STATE OF INDIANA

INDIANA UTILITY REGULATORY COMMISSION

VERIFIED PETITION OF INDIANA GAS COMPANY, INC.) D/B/A VECTREN ENERGY DELIVERY OF INDIANA, INC.) FOR (1) APPROVAL OF AN ADJUSTMENT TO ITS GAS SERVICE RATES THROUGH ITS CSIA RATE SCHEDULE, (2) AUTHORITY TO DEFER 20% OF THE APPROVED EXPENDITURES FOR RECOVERY IN PETITIONER'S NEXT GENERAL RATE CASE, AND (3) APPROVAL OF PETITIONER'S UPDATED 7-YEAR PLAN. INCLUDING ACTUAL AND PROPOSED ESTIMATED CAPITAL EXPENDITURES AND CSIA COSTS, ALL PURSUANT TO IND. CODE CHPT. 8-1-8.4 AND 8-1-39 AND THE COMMISSION'S ORDER IN) **CAUSE NO. 44429**

CAUSE NO. 44430-TDSIC-13

VERIFIED PETITION

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Indiana Gas Company, Inc. d/b/a Vectren Energy Delivery of Indiana, Inc., a CenterPoint Energy Company ("Vectren North" or "Petitioner") petitions the Indiana Utility Regulatory Commission ("Commission") for approval of (a) a Compliance and System Improvement Adjustment ("CSIA"), based on 80% of the calculated revenue requirement on recoverable investments and expenses associated with complying with federal mandates ("the Compliance Projects") and to improve safety, reliability or modernization of its gas pipeline systems ("TDSIC Projects"), in accordance with Ind. Code chpts. 8-1-8.4 and 8-1-39, as set forth in Petitioner's Exhibit No. 4, Attachment JCS-4 to be applicable for bills rendered beginning January 1, 2021 and to remain in effect until replaced in a subsequent filing; (b) the deferral of 20% of the calculated revenue requirement on recoverable investments for Compliance and TDSIC Projects; (c) an update to its seven (7) year plan (the "7 Year Plan") previously approved by the Commission including actual and projected capital and operation and maintenance ("O&M") expenditures associated with the Compliance Programs that exceed the amounts approved in Cause No. 44430 TDSIC-12 (the "TDSIC-12 Order"); and (d) an adjustment to Petitioner's authorized net operating income to reflect any approved earnings for purposes of Ind. Code § 8-1-2-42(g)(3). In

accordance with 170 IAC 1-1.1-8 and 1-1.1-9 of the Commission's Rules of Practice and Procedure, Petitioner submits the following information in support of this Petition:

Petitioner's Characteristics

1. Petitioner is an operating public utility, incorporated under the laws of the State of Indiana, with its principal office and place of business at One Vectren Square, Evansville, Indiana 47708. Petitioner is engaged in rendering gas service in the State of Indiana and owns, operates, manages, and controls plant and equipment within the State of Indiana used for the transmission, delivery, and furnishing of gas utility service to the public. Petitioner furnishes such gas utility service to approximately 570,000 retail customers.

2. Petitioner is a "public utility" within the meaning of Ind. Code §§ 8-1-39-4 and 8-1-2-1 and an "energy utility" within the meaning of Ind. Code §§ 8-1-2.5-2 and 8-1-8.4-3 and is subject to the jurisdiction of this Commission in the manner and to the extent provided by the Public Service Commission Act, as amended, and other pertinent laws of the State of Indiana.

Background and Relief Sought by Petitioner

3. On November 25, 2013, Vectren North filed a Petition, docketed as Cause No. 44430, for approval of its 7 Year Plan pursuant to Ind. Code § 8-1-39-10(a) and Ind. Code § 8-1-8.4-1 *et seq*. The Commission subsequently consolidated this Cause into Cause No. 44429 in which Vectren North's affiliate filed a similar proposal. In the August 27, 2014 Order in Cause No. 44429/44430 (the "44429 Order"), the Commission held: (a) the Compliance Projects in the 7 Year Plan are compliance projects undertaken to comply with federally mandated requirements; (b) the TDSIC Projects contained in year one of Vectren North's 7 Year Plan are "eligible transmission, distribution, and storage system improvements" within the meaning of Ind. Code § 8-1-39-2; (c) the 7 Year Plan is reasonable and approved; (d) Vectren North is authorized to

implement its CSIA Rate Schedule to recover 80% of the revenue requirement on eligible project investments; (e) Vectren North's proposed method of calculating a pretax return is approved; (f) the TDSIC Projects' and Compliance Projects' post in service costs may be deferred, with carrying costs, until such costs are recovered through the CSIA; (g) the CSIA may be assessed to residential customers as a fixed monthly charge; and (h) Vectren North may defer 20% of the revenue requirement on the 7 Year Plan's eligible and approved capital expenditures. The Indiana Court of Appeals affirmed the 44429 Order in its June 11, 2015 Memorandum Decision.

