,706,046	\$	(17,656,044)		113,602,805		95,946,762
2	State Income Tax Deductible			3,364,632		434,779		6,769,350	_	7,204,129
3	Pre-Federal Income Taxes		\$	50,341,414	\$	(18,090,823)		\$ 106,833,455	\$	88,742,633
4	Taxes at 35%		\$	17,619,495						
5	Taxes at 21%					(3,799,073)		22,435,027		18,635,953
6	Statutory Adjustments									
7	Net Excess for Method, Basis and Life Differences for Tax Rate Changes			(245,450)		(234,047)		-		(234,047)
8	2018 Tax Reform FT Change			-		(526,898)	.41	-		(526,898)
9	Deficiency for Flow Through of AFUDC Equity			-		19,949	-	-		19,949
10	Prior Year Adjustments			14,585		-		-		-
11	Non Deductible Expenses			(238,175)		35,399		-		35,399
12	Other Adjustments - See supporting schedule			839,805		-		-		-
13	Muncie Remand Method			-		(29,692)		-		(29,692)
14	Investment Tax Credit			<u>-</u>		(303,845)		<u> </u>		(303,845)
15	Total Federal Income Tax Expense	,	\$	17,990,260	\$	(4,838,207)		\$ 22,435,027	\$	17,596,819
16	Pre-Tax Income Before Income Taxes		\$	53,706,046	\$	(17,656,044)		\$ 113,602,805	\$	95,946,762
17	Indiana State Income Taxes (2016 Actuals @ 6.375%)	6.375%		3,423,760		_		_		_
18	Indiana State Income Taxes (2018 Proforma @ 5.875%)	5.875%		-		(1,037,293)		6,674,165		5,636,872
19	Net Excess for Method, Basis and Life Differences for Tax Rate Changes			1,335		922,889		-		922,889
21	Deficiency for Flow Through of AFUDC Equity			-		3,349		-		3,349
22	Prior Year Adjustments			(43,382)		-		-		-
23	Non Deductible Expenses			(421,914)		9,903		-		9,903
24	Other Adjustments - See supporting schedule			(53,363)		35,888		-		35,888
25	Non-Deductible Utility Receipts Tax			458,196		500,043		95,185	_	595,228
26	Total State Income Taxes Before Gross Up		\$	3,364,632	\$	434,779		\$ 6,769,350	\$	7,204,129
27	Total Income Tax Expense	:	\$	21,354,892 [.2] \$	(4,403,428)	.1]	\$ 29,204,376	\$	24,800,948

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Northern Indiana Public Service Company Amortization of Excess Deferred Income Taxes Phase II Base Rate Implementation

Line No.	Description	Excess	Composite Rate	2018 Excess Amortization
1	Protected Property	(28,666,115)	2.180%	(624,921)
2	Unprotected Property	(73,443,711)	0.000%	-
3	Non Property	(300,213)	0.000%	-
4	NOL	4,496,466	2.180%	98,023
5	Total	(97,913,573)		(526,898) [.3

Northern Indiana Public Service Company Amortization of Excess Deferred Income Taxes Unprotected Excess Accumulated Deferred Income Taxes

Line No.	Description	Excess	Composite Rate	2018 Excess Amortization	Unprotected Excess Accumulated Deferred Income Taxes
1	Protected Property	(28,666,115)	2.180%	(624,921)	
2	Unprotected Property	(73,443,711)	8.333%	(6,120,309)	(6,120,309)
3	Non Property	(300,213)	8.333%	(25,018)	(25,018)
4	NOL	4,496,466	2.180%	98,023	
5	Total	(97,913,573)	•	(6,672,225)	(6,145,327) [.:

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Northern Indiana Public Service Company Pro forma Adjustment to Operating Revenue Twelve Months Ending December 31, 2018

This pro forma adjustment increases the twelve months ending December 31, 2018 operating revenue to reflect the Settlement Adjustment to revenue.

Line		Attachment 3-C-S3			Page
No.	Description	Reference	Adjustment	Amount	Reference
	A	В	С	D	E
1	2018 Settlement Adjustment Revenue				
2	Settlement Adjustment Adjustment per the terms of the Settlement		Rev 11-S3-18R	4,012,115	
3	2018 Settlement Increase/(Decrease)	Sch. REV 4-S3	-	\$ 4,012,115	
4	2018 Settlement Adjustment Revenue	Sch. REV 4-S3	_	\$ 4,012,115	

Workpaper OM 2V-S3-18R Page [.1]

Northern Indiana Public Service Company Pro forma Adjustment to Operations and Maintenance Expense Twelve Months Ending December 31, 2018

This pro forma decreases the twelve months ended December 31, 2018 O&M expenses for budgeted increases in federally mandated compliance costs for transmission risk modeling, legacy cross bore inspection, MAOP distribution, MAOP transmission, and test station casing per the Settlement.

Line		Attachment 3-C-S3			Page
No.	Description	Reference	Adjustment	 Amount	Reference
	A	В	С	D	E
1	Budgeted expenses for the twelve months ending December 31, 2018			\$ 3,206,200	[.2]
2	Settlement adjustment to remove certain federally mandated compliance costs for the twelve months ending December 31, 2018	OM 2-S3 Matrix	OM 2V-S3-18R	\$ (3,206,200)	
3	Settlement expenses for the twelve months ending December 31, 2018			\$ -	

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Northern Indiana Public Service Company Additional Federally Mandated Compliance Costs Twelve Months Ending December 31, 2018 Workpaper OM 2V-S3-18R Page [.2]

Line No.	Description	Trans	OM 2D mission Risk Modeling	OM 2F gacy Cross e Inspection	OM 2H MAOP Distribution	Tra	OM 2I MAOP ansmission	Test	OM 2R t Station Casing	Additi I	al Budget for ional Federally Mandated pliance Costs
	Α		В	С	С		D		D		E
1	12/31/2016 Actuals	\$	-	\$ -	\$ -	\$	-	\$	-	\$	-
2	Increase/Decrease for Budget		300,000	368,000	-		-				668,000
3	12/31/2017 Budget	\$	300,000	\$ 368,000	\$ -	\$	-	\$	-	\$	668,000
4	Increase over 12/31/2017 Budget		-	438,200	500,000		1,250,000		350,000		2,538,200
5	12/31/2018 Budget	\$	300,000	\$ 806,200	\$ 500,000	\$	1,250,000	\$	350,000	\$	3,206,200

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Northern Indiana Public Service Company Pro forma Adjustment to Operations and Maintenance Expense Twelve Months Ending December 31, 2018

This pro forma adjustment decreases the twelve months ending December 31, 2018 operations and maintenance expense to reflect the O&M adjustment per the Settlement.

Line		Attachment 3-C-S3			Page
No.	Description	Reference	Adjustment	Amount	Reference
	A	В	С	D	E
1	2018 Ratemaking Operations and Maintenance Expense				
2	Settlement Adjustment Adjustment per the terms of the Settlement		OM 23-S3-18R	(5,942,203)	
3	2018 Settlement Increase/(Decrease)	Sch. OM 4-S3		\$ (5,942,203)	
4	2018 Ratemaking Operations and Maintenance Expense	Sch. OM 4-S3		\$ (5,942,203)	

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Northern Indiana Public Service Company Pro forma Adjustment to Depreciation and Amortization Expense Twelve Months Ending December 31, 2018

This pro forma adjustment increases the twelve months ending December 31, 2018 amortization expense to include the annual amortization of the Transmission, Distribution, and Storage System Improvement Charge (TDSIC) pro forma regulatory asset which is included in the proposed rate base as of December 31, 2018.

Line		Attachment 3-C-S3			Page
No.	Description	Reference	Adjustment	 Amount	Reference
	A	В	С	D	E
1	Gas TDSIC Non-Trackable Regulatory Asset Balance as of the Twelve Months Ended December 31, 2016			\$ 7,542,387	[.2]
2	2016 Adjustment to remove tax gross-up for amount in excess of 2% (TDSIC 4)			\$ (555,111)	[.3]
3	2017 TDSIC Deferrals			\$ 5,679,471	[.2]
4	2018 TDSIC Deferrals			\$ 8,505,703	[.5]
5	2018 Equity Tax Gross-up			\$ 4,062,796	[.4]
6	Increase (Decrease) in TDSIC Regulatory Asset (Lines 2 + 3 + 4 + 5)			\$ 17,692,859	
7	Gas TDSIC Regulatory Asset as of the Twelve Months Ending December 31, 2018 (Lines 1 + 6)			\$ 25,235,246	
8	TDSIC Regulatory Asset amortization period (in years)			 7	
9	Pro forma Increase for Gas TDSIC Amortization Expense for the Twelve Months Ending December 31, 2018 (Line 8 divided by Line 9)	Sch. AMTZ 3-S3	AMTZ 3-S3-18R	\$ 3,605,035	

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Northern Indiana Public Service Company TDSIC Regulatory Asset Actuals as of December 31, 2016, 2017

Account Number: 18235625	De	As of c. 31, 2016	D	As of ec. 31, 2017	2% Gross l Correcting E		2017 TDSIC Deferrals	;
TDSIC Non-Trackable Regulatory Asset	\$	7,542,387	\$	12,666,747	\$ (55	5,111) \$	5,679,471	1
		[.1]		[.5]		[.3]	[/	1]

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Page [.3]

Northern Indiana Public Service Company Rate Base - TDSIC Regulatory Asset Normalization as of December 31, 2016

Line	Description	As of	Dec. 31, 2016
1	Return on Capital - Equity	\$	380,205 [.6]
2	Post In-Service Carrying Costs - Equity		174,905 [.6]
	Pro-Forma Adjustment to Normalize the balance as of		
3	December 31, 2016	\$	555,111 [.1] [.2]

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Northern Indiana Public Service Company TDSIC Regulatory Asset Equity Tax Gross-up December 31, 2016, 2017 and 2018

Line		12/31/2016	12/31/2017	12/31/2018
No.	Description			
1	TDSIC Equity Reg Asset	\$ 2,915,192	\$ 6,350,510	\$ 11,070,470 [.5] A
2	Revenue Requirement Conversion Factor			1.367
3	TDSIC Equity Reg Asset Tax Gross-up			\$ 15,133,265 B
4				
5	Change			\$ 4,062,796 [.1] =B-A

Northern Indiana Public Service Company Rate Base - TDSIC Regulatory Asset Model Excerpt As of December 31, 2018 Workpaper AMTZ 3-S3-18R Page [.5]

ine No TDSIC Gas Non-Trackable	12/31/2017	1/31/2018	2/28/2018	3/31/2018	4/30/2018	5/31/2018	6/30/2018	7/31/2018	8/31/2018	9/30/2018	10/31/2018	11/30/2018	12/31/2018	Change for 12/31/201 12/31/20	17 to
Α	В	С	D	E	F	G	н	ı	J	К	L	М	N	O = N -	В
1 Reg Asset - Debt	\$ - \$	1,823,159 \$	1,936,808 \$	2,052,250 \$	2,170,512 \$	2,289,895 \$	2,416,187 \$	2,552,492 \$	2,689,941 \$	2,829,938 \$	2,972,195 \$	3,117,351 \$	3,279,435		
2 Reg Asset - Equity	-	6,860,158	7,202,212	7,550,667	7,908,107	8,272,007	8,636,234	9,019,701	9,406,919	9,801,669	10,203,093	10,613,217	11,070,470	[.4]	
3 Reg Asset - Expense		5,160,711	5,302,140	5,444,752	5,589,504	5,735,266	5,882,350	6,030,548	6,179,181	6,329,417	6,481,026	6,634,568	6,822,545		
4 Total 20% Reg Asset	\$12,666,747 \$	13,844,028 \$	14,441,161 \$	15,047,669 \$	15,668,122 \$	16,297,168 \$	16,934,772 \$	17,602,741 \$	18,276,042 \$	18,961,025 \$	19,656,314 \$	20,365,136 \$	21,172,450	\$ 8,505	5,703 [. 1]
	[.2]														

Northern Indiana Public Service Company DA - TDSIC Regulatory Asset Amount in Exceess of 2% Equity Tax Gross-up As of December 31, 2016 Workpaper AMTZ 3-S3-18R Page [.6]

NORTHERN INDIANA PUBLIC SERVICE CO.

Schedule of Total Revenue Requirement Adjustment to Semi-Annual Revenue Requirement Relating to Amounts in Excess of 2% Cap June - November 2016

	(A)		(B)		(C)		(D)		(E)
	Calculated 100% S	emi-Annual Re	evenue Requirement						
									Total
Line No.	Туре	Т	ransmission	[Distribution		Storage	(C	ol.B + Col.C + Col.D)
1 2	Return on Capital Post In-Service Carrying Costs	\$ \$	2,469,814 1,073,752	\$ \$	4,200,079 2,063,665	\$ \$	224,792 51,732	\$ \$	6,894,685 3,189,148
3	Subtotal Capital Revenue Requirement	\$	3,543,566	\$	6,263,744	\$	276,523	\$	10,083,833
4	Return of Expense Revenue Requirement	\$	195,320	\$	1,093,517	\$	3,870	\$	1,292,707
5	Subtotal Semi-Annual Revenue Requirement	\$	3,738,887	\$	7,357,261	\$	280,393	\$	11,376,540
	Pro-Rata Allocation Percentage for Amount in Exce	ess of 2% Cap	based on 100% Sen	ni-Annual Re	evenue Requiremer	nt			
6	Return on Capital (Line 1 / Line 5 Col. E)		21.71%		36.92%		1.98%		60.60%
7	Post In-Service Carrying Costs (Line 2 / Line 5 Col. E)		9.44%		18.14%		0.45%		28.03%
8	Return of Expense Revenue Requirement (Line 4 / Line 5 Col. E)		1.72%		9.61%		0.03%		11.36%
9	Semi-Annual Revenue Requirement Total Cap Adjustment Percentage		32.86%		64.67%		2.46%		100.00%
	Amount in E	Excess of 2% C	Cap Allocated						
10 11	Return on Capital (Line 6 * Line 13 Col. E) Post In-Service Carrying Costs (Line 7 * Line 13 Col. E)	\$ \$	417,790 181,634	\$ \$	710,479 349,086	\$ \$	38,025 8,751	\$ \$	1,166,294
12	Return of Expense Revenue Requirement (Line 8 * Line 13 Col. E)	\$	33,040	\$	184,978	\$	655	\$	539,471 218,672
13	Subtotal Semi-Annual Revenue Requirement Adjustment for Excess of 2% Cap	\$	632,464	\$	1,244,543	\$	47,431	\$	1,924,438
	Calculation of Adjuste	d Semi-Annua	l Revenue Requirem	nent					
14	Original 80% Recoverable Revenue Requirement - Capital	\$	2,834,853	\$	4,639,705	\$	221,218	\$	7,695,777
15 16	Original 80% Recoverable Revenue Requirement - Expense Original 80% Recoverable Revenue Requirement - Total	\$	156,256 2,991,109	\$	874,814 5,514,519	\$	3,096 224,314	\$	1,034,166 8,729,942
17	Adjusted Semi-Annual Revenue Requirement - Capital (Line 14 less Line 10 & Line 11)	\$	2,235,429	\$	3,580,140	\$	174,442	\$	5,990,011
18	Adjusted Semi-Annual Revenue Requirement - Expense (Line 15 less Line 12)	\$	123,216	\$	689,836	\$	2,441	\$	815,493
19	Adjusted Semi-Annual Revenue Requirement - Total (Line 17 plus Line 18)	\$	2,358,645	\$	4,269,976	\$	176,883	\$	6,805,505
	Calculated 100% Se	emi-Annual R	evenue Requirem	ent					
	Туре		ansmission		istribution		Storage		Total
100%	Return on Capital - Debt	\$	458,869	\$	780,337	\$	41,764	\$	1,280,971
100%	Return on Capital - Equity	<u>\$</u>	2,010,945 2,469,814	\$	3,419,742 4,200,079	\$	183,027 224,792	\$	5,613,714 6,894,685
		*		•		•			
100%	Post In-Service Carrying Costs - Debt	\$	202,226	\$	394,696	\$	9,761	\$	606,683
100%	Post In-Service Carrying Costs - Equity	<u>\$</u> \$	871,526 1,073,752	\$	1,668,969 2,063,665	\$	41,971 51.732	\$	2,582,465 3,189,148
4000/	2. (5. 2. 2	•		•		•		•	
100%	Return of Expense Revenue Requirement	\$	195,320	\$	1,093,517	\$	3,870	\$	1,292,707
100%	Subtotal Semi-Annual Revenue Requirement	\$	3,738,887	\$	7,357,261	\$	280,393	\$	11,376,540

Northern Indiana Public Service Company DA - TDSIC Regulatory Asset Amount in Exceess of 2% Equity Tax Gross-up As of December 31, 2016 Workpaper AMTZ 3-S3-18R Page [.6]

NORTHERN INDIANA PUBLIC SERVICE CO.

Schedule of Total Revenue Requirement Adjustment to Semi-Annual Revenue Requirement Relating to Amounts in Excess of 2% Cap June - November 2016

(A)	(B)	(C)	(D)	(E)	
Pro-Rata Allocation Percentage for Amo				(E)	
Туре	Transmission	Distribution	Storage	Total	
Return on Capital - Debt	4.03%	6.86%	0.37%	11.26%	
Return on Capital - Equity	17.68%	30.06%	1.61%	49.34%	
Neturn on Capital - Equity	21.71%	36.92%	1.98%	60.60%	
Post In-Service Carrying Costs - Debt	1.78%	3.47%	0.09%	5.33%	
Post In-Service Carrying Costs - Equity	7.66%	14.67%	0.37%	22.70%	
	9.44%	18.14%	0.45%	28.03%	
Return of Expense Revenue Requirement	1.72%	9.61%	0.03%	11.36%	
Subtotal Semi-Annual Revenue Requirement	32.86%	64.67%	2.46%	100.00%	
Amount in F	Excess of 2% Cap Allocated with Tax Ad	ljustment			
Туре	Transmission	Distribution	Storage	Total	
Return on Capital - Debt	\$ 77,622	\$ 132,001	\$ 7,065	\$ 216,687	
Return on Capital - Equity	\$ 340,168	\$ 578,478	\$ 30,961	\$ 949,607 A	
	\$ 417,790	\$ 710,479	\$ 38,025	\$ 1,166,294	
Post In-Service Carrying Costs - Debt	\$ 34,208	\$ 66,766	\$ 1,651	\$ 102,626	
Post In-Service Carrying Costs - Equity	\$ 147,426	\$ 282,320		\$ 436,846 B	
- cot in cot vice can jung costs Equity	\$ 181,634	\$ 349,086	\$ 7,100 \$ 8,751	\$ 539,471	
Return of Expense Revenue Requirement	\$ 33,040	\$ 184,978	\$ 655	\$ 218,672	
Subtotal Semi-Annual Revenue Requirement	\$ 632,464	\$ 1,244,543	\$ 47,431	\$ 1,924,438	
	Tax Adjustments				
Туре	Transmission	Distribution	Storage		
Revenue Conversion Factor - Debt	1.016272	1.016272	1.016272		
Revenue Conversion Factor - Equity	1.667728	1.667728	1.667728		
PUF & URT Rate	1.01515971	1.01515971	1.01515971		
Amount in Ex	cess of 2% Cap Allocated without Tax	Adjustment			
Туре	Transmission	Distribution	Storage	Total	Equity
Return on Capital - Debt	\$ 76,379	\$ 129,887	\$ 6,952	\$ 213,217	Tax Adjustme
Return on Capital - Equity	\$ 203,971	\$ 346,866	\$ 18,565	\$ 569,402 C	A - C = \$ 380,
	\$ 280,350	\$ 476,753	\$ 25,516	\$ 782,619	\$ 380,
	\$ 33,661	\$ 65,697	\$ 1,625	\$ 100,982	
Post In-Service Carrying Costs - Debt					B - D = \$ 174,
Post In-Service Carrying Costs - Debt Post In-Service Carrying Costs - Equity	\$ 88,399	\$ 169,284	\$ 4,257	3 Z01,941 D	
	\$ 88,399 \$ 122,060	\$ 169,284 \$ 234,981	\$ 4,257 \$ 5,882	\$ 261,941 D \$ 362,923	\$ 174,
			\$ 4,257 \$ 5,882 \$ 645		

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Northern Indiana Public Service Company Pro forma Adjustment to Depreciation and Amortization Expense Twelve Months Ending December 31, 2018

This pro forma adjustment increases the twelve months ending December 31, 2018 amortization expense for current gas rate case costs amortized over a four year period.

Line		Attachment 3-C-S3			Page
No.	Description	Reference	Adjustment	 Amount	Reference
	Α	В	С	D	E
1	Pro forma 2018 gas rate case expenses			\$ 1,160,000	[.2]
2	Gas rate case expenses pro forma amortization period (years)			 7	[.2]
3	Increase in Pro forma Twelve Months Ending December 31, 2018 Depreciation and Amortization Expense	Sch. AMTZ 4-S3	AMTZ 4-S3-18R	\$ 165,714	[.2]

Northern Indiana Public Service Company Gas Rate Case Expense

Workpaper AMTZ 4-S3-18R Page [.2]

Vendor
Concentric - RCNLD Study
Black & Veatch - COS Study
Gannett Fleming LLC - Depreciation Study
Ice Miller - Legal Counsel
ScottMadden
Adecco - Temporary Employees
Pricewaterhouse Coopers
Customer Notification - Print & Postage
Billing System New Rate Implementation (4,523 hrs)
Witness Travel
Employee Travel (ERS)
TOTAL PRO FORMA RATE CASE EXPENSES

Gá	as Rate Cas Estimate	e	
	\$	62,500	
		115,500	
		42,500	
		260,000	
		45,000	
		97,806	
		70,000	
		10,000	
		420,000	
		17,270	[.
		19,424	[.
Total	\$	1,160,000	Į.
Years		7	Į.
Amortization	\$	165,714	Į.