4. Consistent with the 44429 Order and Ind. Code § 8-1-39-9, Petitioner seeks periodic automatic adjustments of its CSIA every six months. The Commission has approved adjustments to the CSIA in orders issued in Cause No. 44430 TDSIC-1 ("TDSIC-1 Order"), Cause No. 44430 TDSIC-2 ("TDSIC-2 Order"), Cause No. 44430 TDSIC-3 ("TDSIC-3 Order"), Cause No. 44430 TDSIC-4 ("TDSIC-4 Order"), Cause No. 44430 TDSIC-5 ("TDSIC-5 Order"), Cause No. 44430 TDSIC-6 ("TDSIC-6 Order"), Cause No. 44430 TDSIC-7 ("TDSIC-7 Order"), Cause No. 44430 TDSIC-8 ("TDSIC-8 Order"), Cause No. 44430 TDSIC-9 ("TDSIC-9 Order"), Cause No. 44430 TDSIC-10 ("TDSIC-10 Order"), Cause No. 44430 TDSIC-11 ("TDSIC-11 Order") and the TDSIC-12 Order. In these orders and except as noted below, the Commission (1) held the projects contained in the applicable period of the 7 Year Plan constitute "eligible transmission, distribution, and storage system improvements" within the meaning of Indiana Code § 8-1-39-2; (2) approved Petitioner's updated 7 Year Plan, including the updated project lists, project cost estimates and the updated annual projected spends for the remaining years of the 7 Year Plan; (3) authorized Petitioner to recover 80% of the costs incurred in connection with the updated 7 Year Plan through the CSIA and to defer 20% of the costs incurred, including ongoing carrying charges on all deferred costs, for recovery in its next general rate case; (4) authorized Petitioner to implement a CSIA Rate Schedule that effectuates the timely recovery of 80% of eligible and approved capital and O&M expenditures resulting from TDSIC Projects and Compliance Projects; and (5) authorized Petitioner to adjust its net operating income for purposes of the earnings test calculation pursuant to Ind. Code § 8-1-2-42(g)(3) by the approved amounts. The TDSIC-1 Order also approved the requested rate schedule allocation and allowed Petitioner to no longer make replacement program compliance filings under Cause No. 43298 and for such filings to instead be included with each April TDSIC.

5. The Commission did not approve recovery of costs associated with TDSIC Projects incurred during the period of July 1, 2014 through December 31, 2014 in the TDSIC-2 Order because the Petitioner withdrew its request for recovery of these costs to enable it to prepare and submit more detailed cost estimates associated with its plan updates required for the TDSIC Projects. Petitioner submitted additional evidence in TDSIC-3 and the Commission approved the TDSIC Projects for that period and the next six months except for a gas pipeline designed to ensure adequate supplies in and around Lafayette, Indiana and certain projects that were not specifically identified in the original 7 Year Plan or previously approved updates to the 7 Year Plan. In TDSIC-8, Petitioner also removed, and the Commission accordingly excluded, certain multiple unit TDSIC programs, as well as costs incurred during the period within those In TDSIC-10, Petitioner removed, and the Commission accordingly program categories. excluded, one TDSIC project, as well as costs incurred during the period within those project categories. In TDSIC-11, Petitioner removed, and the Commission accordingly excluded, two Compliance Projects and the contingency inflation amount for a Distribution Modernization Project.