Workpaper AMTZ 4-S3-18R Page [.3]

Northern Indiana Public Service Company Individuals Testifying Meals / Lodging / Mileage expense Twelve Month Ending December 31, 2017 and December 31, 2018

Individuals Testifying	Days of Travel	 eals 0/day)	otel (0/day)	 al Meals d Hotel	Mileage	IRS Rate	otal leage	Meal	otal s, Hotel, Mileage
Weather Norm Witness	6	\$ 100	\$ 150	\$ 1,500	284	\$0.535	\$ 152	\$	1,652
Financial Witness	9	\$ 100	\$ 150	\$ 2,250	284	\$0.535	\$ 152		2,402
Tax Witness	6	\$ 100	\$ 150	\$ 1,500	284	\$0.535	\$ 152		1,652
Benefits Witness	6	\$ 100	\$ 150	\$ 1,500	284	\$0.535	\$ 152		1,652
Policy Witness	6	\$ 100	\$ 150	\$ 1,500	284	\$0.535	\$ 152		1,652
Operations Witness	6	\$ 100	\$ 150	\$ 1,500	284	\$0.535	\$ 152		1,652
Co. Overview Witness	6	\$ 100	\$ 150	\$ 1,500	284	\$0.535	\$ 152		1,652
NCS Witness	6	\$ 100	\$ 150	\$ 1,500	284	\$0.535	\$ 152		1,652
Tariff Witness	6	\$ 100	\$ 150	\$ 1,500	284	\$0.535	\$ 152		1,652
LT Debt Witness	6	\$ 100	\$ 150	\$ 1,500	284	\$0.535	\$ 152		1,652

\$ 17,270 [.2]

Workpaper AMTZ 4-S3-18R Page [.4]

Northern Indiana Public Service Company Employees Mileage expense Twelve Month Ending December 31, 2017 and December 31, 2018

	Days of Travel	Mileage	IRS Rate	otal leage	Mea	Total Ils, Hotel, I Mileage
Staff Person 1	26	284	\$0.535	\$ 152	\$	3,952
Staff Person 2	18	284	\$0.535	\$ 152		2,736
Staff Person 3	18	284	\$0.535	\$ 152		2,736
Additional Support Staff (as	needed)					10,000
					\$	19,424 [.2]

Workpaper OTX 5-S3 Page [.1]

Northern Indiana Public Service Company Pro forma Adjustment to Taxes Other Than Income Twelve Months Ending December 31, 2018

This pro forma adjustment normalizes the twelve months ended December 31, 2016 taxes other than income expense, and reflects budgeted and ratemaking Utility Gross Receipts Tax for the twelve months ending December 31, 2017 and December 31, 2018.

Line		Attachment 3-C-S3			Page
No.	Description	Reference	Adjustment	 Amount	Reference
	A	В	С	D	E
1	2016 Utility Receipts Tax	Sch. OTX 5-S3		\$ 7,167,386	[.2]
2	Normalization Adjustment				
3	2015 Utility Receipts Tax Adjustment	Sch. OTX 5-S3	OTX-5-S3-16	430,232	[.2]
4	Total Normalization Adjustments	Sch. OTX 5-S3		\$ 430,232	
5	2016 Normalized Utility Receipts Tax	Sch. OTX 5-S3		\$ 7,597,618	
6	2017 Forecasted Utility Receipts Tax				
7	Increase/(Decrease) in Historical Base Period 2016 to Forward 2017 Period	Sch. OTX 5-S3	OTX-5-S3-17	\$ 1,413,849	
8	Utility Receipts Tax - Forecasted Jan-Dec 2017	Sch. OTX 5-S3		\$ 9,011,467	[.3]
9	2018 Forecasted Utility Receipts Tax				
10	Increase/(Decrease) in Forward 2017 Period to Forward 2018 Test Year	Sch. OTX 5-S3	OTX-5-S3-18	 (15,378)	
11	Utility Receipts Tax - Forecasted Jan-Dec 2018	Sch. OTX 5-S3		\$ 8,996,089	[.3]
12	2018 Ratemaking Utility Receipts Tax				
13	Ratemaking Adjustments				
14	Reduction of Utility Receipts Tax	Sch. OTX 5-S3	OTX-5-S3-18R	(484,723)	[.3]
15	2018 Ratemaking Increase/(Decrease)	Sch. OTX 5-S3		\$ (484,723)	
16	2018 Ratemaking Utility Receipts Tax	Sch. OTX 5-S3		\$ 8,511,366	[.3] [.5]

Petitioner's Exhibit No. 17-S3 Cause No. 44988 Page 17 of 28

Northern Indiana Public Service Company - Benefit Detail Twelve Months Ended December 31, 2016 Account 40813400 - Tax Exp-Gross Receipts Workpaper OTX 5-S3 Page [.2]

Line		_						2016							Twelve Months Ended
No.	Segment	t Cost Element	January	February	March	April	May	June	July	August	September	October	November	December	December 31, 2016
1	G	9601 - Gross Receipts Tax ¹	\$ -	\$ -	- \$	- \$	- \$	- \$	- \$	- \$	- \$	(430,232) \$	-	\$ -	\$ (430,232) [.1],
2	G	9601 - Gross Receipts Tax	114,201	1,101,182	820,305	605,393	393,104	305,387	375,482	338,527	344,205	425,747	627,270	1,146,815	7,313,857
3		Grand Total	\$ 1,114,201	\$ 1,101,182	820,305 \$	605,393 \$	393,104 \$	305,387 \$	375,482 \$	338,527 \$	344,205 \$	(4,485) \$	627,270	\$ 1,146,815	\$ 7,167,386 [.1] [.3]

Footnote 1: Utility Receipts Tax - Return Entry for Tax Year Ended 12/31/2015

Petitioner's Exhibit No. 17-S3 Cause No. 44988 Page 18 of 28

Northern Indiana Public Service Company Budget

Taxes Other Than Income: URT Tax December 31, 2016, 2017 and 2018 Workpaper OTX 5-S3 Page [.3]

Line No.	Symbol	Segment	Description	1	2/31/2016		12/31/2017		:	12/31/2018	
	Α	В	С		D		E			F	
1	PROPTAX	NIPSCO	Property Tax	\$	7,167,386 [.2]	\$	9,011,467	A [.1]	\$	8,996,089	B [.1]
	.						0047				
_	Description			_		_	2017			2018	
2	Eligible Operatir	ng Revenues				\$	648,886,258	[.4]	\$	- , ,	
3	URT Expense						1.400%			1.400%	_
4	URT Expense					\$	9,084,408		\$	9,068,796	
5	Per Budget						9,011,467	Α		8,996,089	B,C
6	Variance					\$	(72,941)		\$	(72,707)	=
							Gas Utility Re	eceipts Tax	\$	8,511,366	[.5] [.1]
							F	Per Budget		8,996,089	С
								Variance	\$	(484,723)	[.1]

Workpaper OTX 5-S3 Page [.4]

Northern Indiana Public Service Company Calculation of URT Tax December 31, 2016, 2017 and 2018

11 RGURT/ 12 REVBDI 13 REVUR' 14 15 16 17 RGASRI 18 RGASRI 19 RGASRI 20 RGASRI 21 RGASCI 22 RGASR 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 30 RGASCI 31 RGASIN 33 RGASIP 35 RGASIN 34 RGASIP 35 RGASIC 36 RGASCI 37 RGASIN 38 RGASIP 36 RGASIC 37 RGASIN 38 RGASIP 35 RGASIC 36 RGASIC 37 RGASIN 38 RGASIP 36 RGASIC 37 RGASIN 38 RGASIP 35 RGASIC 36 RGASIC 37 RGASIN 38 RGASIP 35 RGASIC 36 RGASIC 37 RGASIN 38 RGASIP 40 MGASPI 41 MGASPI 42 RGASCI 45 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 49 RGASIN 50 FG RGASIN 50 RGASIN 50 RGASIN 50 RGASIN 51 RGASIN 50 RGASIN 51 RGASIN 52 RGASIN 53 RGASIN 54 RGASIN 55 RGASIN 56 RGASCI 57 RGASIN 58 RGASIN 59 MPRILI 56 RGASCI 57 RGASIN 56 RGASCI 57 RGASIN 56 RGASCI 57 RGASIN 57 RGASIN 58 RGASIN 59 MPRILI 50 RGASCI 51 RGASCI 52 RGASCI 53 RGASCI 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASIN 56 RGASCI 57 RGASIN 56 RGASCI 57 RGASIN 58 RGASIN 59 MPRILI 58 RGASIN 59 MFRILI 58 RGASIN 59 MGASCI 66 MGASCI 67 MSPLAC 68 MGASCI 68 MSPLAC 68 MSPLAC 68 MSPLAC 68 MSPLAC 68 MSPLAC 68 MSPLAC	Symbol A	Description B		Actual 2016 C		Budget 2017		Budget 2018
2 RGASCI 3 RGASIN 4 RGASCI 5 RGASIN 6 REVBDI 7 REVUR* 8 RGASCI 9 REVBDI 10 REVUR* 11 RGURT, 12 REVBDI 13 REVUR* 14 15 16 17 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 22 RGASRI 21 RGASRI 22 RGASRI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASRI 31 RGASIN 32 RGASIN 33 RGASIP 34 RGASIN 34 RGASIN 35 RGASIC 36 RGASCI 37 RGASIN 38 RGASIN 39 RGASIN 30 RGASIN 31 RGASIN 32 RGASIN 33 RGASIP 34 RGASIN 35 RGASIC 36 RGASIC 36 RGASIC 37 RGASIN 38 RGASIN 39 RGASIN 39 RGASIN 39 RGASIN 30 RGASIN 31 RGASIN 32 RGASIN 33 RGASIP 34 RGASIN 35 RGASIC 36 RGASIC 37 RGASIN 38 RGASIN 39 RGASIN 40 MGASPI 41 MGASPI 42 RGASIN 45 RGASIN 46 RGASIC 47 RGASIN 48 RGASIN 49 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 41 RGASIN 42 RGASIN 43 RGASIN 44 RGASIN 45 RGASIN 46 RGASIC 47 RGASIN 48 RGASIN 49 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 41 RGASIN 42 RGASIN 43 RGASIN 44 RGASIN 45 RGASIN 46 RGASIC 47 RGASIN 48 RGASIN 49 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 41 RGASIN 42 RGASIN 43 RGASIN 44 RGASIN 45 RGASIN 46 RGASIN 47 RGASIN 48 RGASIN 49 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 41 RGASIN 42 RGASIN 43 RGASIN 44 RGASIN 45 RGASIN 46 RGASIN 47 RGASIN 48 RGASIN 49 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 41 RGASIN 42 RGASIN 43 RGASIN 44 RGASIN 45 RGASIN 46 RGASIN 47 RGASIN 48 RGASIN 48 RGASIN 49 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 41 RGASIN 42 RGASIN 43 RGASIN 44 RGASIN 45 RGASIN 46 RGASIN 47 RGASIN 48 RGASIN 49 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 40 RGASIN 41 RGASIN 42 RGASIN 43 RGASIN 44 RGASIN 45 RGASIN 46 RGASIN 46 RGASIN 47 RGASIN 48 RGASIN 49 RGASIN 40 RG		Gas Residential Revenue - Tariff	\$	330,754,770	\$	D 357,509,462	\$	E 355,196,875
3 RGASIN 4 RGASCI 5 RGASIN 6 REVBDI 7 REVUR* 8 RGASCI 9 REVBDI 10 REVUR* 11 RGURT, 12 REVBDI 13 REVUR* 14 15 16 RGASRI 19 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 22 RGASRI 23 RGASRI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIN 36 RGASIN 37 RGASIN 38 RGASIN 38 RGASIN 38 RGASIN 39 MGASPI 41 MGASPI 42 43 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 50 FGASIN 50 RGASIN 51 RGASIN 52 RGINTD 53 RGASIN 54 RGASIN 55 RGASIN 56 RGASCI 57 RGASIN 58 RGASIN 59 MPRILI 50 RGASCI 57 RGASIN 58 RGASIN 59 MPRILI 50 RGASCI 51 RGASIN 50 RGASIN 50 RGASIN 51 RGASIN 52 RGINTD 53 RGASIN 54 RGASIN 55 RGASIN 56 RGASCI 57 RGASIN 58 RGASIN 59 MPRILI 50 RGASCI 57 RGASIN 58 RGASIN 59 MPRILI 58 RGASIN 59 MPRILI 59 RGASCI 50 RGASCI 51 RGASCI 51 RGASCI 52 RGASCI 53 RGASIN 54 RGASIN 55 RGASIN 56 RGASCI 57 RGASIN 58 RGASIN 59 MPRILI 50 RGASCI 51 RGASCI 52 RGASCI 53 RGASCI 54 RGASCI 55 RGASCI 66 RGASCI 67 MSPLAC 68 MGASCI		Gas Commercial Revenue - Tariff	Ψ	113,378,336.79	•	121,584,175.72	•	119,969,186.15
4 RGASCI 5 RGASIN 6 REVBDI 7 REVUR' 8 RGASCI 9 REVBDI 10 REVUR' 11 RGURT. 11 RGURT. 11 RGASRI 15 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 21 RGASRI 22 RGASCI 23 RGASRI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASRI 31 RGASIN 32 RGASIN 32 RGASIN 34 RGASIN 35 RGASIN 36 RGASCI 37 RGASIN 38 RGASIN 39 RGASIN 36 RGASCI 37 RGASIN 38 RGASIN 39 RGASIN 31 RGASIN 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIN 36 RGASCI 37 RGASIN 38 RGASIN 38 RGASIN 39 RGASIN 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIN 36 RGASCI 37 RGASIN 38 RGASIN 39 RGASIN 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASCI 36 RGASCI 37 RGASIN 38 RGASIN 39 RGASIN 40 MGASPI 41 MGASPI 42 RGASCI 43 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 49 RGASIN 50 MFRILI 51 RGASCI 52 RGINTD 53 RGASIN 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASIN 59 MFRILI 50 MGASCI 51 DISPRE 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLAC 67 MSPLAC 68 MSPLAC 68 MSPLAC 68 MSPLAC 69 MGASCI 69 MGASCI 60 MSPLAC 60 MGASCI 60 MSPLAC 60 MGASCI 60 MSPLAC 61 MGASCI 61 MGASCI 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLAC 66 MSPLAC 67 MSPLAC 68 MSPLAC 69 MGASCI 69 MGASCI 69 MGASCI 60 MSPLAC 60 MGASCI 60 MGASCI 60 MGASCI 60 MGASCI 60 MGASCI 60 MSPLAC 60 MGASCI 60		Gas Small Industrial Revenue - Tariff		23,341,678.68		26,674,600.41		25,954,395.00
5 RGASIN 6 REVBDI 7 REVUR' 8 RGASCI 9 REVBDI 10 REVUR' 11 RGURT, 12 REVBDI 13 REVUR' 14 15 16 17 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 22 RGASRI 23 RGASRI 24 RGASCI 25 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 27 RGASCI 28 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 34 RGASIN 35 RGASIN 36 RGASIC 36 RGASCI 37 RGASIN 38 RGASIN 38 RGASIN 39 RGASIN 30 RGASCI 31 RGASIN 32 RGASIN 34 RGASIN 35 RGASIN 36 RGASIC 36 RGASCI 37 RGASIN 38 RGASIN 39 RGASIN 39 RGASIN 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIN 36 RGASIC 36 RGASCI 37 RGASIN 38 RGASIN 38 RGASIN 39 RGASIN 40 MGASPI 41 MGASPI 42 RGASCI 43 RGASCI 46 RGASCI 47 RGASIN 50 MGASIN 50 RGASIN 50 MGASCI 61 DISPRIE 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MGASCI 66 MGASCI 67 MSPLACI 68 MSPLACI 69 MGASCI 68 MSPLACI 69 MSPLACI 69 MGASCI 60 MGASCI 60 MGASCI 61 MGASCI 61 MGASCI 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLACI 66 MSPLACI 67 MSPLACI 68 MSPLACI 69 MGASCI 69 MGASCI 69 MGASCI 69 MGASCI 60		GAS COMMERCIAL REVENUE-INTERRUPTIBLE SALES		3,338,425.89		223,018.51		223,970.82
6 REVBDI 7 REVUR: 8 RGASCI 9 REVUR: 11 RGURT. 12 REVBDI 13 REVUR: 14 15 16 17 RGASRI 19 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 22 RGASRI 23 RGASRI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASICI 44 RGASIN 48 RGASIN 49 RGASCI 47 RGASIN 48 RGASCI 47 RGASIN 48 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 50 51 52 RGINTD 53 54 MGCIM 48 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASCI 58 RGASCI 69 MGASRI 59 MRCIM 50 60 ROFFS 61 DISPRE 62 MGASRI 63 MGASRI 64 MGASRI 65 MGASRI 66 MSPLAC 66 MSPLAC 67 MSPLAC 68 MSPLAC 68 MSPLAC 68 MSPLAC 68 MSPLAC 69 MGASCI 69 MSPLAC 60 MGASCI 60 MGASCI 60 MGASCI 61 MGASCI 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MGASCI 67 MSPLAC 68 MSPLAC 68 MSPLAC 68 MSPLAC 68 MSPLAC 69 MSPLAC 69 MGASCI 69 MSPLAC 60 MGASCI 60 MSPLAC 60 MSPLAC 61 MSPLAC 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLAC 67 MSPLAC 68 MSPLAC 68 MSPLAC 69		Gas Small Industrial Revenue - Interruptible Sales		660,662.44		153,332.29		153,332.29
7 REVUR' 8 RGASCI 9 REVBDI 10 REVUR' 11 RGURT, 12 REVBDI 13 REVUR' 14 15 16 17 RGASRI 18 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 22 RGASRI 22 RGASRI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASRI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIN 36 RGASCI 37 RGASIN 38 39 MGASPI 44 RGASCI 47 RGASIN 48 RGASIN 49 RGASCI 47 RGASIN 48 RGASIN 50 RGASCI 51 RGASCI 51 RGASCI 52 RGASCI 53 RGASIN 54 RGASCI 55 RGASCI 56 RGASCI 57 RGASIN 58 RGASIN 59 RGASIN 50 RGASIN 50 RGASCI 51 RGASCI 52 RGINTD 53 RGASIN 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASCI 58 RGASCI 59 RGASCI 50 RGASCI 50 RGASCI 50 RGASCI 51 RGASCI 52 RGINTD 53 RGASCI 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASCI 58 RGASCI 59 RGASCI 50 RGASCI 50 RGASCI 51 RGASCI 52 RGASCI 53 RGASCI 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASCI 58 RGASCI 59 RGASCI 50 RGASCI 50 RGASCI 50 RGASCI 51 RGASCI 52 RGASCI 53 RGASCI 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASCI 58 RGASCI 59 RGASCI 50 RGASCI 50 RGASCI 50 RGASCI 51 RGASCI 52 RGASCI 53 RGASCI 54 RGASCI 55 RGASCI 56 RGASCI 57 RGASCI 58 RGASCI 59 RGASCI 50 RGASCI 60 RGASCI 61 RGASCI 62 RGASCI 63 RGASCI 64 RGASCI 65 RGASCI 66 RGASCI 67 RGASCI 68 RGASCI 69 RGASCI 69 RGASCI 60 RGASCI 60 RGASCI 61 RGASCI 61 RGASCI 62 RGASCI 63 RGASCI 64 RGASCI 65 RGASCI 66 RGASCI 66 RGASCI 67 RGASCI 68 RGASCI 69 RGASCI 60 RGASCI 60 RGASCI 61 RGASCI 61 RGASCI 62 RGASCI 63 RGASCI 64 RGASCI 65 RGASCI 66 RGASCI 67 RGASCI 67 RGASCI 67 RGASCI 67 RGASCI 68 RGASCI 69 RGASCI 60 RGASCI 60 RGASCI 61 RGASCI 6		·		1,230,393.26				1,412,050.58
8 RGASCI 9 REVBDI 10 REVUR' 11 RGURT. 11 RGURT. 11 RGURT. 11 RGASRI 15 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 22 RGASCI 23 RGASCI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 32 RGASIN 34 RGASIN 35 RGASICI 36 RGASCI 37 RGASIN 38 RGASIN 36 RGASICI 37 RGASIN 38 RGASIN 39 RGASIN 36 RGASCI 37 RGASIN 38 RGASIN 39 RGASIN 30 RGASCI 31 RGASIN 35 RGASIN 36 RGASICI 37 RGASIN 38 RGASIN 39 RGASIN 39 RGASIN 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIN 36 RGASCI 37 RGASIN 38 RGASIN 39 RGASIN 40 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 49 RGASIN 50 MGASCI 51 RGASCI 52 RGINTD 53 RGASIN 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASIN 59 MRRKLI 50 RGASCI 56 RGASCI 57 RGASIN 59 MRRKLI 50 RGASCI 57 RGASIN 50 MGASCI 61 DISPRE 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLAC		Bad Debt Recovery Mechanism Residential				1,429,696.04		
9 REVBDO 10 REVUR' 11 RGURT 11 RGURT 12 REVBDI 13 REVUR' 14 15 16 17 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 22 RGASRI 23 RGASRI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 27 RGASCI 28 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 34 RGASIN 34 RGASIN 35 RGASIN 36 RGASIC 36 RGASCI 37 RGASIN 38 RGASIN 38 RGASIN 39 RGASIN 30 RGASCI 31 RGASIN 32 RGASIN 34 RGASIN 35 RGASIN 36 RGASIC 37 RGASIN 38 RGASIN 38 RGASIN 39 RGASIN 50 RGASCI 51 RGASCI 52 RGINTD 53 RGASCI 64 RGASCI 65 RGASCI 66 RGASCI 67 RGASIN 68 RGASIN 69 MFRKLI 60 ROFFSI 61 DISPRE 62 MGASR 63 MGASFI 64 MGASCI 66 MSPLAC 66 MSPLAC 67 MSPLAC 68 MSPLAC 68 MSPLAC 69 MGASCI 69 MRASCI 60 MSPLAC 60 MGASCI 61 MGASCI 61 MGASCI 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLAC 67 MSPLAC 68 MSPLAC 68 MSPLAC 69 MGASCI 69 MGASCI 69 MSPLAC 69 MGASCI 60 MSPLAC 60 MSPLAC 61 MGASCI 61 MGASCI 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLAC 66 MSPLAC 67 MSPLAC 68 MSPLAC 68 MSPLAC 69 MGASCI 69 MGASCI 69 MGASCI 60 MGASCI 60 MSPLAC 60 MGASCI 60 MSPLAC 60 MGASCI 60 MSPLAC 60 MGASCI 60 MGASCI 60 MGASCI 60 MGASCI 60 MSPLAC 60 MGASCI 60 MGASCI 60 MGASCI 60 MSPLAC 60 MGASCI 6		URT Recovery Mechanism Residential		2,496,742.55		3,317,958.72		3,291,685.64
10 REVUR' 11 RGURT. 12 REVBDI 13 REVUR' 14 15 16 17 RGASRI 19 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 22 RGASRI 23 RGASRI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIC 36 RGASCI 47 RGASCI 48 RGASCI 49 RGASCI 50 RGASCI 51 RGASCI 51 RGASCI 52 RGASCI 53 RGASIN 54 RGASCI 55 RGASCI 56 RGASCI 57 RGASCI 58 RGASCI 59 RGASCI 50 RGASCI 50 RGASCI 51 RGASCI 51 RGASCI 52 RGINTD 53 RGASIN 55 RGASCI 56 RGASCI 57 RGASCI 57 RGASCI 58 RGASCI 59 RGASCI 50 RGASCI 50 RGASCI 51 RGASCI 52 RGINTD 53 RGASCI 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASCI 57 RGASCI 58 RGASCI 59 RGASCI 50 RGASCI 50 RGASCI 51 RGASCI 52 RGINTD 53 RGASCI 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASCI 58 RGASCI 59 MFRILLI 50 RGASCI 50 MGASCI 61 DISPRE 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLAC		•				1,088,691.00		1,088,691.00