6. In accordance with Ind. Code §§ 8-1-8.4-7(c) and 8-1-39-9(a), and the 44429 Order, TDSIC-1 Order, TDSIC-2 Order, TDSIC-3 Order, TDSIC-4 Order, TDSIC-5 Order, TDSIC-6 Order, TDSIC-7 Order, TDSIC-8 Order, TDSIC-9 Order, TDSIC-10 Order, TDSIC-11 Order and TDSIC-12 Order (collectively the "TDSIC Orders"), Petitioner requests Commission approval of CSIA rates and charges to be applicable and made effective on January 1, 2021 and to remain

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in effect until replaced by different charges approved in a subsequent filing to effectuate the timely recovery of 80% of the revenue requirement on approved capital expenditures associated with the Compliance and TDSIC Projects and associated operating expenses inclusive of O&M expenses, depreciation, and property tax expenses.¹ Vectren North also requests Commission approval of the capital investments associated with the Compliance and TDSIC Projects incurred through June 30, 2020 upon which the proposed CSIA charges are based, along with a reconciliation of actual recoveries and actual costs recoverable in the CSIA. Finally, Vectren North requests approval of an adjustment to its authorized net operating income to reflect any approved earnings for purposes of Ind. Code § 8-1-2-42(g)(3) as supported by <u>Petitioner's Exhibit No. 4</u>, Attachment JCS-2 and JCS-3.

7. In accordance with Ind. Code §§ 8-1-8.4-7(c) and 8-1-39-9(b), as well as the TDSIC Orders, Petitioner requests Commission approval of the deferral, until the Company's next base rate case, of 20% of the revenue requirement on approved capital expenditures associated with the Compliance and TDSIC Projects and associated operating expenses inclusive of O&M expenses, depreciation, and property tax expenses.

8. Petitioner's schedules showing the calculations underlying the proposed revenue requirement calculations related to eligible CSIA costs, both recoverable in the Company's CSIA and deferred, incurred through June 30, 2020 are attached hereto as <u>Petitioner's Exhibit No. 4</u>, Attachments JCS-1, JCS-2, and JCS-3.

9. In accordance with Ind. Code § 8-1-39-9(a)(2), Petitioner's 7 Year Plan is attached hereto as <u>Petitioner's Exhibit No. 1</u>, Attachment SAH-4 (Public), Attachment SAH-5 (Public),

¹ Ind. Code § 8-1-39-12 provides that an order shall be issued not more than ninety (90) days after a Petition is filed. The Petitioner has agreed to waive this requirement in this proceeding to afford the Commission additional time to issue an order. As described in paragraph 22, Petitioner requests authority designed to make it financially whole despite this delay.

Attachment SAH-6 (Public), Attachment SAH-8 (Public), Attachment SAH-11 (Public), <u>Petitioner's Exhibit No. 2</u>, Attachment SJV-3, and as further set forth in its Case-in-Chief.

10. In accordance with Ind. Code § 8-1-39-9(a)(3), the projected effects of the CSIA on retail rates and charges are shown on <u>Petitioner's Exhibit No. 4</u>, Attachment JCS-6 attached hereto.

11. In accordance with Ind. Code § 8-1-39-9(a), a copy of this Verified Petition is being provided to the Indiana Office of Utility Consumer Counselor ("OUCC").

12. In accordance with Ind. Code § 8-1-39-9(c), Petitioner is not filing this petition within nine (9) months after the date on which the Commission issued an order changing Petitioner's basic rates and charges. The date of Petitioner's most recent retail gas base rate order was February 13, 2008. Petitioner will petition the Commission for review and approval of its basic rates and charges before the expiration of its 7 Year Plan.

13. In accordance with Ind. Code § 8-1-39-9(e), Petitioner has not filed a petition underInd. Code § 8-1-39-9 within the last six (6) months

14. In accordance with Ind. Code § 8-1-39-9(f), Petitioner has, in its case-in-chief, provided specific justification for, and requests specific Commission approval of, actual and proposed estimated capital expenditures and CSIA costs in the updated 7 Year Plan.

15. In accordance with Ind. Code § 8-1-39-14(a), Petitioner's evidence provides its method of calculating the average aggregate increase in its total retail revenue attributable to the CSIA to determine whether the TDSIC portion of the CSIA will result in an average aggregate increase of more than two percent (2%) in a twelve month period. <u>Petitioner's Exhibit No. 4</u>, Attachment JCS-3, Schedule 8 Page 1 of 1 demonstrates that Petitioner's proposed TDSIC

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Component will not result in an average aggregate increase in Petitioner's total retail revenue of more than two percent (2%) in a twelve-month period.

16. In accordance with the 44429 Order and TDSIC-4 Orders, Petitioner conducted a meeting among interested stakeholders on September 1, 2020 to discuss its Fall CSIA filing, including updates to and variances from the approved 7 Year Plan.

Applicable Law

17. Petitioner considers the provisions of the Public Service Commission Act, as amended, including Ind. Code chpts. 8-1-8.4 and 8-1-39 among others, to be applicable to the subject matter of this Petition and believes that such traditional statutes provide the Commission authority to approve the requested relief.