111 RGURT, 112 REVBDI 113 REVUR 114 115 116 117 RGASRI 118 RGASRI 119 RGASRI 119 RGASRI 119 RGASRI 119 RGASRI 1100 RGASRI 1100 RGASRI 1110		Bad Debt Recovery Mechanism Commercial		462,615.95		547,283.88		539,728.67
12 REVBDI 13 REVUR' 14 15 16 17 RGASRI 18 RGASRI 20 RGASRI 21 RGASRI 21 RGASRI 22 RGASCI 23 RGASCI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 32 RGASIN 34 RGASIN 35 RGASIN 36 RGASCI 37 RGASIN 38 RGASIN 38 RGASIN 39 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 35 RGASIN 36 RGASIN 37 RGASIN 38 RGASIN 38 RGASIN 39 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 35 RGASIN 36 RGASCI 37 RGASIN 38 RGASIN 39 RGASCI 40 MGASPI 41 MGASPI 42 RGASCI 43 RGASIN 49 RGASIN 40 RGASCI 47 RGASIN 48 RGASIN 49 RGASIN 40 RGASCI 41 RGASCI 45 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 49 RGASIN 49 RGASIN 40 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 49 RGASCI 40 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 49 RGASCI 40 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 49 RGASCI 40 RGASCI 40 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 46 RGASCI 47 RGASCI 48 RGASCI 49 RGASCI 40 RGASCI 40 RGASCI 40 RGASCI 41 RGASCI 41 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASCI 46 RGASCI 47 RGASCI 48 RGASCI 48 RGASCI 49 RGASCI 40 RGASCI 40 RGASCI 41 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASCI 48 RGASCI 48 RGASCI 49 RGASCI 40 RGASCI 40 RGASCI 40 RGASCI 40 RGASCI 41 RGAS	EVURTCOM	URT Recovery Mechanism Commercial		1,011,129.55		1,316,105.99		1,303,072.57
13 REVUR* 14 15 16 17 RGASRI 18 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 21 RGASRI 22 RGASRI 22 RGASCI 23 RGASCI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 30 RGASCI 31 RGASII 32 RGASII 33 RGASII 34 RGASII 34 RGASII 35 RGASIC 36 RGASCI 37 RGASCI 38 RGASCI 36 RGASCI 37 RGASII 38 RGASII 39 RGASII 31 RGASII 32 RGASII 33 RGASII 34 RGASII 35 RGASII 36 RGASIC 37 RGASII 37 RGASII 38 RGASIC 38 RGASCI 39 RGASCI 30 RGASCI 31 RGASII 32 RGASII 33 RGASII 34 RGASII 35 RGASII 36 RGASCI 37 RGASII 38 RGASII 39 RGASII 40 MGASPI 41 MGASPI 42 RGASCI 43 RGASCI 46 RGASCI 47 RGASII 48 RGASCI 49 RGASCI 40 RGASCI 40 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASII 48 RGASCI 49 RGASCI 40 RGASCI 40 RGASCI 41 MGCIM 42 RGASCI 43 MGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASII 48 RGASCI 49 RGASCI 40 RGASCI 40 RGASCI 41 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASII 48 RGASCI 49 RGASCI 40 RGASCI 40 RGASCI 41 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASCI 46 RGASCI 47 RGASCI 48 RGASCI 49 RGASCI 40 RGASCI 40 RGASCI 40 RGASCI 41 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 46 RGASCI 47 RGASCI 48 RGASCI 49 RGASCI 40 RGASCI 40 RGASCI 41 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASCI 48 RGASCI 49 RGASCI 40 RGASCI 40 RGASCI 40 RGASCI 40 RGASCI 41 RGASCI 41 RGASCI 41 RGASCI 41 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASCI 46 RGASCI 47 RGASCI 48 RGASCI 49 RGASCI 40 RGASCI 40 RGASCI 40 RGASCI 40 RGASCI 41 RGASC	GURTADJI	Gas Small Industrial Revenue Adjustment		-		750,000.00		-
14 15 16 17 RGASRI 18 RGASRI 19 RGASRI 20 RGASRI 21 RGASCI 22 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIC 36 RGASCI 37 RGASIN 38 39 40 MGASPI 41 MGASPI 42 43 44 RGASIN 48 RGASIN 50 51 52 RGINTD 53 KGASIN 55 RGASCI 66 RGASCI 67 MGCIM 58 RGASIN 59 MRCIM 50 61 DISPRE 62 MGASRI 63 MGASRI 64 MGASRI 65 MGASCI 66 MGASCI 67 MSPLAC 68 MSPLAC 68 MSPLAC 68 MSPLAC 68 MSPLAC 68 MSPLAC 68 MGASCI 66 MGASCI 67 MSPLAC 68 MGASCI 66 MGASCI 67 MSPLAC 68 MGASCI 68 MGASCI 69 MGASCI 69 MGASCI 60 MGASC	EVBDIND	Bad Debt Recovery Mechanism Industrial		114,131.00		156,438.04		152,271.56
15 16 17 RGASRI 18 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 22 RGASRI 22 RGASCI 23 RGASCI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASICI 36 RGASCI 37 RGASIN 48 RGASICI 49 RGASCI 40 MGASPI 41 MGASPI 42 43 44 RGASRI 45 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 50 51 52 RGINTD 53 MGCIM 55 RGASRI 56 RGASCI 57 RGASIN 59 MRCALI 56 RGASCI 57 RGASIN 59 MRCASIN 50 MGASPI 56 RGASCI 57 RGASIN 58 RGASIN 59 MRCASIN 50 MGCIM 50 RGASCI 51 RGASCI 52 RGINTD 53 MGCIM 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASIN 59 MRCASCI 56 RGASCI 57 RGASIN 59 MRCASCI 58 RGASCI 59 MRCASCI 59 MRCASCI 50 MGASPI 60 MGASCI 61 DISPRE 62 MGASCI 63 MGASCI 64 MGASCI 66 MGASCI 66 MGASCI 67 MSPLACI 68 MSPLACI 68 MSPLACI 68 MSPLACI 68 MSPLACI 68 MGASCI 69 MSPLACI 69 MGASCI 69 MSPLACI 60 MGASCI 60 MGASCI 60 MGASCI 61 MGASCI 61 MGASCI 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLACI 66 MSPLACI 67 MSPLACI 68 MSPLACI 68 MSPLACI 69 MGASCI 69 MGASCI 69 MGASCI 60 MGASCI 60 MGASCI 60 MGASCI 60 MGASCI 61 MGASCI 61 MGASCI 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLACI 66 MGASCI 67 MSPLACI 68 MGASCI 69 MGASCI	EVURTIND	URT Recovery Mechanism Industrial		248,056.94		368,455.88		360,084.45
16 17 RGASRI 18 RGASRI 20 RGASRI 21 RGASRI 21 RGASRI 22 RGASCI 22 RGASCI 23 RGASCI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 32 RGASIN 34 RGASIN 35 RGASIN 36 RGASICI 36 RGASCI 37 RGASIN 38 RGASIN 38 RGASIN 39 RGASCI 40 MGASPI 41 MGASPI 42 RGASCI 43 RGASIN 49 RGASIN 50 RGASCI 51 RGASCI 51 RGASCI 52 RGINTD 53 RGASIN 59 MRCIM 55 RGASRI 56 RGASCI 57 RGASIN 59 MGASCI 58 RGASIN 59 MRCIM 50 RGASCI 51 RGASCI 52 RGINTD 53 RGASIN 59 MGASCI 50 RGASCI 51 RGASCI 52 RGINTD 53 RGASIN 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASIN 59 MRCIM 56 RGASCI 57 RGASIN 59 MRCIM 50 RGASCI 50 MGASCI 51 DISPRE 62 MGASCI 63 MGASCI 64 MGASCI 66 MGASCI 66 MGASCI 67 MSPLACI 68 MSPLACI 68 MSPLACI 68 MSPLACI 69 MGASCI 69 MGASCI 69 MGASCI 60 MGASCI 61 MSPLACI 61 MGASCI 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLACI 67 MSPLACI 68 MSPLACI 68 MSPLACI 69 MGASCI		URT Recovery Mechanism Interruptible		13,026.30				
17 RGASRI 18 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 22 RGASRI 23 RGASCI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 30 RGASCI 31 RGASII 32 RGASII 33 RGASII 34 RGASII 35 RGASICI 36 RGASCI 47 RGASCI 48 RGASCI 49 RGASCI 50 RGASCI 51 RGASCI 51 RGASCI 52 RGASCI 53 RGASICI 54 RGASCI 55 RGASCI 56 RGASCI 57 RGASCI 58 RGASCI 59 RGASCI 50 RGASCI 51 RGASCI 51 RGASCI 52 RGINTD 53 RGASCI 54 RGASCI 55 RGASCI 56 RGASCI 57 RGASCI 57 RGASCI 58 RGASCI 59 RGASCI 50 RGASCI 51 RGASCI 51 RGASCI 52 RGINTD 53 RGASCI 54 RGASCI 55 RGASCI 66 RGASCI 67 RGASCI 68 RGASCI 69 MFRKLI 60 ROFFSCI 61 DISPECT 61 RGASCI 61 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLACI 66 MSPLACI 67 MSPLACI 68 MSPLACI 68 MSPLACI 68 MSPLACI 69 MGASCI 69 MGASCI 69 MGASCI 60 MGASCI 60 MGASCI 61 MGASCI 61 MGASCI 63 MGASCI 64 MGASCI 65 MSPLACI 66 MSPLACI 67 MSPLACI 68 MSPLACI 68 MSPLACI 69 MGASCI		Total	\$	477,049,969.25	\$	515,119,218.29	\$	509,645,344.08
18 RGASRI 19 RGASRI 20 RGASRI 21 RGASRI 22 RGASRI 22 RGASCI 23 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIN 36 RGASCI 47 RGASIN 48 RGASIN 49 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 50 RGASCI 51 RGASCI 51 RGASCI 61 RGASCI 63 RGASCI 64 RGASCI 65 RGASCI 66 RGASCI 67 RGASIN 68 RGASCI 68 RGASCI 69 MRGASPI 69 MRGASPI 60 ROFFIS 61 DISPRE 62 MGASRI 63 MGASRI 64 MGASRI 65 MGASCI 66 MGASCI 66 MGASCI 67 MSPLACI 68 MSPLACI	240050040	One Residential Resource CAR		0.500.574.40		10 001 017 50		47.004.000.40
19 RGASRI 20 RGASRI 21 RGASRI 22 RGASRI 22 RGASRI 23 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASICI 36 RGASCI 47 RGASIN 48 RGASCI 47 RGASIN 48 RGASIN 50 RGASCI 51 RGASCI 51 RGASCI 52 RGINTD 53 RGASIN 59 RGASIN 50 RGASCI 60 RGASCI 61 DISPRE 62 MGASRI 63 MGASRI 64 MGASRI 65 MGASRI 66 MSPLAC	GASRESCAP			3,563,574.13		18,264,017.53		17,384,689.18
20 RGASRI 21 RGASRI 22 RGASRI 22 RGASCI 23 RGASCI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 32 RGASIN 34 RGASIN 35 RGASIN 36 RGASICI 37 RGASIN 38 RGASICI 38 RGASICI 37 RGASIN 38 RGASICI 38 RGASICI 39 RGASCI 31 RGASICI 31 RGASICI 32 RGASICI 33 RGASICI 34 RGASICI 35 RGASICI 36 RGASICI 37 RGASICI 48 RGASICI 49 RGASCI 47 RGASICI 48 RGASCI 47 RGASICI 48 RGASCI 49 RGASICI 50 RGASCI 51 RGASCI 51 RGASCI 52 RGINTD 53 RGASICI 53 RGASICI 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASICI 58 RGASICI 59 MFRILLI 50 MGASCI 50 MGASCI 61 DISPRE 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MGASCI 66 MGASCI 67 MSPLACI 68 MSPLACI 68 MSPLACI 69 MGASCI 69 MGASCI 69 MGASCI 69 MGASCI 60 MGASCI 60 MGASCI 61 MGASCI 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLACI 66 MSPLACI 67 MSPLACI 68 MSPLACI 69 MGASCI	GASRESPPS			17,064,567.37		4,998,647.60		5,058,251.12
21 RGASRI 22 RGASRI 23 RGASRI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASCI 31 RGASII 32 RGASII 33 RGASII 34 RGASII 35 RGASCI 36 RGASCI 37 RGASII 38 RGASII 36 RGASCI 37 RGASII 38 RGASII 39 RGASII 51 RGASII 52 RGINTD 52 RGINTD 52 RGINTD 53 RGASII 54 RGASII 55 RGASCI 56 RGASCI 57 RGASII 58 RGASII 59 MGCIM 55 RGASCI 56 RGASCI 57 RGASII 58 RGASII 59 MRCIM 50 RGASCI 51 DISPRE 62 MGASR 63 MGASR 64 MGASR 66 MSPLAC	GASRPRICP	GAS RESIDENTIAL MARGIN-PPS FIXED		3,315,983.90		3,073,897.98		2,894,690.85
22 RGASRI 23 RGASRI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIN 40 MGASPI 41 MGASPI 42 H3 44 RGASIN 45 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 50 RGASCI 51 TST RGASCI 52 RGINTD 53 RGASIN 50 RGASCI 61 DISPRE 62 MGASRI 63 MGASRI 64 MGASRI 65 MGASRI 66 MSPLACI 67 MSPLACI 68 MSPLACI 68 MSPLACI 69 MGASCI	GASRPRICC			441,375.59		332,321.88		319,781.42
23 RGASRI 24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 27 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASICI 36 RGASCI 47 RGASIN 48 RGASIN 49 RGASCI 47 RGASIN 48 RGASIN 50 RGASCI 51 RGASCI 51 RGASCI 52 RGINTD 53 RGASIN 50 RGASCI 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASIN 59 MRKLI 50 RGASCI 58 RGASCI 59 MRSKI 50 RGASCI 60 ROFFS 61 DISPRE 62 MGASRI 63 MGASCI 64 MGASRI 65 MGASCI 66 MSPLAC	GASROFPPS			(3,315,983.90)		-		-
24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 34 RGASIN 35 RGASIN 36 RGASIC 36 RGASIC 36 RGASIC 37 RGASIN 38 RGASIN 40 MGASPI 41 MGASPI 42 RGASCI 43 RGASIC 46 RGASCI 47 RGASIN 48 RGASIN 49 RGASIN 50 RGASCI 51 RGASCI 51 RGASCI 52 RGINTD 53 RGASIN 59 MGASCI 56 RGASCI 57 RGASIN 59 MGASCI 56 RGASCI 57 RGASIN 59 MGRKLI 60 ROFFSY 61 DISPRE 62 MGASC 63 MGASCI 64 MGASC 66 MGASC 66 MSPLAC	GASROFCAP	GAS RESIDENTIAL MARGIN OFFSET-PPS CAP		(441,375.59)		-		-
24 RGASCI 25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 34 RGASIN 35 RGASIN 36 RGASIC 36 RGASIC 36 RGASIC 37 RGASIN 38 RGASIN 40 MGASPI 41 MGASPI 42 RGASCI 43 RGASIC 46 RGASCI 47 RGASIN 48 RGASIN 49 RGASIN 50 RGASCI 51 RGASCI 51 RGASCI 52 RGINTD 53 RGASIN 59 MGASCI 56 RGASCI 57 RGASIN 59 MGASCI 56 RGASCI 57 RGASIN 59 MGRKLI 60 ROFFSY 61 DISPRE 62 MGASC 63 MGASCI 64 MGASC 66 MGASC 66 MSPLAC	GASRESDB	Gas Residential Revenue - DependaBill		2,471,634.17		2,118,047.20		1,678,364.31
25 RGASCI 26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 29 RGASCI 30 RGASCI 31 RGASII 32 RGASII 33 RGASII 34 RGASII 35 RGASCI 36 RGASCI 37 RGASII 41 MGASPI 41 MGASPI 42 43 44 RGASII 45 RGASCI 46 RGASCI 47 RGASII 50 RGASCI 51 RGASCI 52 RGINTD 52 RGINTD 53 RGASCI 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASII 58 RGASCI 59 MGCIM 56 RGASCI 56 RGASCI 57 RGASII 58 RGASCI 59 MGCIM 50 RGASCI 50 RGASCI 51 DISPRE 62 MGASR 63 MGASCI 64 MGASR 65 MGASCI 66 MGASCI 66 MSPLAC	GASCOMPPS	•		1,096,506.02		1,216,961.34		1,135,687.04
26 RGASCI 27 RGASCI 28 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIN 36 RGASIC 37 RGASIN 38 40 MGASPI 41 MGASPI 42 43 44 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASIN 58 RGASIN 59 MRKLI 50 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 67 MSPLAC	GASCOMCAP			294,189.12		443,703.64		442,483.95
27 RGASCI 28 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIC 35 RGASIC 36 RGASIC 37 RGASIC 37 RGASIC 38 RGASIC 37 RGASIC 38 RGASIC 38 RGASIC 41 MGASP 42 RGASCI 42 RGASCI 43 RGASCI 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 50 RGASCI 51 RGASCI 52 RGINTD 53 RGASIC 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASIC 58 RGASIC 59 MFRKLI 60 ROFFS 61 DISPRE 62 MGASCI 63 MGASCI 64 MGASCI 65 MGASCI 66 MSPLAC	GASCPRICP	GAS COMMERCIAL MARGIN-PPS FIXED		218,128.16		54,996.18		51,789.93
28 RGASCI 29 RGASCI 30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIC 36 RGASIC 36 RGASIC 37 RGASIN 38 39 40 MGASP 41 MGASP 42 43 44 RGASRI 48 RGASIC 47 RGASIC 48 RGASCI 47 RGASIC 48 RGASCI 47 RGASIC 50 RGASCI 51 DISPRE 62 MGASR 63 MGASF 64 MGASR 65 MGASR 66 MSPLAC 68 MSPLAC 68 MSPLAC 69 MGASC 69 MGASC 66 MGASC 66 MSPLAC	GASCPRICC			34,680.20		8,839.16		8,505.61
29 RGASCI 30 RGASCI 31 RGASIN 31 RGASIN 32 RGASIN 33 RGASIN 34 RGASIN 35 RGASIN 36 RGASIC 37 RGASIN 40 MGASPI 41 MGASPI 42 43 44 RGASRI 45 RGASCI 46 RGASCI 47 RGASIN 50 51 52 RGINTD 53 RGASIN 50 FG RGASIN 50 FG RGASIN 50 FG RGASIN 51 MGCIM 52 RGINTD 53 RGASIN 50 MGCIM 54 MGCIM 55 RGASIN 56 RGASCI 57 RGASIN 58 RGASIN 59 MPRKIL 56 RGASCI 57 RGASIN 58 RGASIN 59 MPRKIL 56 RGASCI 57 RGASIN 58 RGASIN 59 MPRKIL 56 RGASCI 57 RGASIN 58 RGASIN 59 MRGASRI 59 MRGASRI 50 MGCIM 50 MGASR 61 DISPRE 62 MGASR 63 MGASR 64 MGASN 65 MGASR 66 MSPLAC	GASCOFPPS			(218,128.16)		0,039.10		0,505.01
30 RGASCI 31 RGASIN 32 RGASIN 33 RGASIN 33 RGASIN 34 RGASIN 35 RGASIN 36 RGASIN 37 RGASIN 38 39 40 MGASPI 41 MGASPI 42 43 44 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASIN 58 RGASIN 59 MRKLI 50 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 67 MSPLAC						-		•
31 RGASIN 32 RGASIN 33 RGASIS 34 RGASIC 35 RGASIC 36 RGASIC 37 RGASIC 37 RGASIC 38 39 40 MGASP 41 MGASP 42 43 44 RGASC 46 RGASC 47 RGASIC 48 RGASIC 49 RGASIC 50 51 52 RGINTD 53 54 MGCIM 55 RGASC 56 RGASC 57 RGASIC 57 RGASIC 58 RGASIC 59 MFRKL 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 67 MSPLAC				(34,680.20)		-		-
32 RGASIN 33 RGASIP 34 RGASIC 35 RGASIC 36 RGASIC 37 RGASIC 38 RGASIC 39 40 MGASP 41 MGASP 42 43 44 RGASC 47 RGASIC 48 RGASC 47 RGASIC 48 RGASC 50 51 52 RGINTD 55 RGASC 56 RGASC 57 RGASIC 58 RGASC 59 MPKLL 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 MSPLAC		Gas Commercial Revenue - DependaBill		64,834.58		-		-
33 RGASIP 34 RGASIP 35 RGASIC 36 RGASIC 37 RGASIN 38 40 MGASP 41 MGASP 42 43 44 RGASR 45 RGASC 46 RGASC 47 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASR 56 RGASC 57 RGASIN 59 MPRKI 58 RGASIN 59 MPRKI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 MSPLAC 68 MSPLAC 68 MSPLAC 69 MGASC	GASINDCAP	Gas Small Industrial Revenue - CAP		975.37		-		-
34 RGASIP 35 RGASIC 36 RGASIC 37 RGASIN 38 39 40 MGASP 41 MGASP 42 43 44 RGASC 46 RGASC 47 RGASIN 48 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASC 57 RGASIN 56 RGASC 57 RGASIN 58 RGASIN 59 MRKLI 50 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 67 MSPLAC	GASINDPPS	Gas Small Industrial Revenue - PPS		142,283.16		-		-
35 RGASIC 36 RGASIC 37 RGASIN 38 39 40 MGASPI 41 MGASPI 42 43 44 RGASRI 45 RGASCI 47 RGASIN 49 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASRI 56 RGASCI 57 RGASIN 59 MRKLI 60 ROFES 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 67 MSPLAC	GASIPRICP	GAS SM INDUSTRIAL MARGIN-PPS FIXED		30,307.57		2,535.55		2,387.72
36 RGASIC 37 RGASIN 38 39 40 MGASPI 41 MGASPI 42 43 44 RGASCI 45 RGASCI 47 RGASIN 49 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASCI 57 RGASIN 56 RGASCI 57 RGASIN 59 MPRILI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASCI 64 MGASR 65 MGASR 66 67 MSPLAC	GASIPRICC	GAS SM INDUSTRIAL MARGIN-PPS CAP		90.09		59.03		56.80
37 RGASIN 38 39 40 MGASPI 41 MGASPI 42 43 44 RGASRI 45 RGASCI 46 RGASCI 47 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASIN 56 RGASIN 56 RGASCI 57 RGASIN 58 RGASIN 59 MPRKI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 MSPLAC	GASIOFPPS	GAS SM INDUSTRIAL MARGIN OFFSEET-PPS FIXED		(30,307.57)		-		-
37 RGASIN 38 39 40 MGASPI 41 MGASPI 42 43 44 RGASRI 45 RGASCI 46 RGASCI 47 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASIN 56 RGASIN 56 RGASCI 57 RGASIN 58 RGASIN 59 MPRKI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 MSPLAC	GASIOFCAP	GAS SM INDUSTRIAL MARGIN OFFSET-PPS CAP		(90.09)		-		-
38 39 40 MGASPI 41 MGASPI 42 43 44 RGASCI 45 RGASCI 46 RGASCI 47 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASCI 57 RGASCI 58 RGASCI 59 MFKLLI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 67 MSPLAC 68 MSPLAC 68 MGASC 69 MGASC	GASINDDB	Gas Small Industial Revenue - DependaBill		2,268.03				-
39 40 MGASPI 41 MGASPI 42 43 44 RGASRI 45 RGASCI 47 RGASIN 49 RGASIN 50 51 52 RGINTD 55 RGASRI 56 RGASCI 57 RGASIN 59 MPRKLI 60 ROFFSI 61 DISPRE 62 MGASRI 63 MGASRI 64 MGASRI 65 MGASRI 66 MSPLAC		Total	\$	24,700,831.95	\$	30,514,027.08	\$	28,976,687.92
40 MGASPI 41 MGASPI 42 43 44 RGASCI 45 RGASCI 47 RGASIN 49 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASCI 57 RGASIN 59 MPRKLI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASCI 64 MGASR 65 MGASR 66 67 MSPLAC 68 MSPLAC 68 MSPLAC 69 MGASC			\$	702,015.71	<u> </u>		<u> </u>	
41 MGASPI 42 43 44 RGASRI 45 RGASCI 46 RGASCI 47 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASCI 56 RGASCI 57 RGASIN 58 RGASIN 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 MSPLAC 68 MSPLAC 68 MSPLAC 69 MGASC	GASPIPEEERM	RM TDSIC Expense Tracker	Ψ	2,716,697.48		5,233,319.41		6,766,466.22
42 43 44 RGASRI 45 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASRI 56 RGASCI 57 RGASIN 58 RGASIN 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 67 MSPLAC		·				26,495,187.24		31,509,174.76
43 44 RGASRI 45 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASRI 56 RGASCI 57 RGASIN 59 MPRKLI 60 ROFFSCI 61 DISPRE 62 MGASRI 63 MGASRI 64 MGASRI 65 MGASRI 66 MSPLACI 68 MSPLACI 69 MGASCI	GAGFIFETK	TDSIC Capital Tracker Total	\$	10,487,157.61 13,203,855.09	\$	31,728,506.65	\$	38,275,640.97
44 RGASRI 45 RGASCI 46 RGASCI 47 RGASIN 49 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASRI 56 RGASCI 57 RGASIH 59 MPRKLI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASRI 64 MGASR 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC		. • • • • • • • • • • • • • • • • • • •		.0,200,000.00	<u> </u>	01,120,000.00		00,210,010101
45 RGASCI 46 RGASCI 47 RGASIN 48 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASIN 56 RGASCI 57 RGASIN 58 RGASIN 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC	GASRESC	Gas Residential Revenue - Choice		15,563,554.80		15,753,824.03		15,808,333.30
46 RGASCI 47 RGASIN 48 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASCI 57 RGASCI 58 RGASCI 59 MFRKLI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASCI	GASCOMC	Gas Commercial Revenue - Choice		15,548,076.70		15,903,551.82		15,941,979.77
47 RGASIN 48 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASRI 56 RGASCI 57 RGASIN 59 MPRKLI 60 ROFFSE 62 MGASR 63 MGASFI 64 MGASR 65 MGASR 66 67 MSPLAC	GASCOMTR	Gas Commercial Revenue - Transport		1,690,492.66		2,219,890.42		2,219,633.79
48 RGASIN 49 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASRI 56 RGASCI 57 RGASIH 59 MPRKLI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASFI 64 MGASN 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC		Gas Small Industrial Revenue - Choice		3,985,101.62		3,923,933.17		3,921,049.34
49 RGASIN 50 51 52 RGINTD 53 54 MGCIM 55 RGASRI 56 RGASCI 57 RGASIN 58 RGASIN 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASR 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC		Gas Small Industrial Revenue - Transport		26,841,597.05		2,114,201.16		2,114,201.16
50 51 52 RGINTD 53 54 MGCIM 55 RGASRI 56 RGASCI 57 RGASLI 58 RGASIN 59 MPRKLI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASN 65 MGASR 66 67 MSPLAC		Gas Major Industrial Revenue - Transport		20,041,007.00		24,134,564.50		24,134,564.50
51 52 RGINTD 53 54 MGCIM 55 RGASRI 56 RGASCI 57 RGASIH 60 ROFFSY 61 DISPRE 62 MGASR 63 MGASR 64 MGASN 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC	SASINDIVITA	Total	\$	63,628,822.83	\$	64,049,965.10	\$	64,139,761.86
52 RGINTD 53 54 MGCIM 55 RGASRI 56 RGASCI 57 RGASIH 59 MPRKLI 60 ROFFS) 61 DISPRE 62 MGASR 63 MGASFI 64 MGASN 65 MGASR 66 67 MSPLAC 68 MSPLAC								
54 MGCIM 55 RGASRI 56 RGASCI 57 RGASIH 58 RGASIN 59 MPRKLI 60 ROFFSY 61 DISPRE 62 MGASR 63 MGASR 64 MGASN 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC	GINTDEPT	Gas Interdepartmental Revenue		117,052.00		232,359.00		222,991.00
55 RGASRI 56 RGASCI 57 RGASIH 58 RGASIH 60 ROFFSY 61 DISPRE 62 MGASFI 64 MGASN 65 MGASFI 66 67 MSPLAC 68 MSPLAC 69 MGASC	GCIM	GCIM Margin		2,168,286.00		-		-
56 RGASCI 57 RGASIH 58 RGASIH 60 ROFFS\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	GASRHEDGC			. ,				
57 RGASIH 58 RGASIN 59 MPRKLI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASR 64 MGASN 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC	GASCHEDGC							
58 RGASIN 59 MPRKLI 60 ROFFS 61 DISPRE 62 MGASR 63 MGASFI 64 MGASN 65 MGASR 66 67 MSPLAC 68 MSPLAC	GASIHEDGC							
59 MPRKLI 60 ROFFSI 61 DISPRE 62 MGASR 63 MGASFI 64 MGASN 65 MGASR 66 MSPLAG 68 MSPLAG 69 MGASC				2 267 000 04		1 707 000 00		4 707 000 00
60 ROFFS) 61 DISPRE 62 MGASF 63 MGASF 64 MGASN 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC	GASINDBAL	Gas Industrial Revenue - Balancing		3,367,966.84		1,727,330.00		1,727,330.00
61 DISPRE 62 MGASR 63 MGASFI 64 MGASN 65 MGASR 66 67 MSPLAG 68 MSPLAG 69 MGASC		Parks and Loans Margin		565,386.72		284,570.00		284,570.00
62 MGASR 63 MGASFI 64 MGASN 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC				(2,168,286.00)		-		-
63 MGASFI 64 MGASN 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC		Displacement Revenue		44,051.17		293,000.00		293,000.00
64 MGASN 65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC	GASRENT	Gas Rent Margin		147,906.32		138,000.00		138,000.00
65 MGASR 66 67 MSPLAC 68 MSPLAC 69 MGASC		Gas Forfeited Discounts Margin		2,502,477.91		3,255,693.05		3,236,158.71
66 67 MSPLAC 68 MSPLAC 69 MGASC	GASNSF	Gas NSF Margin		167,301.22		165,000.00		165,000.00
67 MSPLAC 68 MSPLAC 69 MGASC	GASRECON	Gas Reconnect Charges Margin		637,398.47		771,860.92		771,860.92
67 MSPLAC 68 MSPLAC 69 MGASC		PPS & DependaBill Hedge		10,267.00				
68 MSPLAC	SPLAGSVC	Supplier Aggregation - Choice		881,197.75		912,000.00		912,000.00
69 MGASC	SPLAGTRAN			949,354.66		912,000.00		912,000.00
		Gas Choice Program Revenue Fee		833,987.11		798,740.00		798,740.00
70 RGASO	GASOTH	Sas onoise i regiam revellue i ee		000,007.11		790,740.00		790,740.00
		TDSIC Revenue Credit for Residential		(246.076.04)				
	CTDSICR			(316,976.81)		(1,357,105.31)		(1,812,486.93)
	CTDSICC	TDSIC Revenue Credit for Commercial		(238,744.24)		(658,906.68)		(915,456.75)
73 RCTDSI		TDSIC Revenue Credit for Industrial		(11,742.17)		-		-
	GASPIPETR	TDSIC Capital Tracker		(1,504,116.09)				
75		Total	\$	8,035,715.86	\$	7,242,181.99	\$	6,510,715.96
76		0-4-	•	F00 700 045	•	040 000 05-	r 01 . ^	047 774 446 74
	otal Longview Code		\$	586,736,247	\$	648,886,258	[.3] \$	647,771,142 [.3
78 Per Oper79 Variance	r Operating Reven	sevenue Actuals	\$	588,904,533 2,168,286				