Petitioner's Counsel

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

Heather A. Watts (Atty. No. 35482-82) Justin Hage (Atty. No. 33785-32) CenterPoint Energy, Inc. One Vectren Square Evansville, IN 47708 Ms. Watts' Direct Dial: (812) 491-5119 Mr. Hage's Direct Dial: (317) 260-5399 Facsimile: (812) 491-4238 E-mail: <u>Heather.Watts@centerpointenergy.com</u> <u>Justin.Hage@centerpointenergy.com</u>

Procedural Matters

19. The books and records of Petitioner supporting such data, calculation and allegations are available for inspection and review by the OUCC and the Commission.

20. Petitioner requests that the Commission approve a procedural schedule agreed to by the Petitioner and the OUCC and dispense with conducting a prehearing conference. The agreed schedule is as follows:

Date	Event
November 24, 2020	OUCC/Intervenors File Case-in-Chief
December 10, 2020	Petitioner's Rebuttal Testimony
December 21, 2020	Hearing
December 30, 2020	Petitioner Submits Proposed Order
January 7, 2021	OUCC/Intervenors Submit Proposed Order
January 14, 2021	Petitioner Submits Reply to Proposed Orders

21. Ind. Code § 8-1-39-12 provides that (a) not more than ninety (90) days after a public utility files a petition under Ind. Code § 8-1-39-9, the Commission shall conduct a hearing and issue an order on the petition; and (b) not more than sixty (60) days after a public utility files a petition under Ind. Code § 8-1-39-9, the OUCC and other intervenors, if any, may: (1) examine the information to confirm that the proposed transmission, distribution, and storage system improvements comply with Ind. Code Ch. 8-1-39; and (2) report its findings to the Commission.

22. While the Petitioner is entitled to issuance of an order within ninety (90) days, Petitioner is proposing a schedule that affords the Commission one hundred and twenty (120) days. To avoid financial harm to Petitioner caused by agreeing to an additional thirty (30) days for this proceeding, Petitioner proposes that the month of January 2021 will be reconciled to the authorized revenue requirement ultimately approved in TDSIC-13, with any variances recovered in subsequent TDSIC proceedings.

WHEREFORE, Indiana Gas Company, Inc. d/b/a Vectren Energy Delivery of Indiana, Inc. respectfully requests that the Commission promptly publish notice, make such other investigation and hold such hearings as are necessary or advisable and thereafter, make and enter an order in this Cause:

(a) Authorizing and approving the CSIA rates and charges set forth in <u>Petitioner's Exhibit</u> <u>No. 4</u>, Attachment JCS-4 to become effective January 1, 2021 and remain in effect until replaced in a subsequent filing;

(b) Authorizing and approving the deferral of 20% of the calculated revenue requirement on recoverable investments for Compliance and TDSIC Projects;

(c) Approving updates to Petitioner's 7 Year Plan to be described in more detail in its Case-in-Chief;

(d) Approving the procedural schedule agreed to among the OUCC and Petitioner;

(e) Authorizing the CSIA costs to be recovered in the month of January 2021 to be reconciled to the authorized revenue requirement ultimately approved in TDSIC-13 with any variances recovered in subsequent TDSIC proceedings;

(f) Granting to Petitioner such additional and further relief as may be deemed necessary or appropriate.

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DATED: this 1st day of October, 2020

Indiana Gas Company, Inc. d/b/a Vectren Energy Delivery of Indiaha, Inc. a CenterPoint Energy Company

MM Steven A. Hoover

Regional Director of Gas Engineering

CERTIFICATE OF SERVICE

The undersigned hereby certifies that the foregoing "Verified Petition" was served by electronic mail, upon Jeffrey Reed, the Indiana Office of Utility Consumer Counselor, PNC Center, 115 West Washington Street, Suite 1500 South, Indianapolis, Indiana, 46204, <u>infomgt@oucc.in.gov</u> and <u>jreed@oucc.in.gov</u>.