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Workpaper OTX 5-S3 Page [.5]

Northern Indiana Public Service Company Calculation of URT Tax Ratemaking Adjustment Twelve Months Ended December 31, 2018

Line No.	Description	Amount
	Α	В
1	Pro forma Revenue (12 M/E December 31, 2018)	\$ 619,371,092
	Add:	
2	Construction Advances and Contribution in Aid	770,153
	Less:	
3	InterDept Sales	222,991
4	Bad Debt Expense	1,870,157
5	Rent from Gas Properties	138,000
6	Other Gas Revenues	5,750,413
7	Sales for Resale	-
8	Revenue subject to taxation as Special Fuels	430,180
9	Exempt Sales	750,363
10	Demand Side Management - Utility Receipt Tax *	3,024,452
11	Taxable Amount	\$ 607,954,689
12	Utility Receipts Tax Rate	1.40%
13	Gas Utility Receipts Tax	\$ 8,511,366 [.1] [.3]

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Workpaper OTX 6-S3 Page [.1]

Northern Indiana Public Service Company Pro forma Adjustment to Taxes Other Than Income Twelve Months Ending December 31, 2018

This pro forma adjusts the twelve months ended December 31, 2016 taxes other than income expense to reflect budgeted and ratemaking changes in public utility fees for the twelve months ending December 31, 2017 and December 31, 2018.

Line		Attachment 3-C-S3	3		Page
No.	Description	Reference	Adjustments	Amount	Reference
	A	В	С	D	E
1	2016 Public Utility Fee	Sch. OTX 6-S3		\$ 857,122	[.2]
2	2017 Forecasted Public Utility Fee				
3	Increase/(Decrease) in Historical Base Period 2016 to Forward 2017 Period	Sch. OTX 6-S3	OTX 6-S3-17	(39,349)	_
4	Public Utility Fee - Forecasted Jan-Dec 2017	Sch. OTX 6-S3	_	\$ 817,773	[.3]
5	2018 Forecasted Public Utility Fee				
6	Increase/(Decrease) in Forward 2017 Period to Forward 2018 Test Year	Sch. OTX 6-S3	OTX 6-S3-18	<u>-</u>	-
7	Public Utility Fee - Forecasted Jan-Dec 2018	Sch. OTX 6-S3	_	\$ 817,773	[.3]
8	2018 Ratemaking Public Utility Fee				
9 10	Ratemaking Adjustments Public Utility Fee Expense	Sch. OTX 6-S3	OTX 6-S3-18R	(10,711)	[.4]
11	2018 Ratemaking Increase/(Decrease)		_	\$ (10,711)	
12	2018 Ratemaking Public Utility Fee	Sch. OTX 6-S3	=	\$ 807,062	[.4]

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Northern Indiana Public Service Company - Benefit Detail Twelve Months Ended December 31, 2016 Account 40813100 - Tax Exp-Licensse_Franchise (PUF) Workpaper OTX 6-S3 Page [.2]

Lin	9							2016							Twelve Months Ended
No	. Segme	nt Cost Element	January	February	March	April	May	June	July	August	September	October	November	December	December 31, 2016
1	G	9624 - License and Franchise								7,539					7,539
2	G	9635 - Public Utilities Commission	73,449	73,449	73,449	73,449	73,449	73,449	68,148	68,148	68,148	68,148	68,148	68,148	849,584 [. 3]
3		Total Public Utility Tax	\$ 73,449	\$ 73,449	73,449 \$	73,449 \$	73,449 \$	73,449 \$	68,148	75,686	\$ 68,148	\$ 68,148	\$ 68,148	\$ 68,148	\$ 857,122 [.1]

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Northern Indiana Public Service Company Budget

Taxes Other Than Income: Public Utility Tax

December 31, 2016, 2017 and 2018

Workpaper OTX 6-S3 Page [.3]

Line no.	Symbol	Segment	Description	12	/31/2016	12	2/31/2017		12/31/2018		
	Α	В	С		D		E			F	
1	PUF	NIPSCO	Public Utility Tax	\$	849,584 [.2]	\$	817,773	[.1]	\$	817,773	A [.1] [.4]
							Public Utili	ty Fee	\$	817,773	[.1]
							Per E	Budget		817,773	Α
							Va	riance	\$	-	-

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Northern Indiana Public Service Company Pro forma Adjustment to Taxes Other Than Income For the Twelve Month Period Ending December 31, 2018

Workpaper OTX 6-S3 Page [.4]

Description	Amount	
Pro forma Revenue (12 M/E December 31, 2018) Less: Sales for Resale InterDept Sales Forfeited Discounts Misc Service Revenue Rent from Gas Properties Other Gas Revenues Bad Debt Expense Taxable Amount Public Utility Fee Rate Public Utility Fee at pro forma revenue Less: Actual Public Utility Fee Expense (12 M/E December 31, 2018) Increase / (Decrease) in Pro forma Test Year Taxes Other Than Income	В	
Pro forma Revenue (12 M/E December 31, 2018)	\$ 619,371,092	
Less:		
Sales for Resale	-	
nterDept Sales	222,991	
Forfeited Discounts	3,236,159	
Misc Service Revenue	1,735,601	
Rent from Gas Properties	138,000	
Other Gas Revenues	5,750,413	
Bad Debt Expense	1,870,157	
Faxable Amount	\$ 606,417,771	
Public Utility Fee Rate	0.1330868%	
Public Utility Fee at pro forma revenue	\$ 807,062	Į.
Less: Actual Public Utility Fee Expense (12 M/E December 31, 2018)	\$ 817,773	[.
ncrease / (Decrease) in Pro forma Test Year Taxes Other Than Income	\$ (10,711)	Į.
2016 Filing		
Public Utility Fee Amount	707,168	
Fotal Intra-State Revenue Public Utility Rate	531,358,464 0.1330868 %	

Petitioner's Exhibit No. 17-S3 Cause No. 44988 Page 25 of 28

> Workpaper ITX 1-S3-18R Page [.1]

Northern Indiana Public Service Company Pro forma Adjustment to Income Taxes For the Twelve Month Period Ending May 31, 2018

This pro forma adjusts the twelve months ended December 31, 2016 federal and state income tax expense to reflect budgeted and ratemaking changes for the twelve months ending December 31, 2017 and May 31, 2018.

Line		Attachment 3-A-S3			Page
No.	Description	Reference	Adjustments	Amount	Reference
	A			В	
1	Federal and State Income Taxes:				
2	Actual at Test Year Base Rates	Col B		\$ 21,354,892	[.2]
3	Pro Forma at Test Year Base Rates	Col C	ITX 1-S3-18	(31,903,647	<u>')</u>
4	Increase/ (Decrease) in Pro forma Test Year Federal and State Income Taxes	Col E		\$ (10,548,755	() [.3]

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Workpaper ITX 1-S3-18R

Northern Indiana Public Service Company Twelve Months Ended December 31, 2016 Utility Income Taxes

Line										2016							Twelve Months Ended		Adjusted Twelve Months Ended
	Segme	nt Account	Description	Janu	iary l	February	March	April	May	June	July	August	September	October	November	December	December 31, 2016	Adjustments	December 31, 2016
1	G	40912000	Util Cur ST Exp	\$ 6	522,413 \$	371,057 \$	(269,525) \$	(535,815) \$	(1,235,169) \$	(801,015) \$	(748,211) \$	(905,265)	(1,064,930) \$	(6,235,871) \$	555,872 \$	4,252,379	\$ (5,994,082) \$	663,776	\$ (5,330,306.00)
2	G	40911000	Util Cur Fed Exp	2,7	707,744	1,410,291	(1,911,923)	(3,259,229)	(6,854,050)	(4,622,409)	(4,350,987)	(5,158,277)	(5,978,985)	(30,841,975)	2,932,235	22,173,415	(33,754,150)	3,135,415	(30,618,735)
3	G	41011000	Util Def Fed Exp-Dr	5,6	646,039	6,529,484	8,030,001	7,473,790	6,663,565	5,896,616	6,583,716	6,484,462	12,186,366	39,908,068	14,774,502	68,732,147	188,908,755	(837,881)	188,070,874
4	G	41012000	Util Def ST Exp-Dr	1,0	34,343	1,155,227	1,748,389	1,244,442	1,133,336	1,020,079	1,119,710	1,102,921	1,867,798	7,182,054	2,419,578	9,132,027	30,159,905	- 1	30,159,905
5	G	41111000	Util Def Fed Exp-Cr	(2,1	187,445)	(2,569,585)	(2,994,712)	(1,894,742)	(1,545,107)	(2,385,498)	(2,028,102)	(2,216,059)	(7,601,629)	(12,774,528)	(17,205,768)	(85,558,441)	(140,961,614)	1,499,736	(139,461,879)
6	G	41112000	Util Def ST Exp-Cr	(3	327,102)	(375,802)	(854,181)	(272,418)	(229,160)	(351,500)	(298,635)	(324,835)	(1,041,532)	(2,366,653)	(2,283,450)	(12,739,700)	(21,464,967)	-	(21,464,967)
7		Uti	ility Income Tax Total	\$ 7.4	195.993 \$	6.520.672 \$	3.748.050 \$	2.756.028 \$	(2.066.586) \$	(1,243,727) \$	277.491 \$	(1,017,052)	(1.632.912) \$	(5.128.905) \$	1.192.968 \$	5.991.827	\$ 16.893.846	4.461.046	\$ 21.354.892 [.1]

Workpaper ITX 1-S3-18R Page [.3]

Northern Indiana Public Service Company Calculation Of Federal and State Income Taxes Pro Forma At Test Year Base Rates and Proposed Base Rates For the Twelve Month Period Ending May 31, 2018

			Actual		Pro Forma	Pro Forma Based on Revenue	١	Pro Forma
Line			At Test Year		At Test Year	Requirement		At Proposed
No.	Description		Base Rates A		Base Rates B	Deficiency C		Base Rates
					_	-		_
1	Pre-Tax Income Before Income Taxes	\$	53,706,046	\$	(17,656,044)	105,331,012		87,674,968
2	State Income Tax Deductible	_	3,364,632		434,779	6,276,451		6,711,230
3	Pre-Federal Income Taxes	\$	50,341,414	\$	(18,090,823)	\$ 99,054,561	\$	80,963,738
4	Taxes at 35%	\$	17,619,495					
5	Taxes at 21%				(3,799,073)	20,801,458		17,002,385
6	Statutory Adjustments							
7	Net Excess for Method, Basis and Life Differences for Tax Rate Changes		(245,450)		(234,047)	•		(234,047)
8	2018 Tax Reform FT Change		-		(6,672,225)	[.4]		(6,672,225)
9	Deficiency for Flow Through of AFUDC Equity		-		19,949	-		19,949
10	Prior Year Adjustments		14,585		-	-		-
11	Non Deductible Expenses		(238,175)		35,399	-		35,399
12	Other Adjustments - See supporting schedule		839,805			-		
13	Muncie Remand Method		-		(29,692)	-		(29,692)
14	Investment Tax Credit	_	-	_	(303,845)			(303,845)
15	Total Federal Income Tax Expense	_\$	17,990,260	\$	(10,983,534)	\$ 20,801,458	\$	9,817,924
16	Pre-Tax Income Before Income Taxes	\$	53,706,046	\$	(17,656,044)	\$ 105,331,012	\$	87,674,968
17	Indiana State Income Taxes (2016 Actuals @ 6.375%)	6.375%	3,423,760		-	-		-
18	Indiana State Income Taxes (2018 Proforma @ 5.875%)	<u>5.875%</u>	-		(1,037,293)	6,188,197		5,150,904
19	Net Excess for Method, Basis and Life Differences for Tax Rate Changes		1,335		922,889	-		922,889
21	Deficiency for Flow Through of AFUDC Equity		-		3,349	-		3,349
22	Prior Year Adjustments		(43,382)		-	-		-
23	Non Deductible Expenses		(421,914)		9,903	-		9,903
24	Other Adjustments - See supporting schedule		(53,363)		35,888	-		35,888
25	Non-Deductible Utility Receipts Tax		458,196		500,043	88,254	-	588,297
26	Total State Income Taxes Before Gross Up	\$	3,364,632	\$	434,779	\$ 6,276,451	\$	6,711,230
27	Total Income Tax Expense		21,354,892	[.2] \$	(10,548,755)	[.1] \$ 27,077,909	\$	16,529,154

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Page [.4]

Northern Indiana Public Service Company Amortization of Excess Deferred Income Taxes Phase III Base Rate Implementation

Line No.	Description	Excess	Composite Rate	2018 Excess Amortization
1	Protected Property	(28,666,115)	2.180%	(624,921)
2	Unprotected Property	(73,443,711)	8.333%	(6,120,309)
3	Non Property	(300,213)	8.333%	(25,018)
4	NOL	4,496,466	2.180%	98,023
5	Total	(97,913,573)		(6,672,225) [.3]