Dated: October 1, 2020

lather O. Watto

Heather A. Watts Indiana Atty. No. 35482-82

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) RATE DERIVATION FOR THE PERIOD OF JANUARY 1, 2021 THROUGH JUNE 30, 2021

	Rate Schedule		Amount	Projected Customer Count	-	Projected Billing Quantities (therms)	_	(Pe	r Month)	(F	er therm)	Reference
	CSIA Allocated Revenu	le Requi	rement (A)									
1	210	\$	51,879,408	567,845	(E)			\$	7.61			
2	220/229	\$	15,754,071			203,624,327	(E)			\$	0.0774	
3	225	\$	380,291			20,149,474	(E)			\$	0.0189	
4	240	\$	402,184			2,697,763	(E)			\$	0.1491	
5	245	\$	2,195,845			141,118,956	(E)			\$	0.0156	
6	260/270	\$	4,460,909			682,961,220	(E)			\$	0.0065	
7	Total	\$	75,072,708									
	CSIA Allocated EADIT											
8	210	\$	(8,253,567)	567,845	(E)		<i>(</i> -)	\$	(1.21)			
9	220/229	\$	(2,315,680)			203,624,327	(E)			\$	(0.0114)	
10	225	\$	(71,656)			20,149,474	(E)			\$	(0.0036)	
11	240	\$	(45,382)			2,697,763	(E)			\$	(0.0168)	
12	245	\$	(414,410)			141,118,956	(E)			\$	(0.0029)	
13	260/270	\$	(841,957)			682,961,220	(E)			\$	(0.0012)	
14	Total	\$	(11,942,652)									
	Subtotal – Annual Allo			nd EADIT Credit								
15	210	\$	43,625,841					\$	6.40			Line 1 + 8
16	220/229	\$	13,438,391							\$	0.0660	Line 2 + 9
17	225	\$	308,635							\$	0.0153	Line 3 + 10
18	240	\$	356,802							\$	0.1323	Line 4 + 11
19	245	\$	1,781,435							\$	0.0126	Line 5 + 12
20	260/270	\$	3,618,952							\$	0.0053	Line 6 + 13
21	Total	\$	63,130,056									
	CSIA Allocated Variand								(0.10)			
22	210	\$	(530,900)	569,661	(F)	105 071 100		\$	(0.16)	•	(0.0474)	
23	220/229	\$	(2,185,556)			125,671,499	(F)			\$	(0.0174)	
24	225	\$	(1,487)			13,460,465	(F)			\$	(0.0001)	
25	240	\$	73,999			1,579,389	(F)			\$	0.0469	
26	245	\$	170,189			77,601,740	(F)			\$	0.0022	
27	260/270	\$	174,810			343,990,690	(F)			\$	0.0005	
28	Total	\$	(2,298,946)									
20	Total Excluding IURT 210	\$	43,094,940					\$	6.25			Line 15 + 22
29 30	220/229	э \$	11,252,835					φ	0.25	\$	0.0486	Line 16 + 22
30 31	220/229	э \$	307,148							э \$	0.0466	Line 16 + 23 Line 17 + 24
32	225	э \$	430,801							э \$	0.0152	Line 17 + 24 Line 18 + 25
33	240	э \$	1,951,624							э \$	0.0148	Line 19 + 26
33 34	260/270	\$	3,793,762							э \$	0.0058	Line 20 + 27
35	Total	\$	60,831,109									
	Total Including IURT (I))										
36	210	<i>.</i>						\$	6.34			Line 29 / 0.9853
37	220/229							Ŧ		\$	0.0493	Line 30 / 0.9853
38	225									\$	0.0154	Line 31 / 0.9853
39	240									\$	0.1818	Line 32 / 0.9853
40	245									\$	0.0150	Line 33 / 0.9853
41	260/270									\$	0.0059	Line 34 / 0.9853
otos:												

Notes:

(A) (B) (C) (D) (E) (F)

From JCS-4, Schedule 2, Column D + Column F From JCS-4, Schedule 2, Column H From JCS-1, Schedule 2, Page 1, Line 22 – amount to be recovered from or passed back to customers over 6-months. IURT gross up factor of 0.9853 effective January 1, 2021 Based on 2021 budgeted annual customer count and volumes Based on 2020 budgeted semi-annual customer count and volumes

Petitioner's Exhibit No. 6 Attachment JCS-4 Cause No. 44430-TDSIC-13 Vectren North Schedule 2 Page 1 of 1

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) ALLOCATION OF REVENUE REQUIREMENT EXCLUDING VARIANCES

Line	Revenue Requirement
1 Compliance Component - Annual Revenue Requirement	\$ 58,371,557 (A)
2 TDSIC Component - Annual Revenue Requirement	\$ 16,701,151 (B)
3 CSIA Costs to be Recovered	\$ 75,072,708 (C)
4 EADIT Credit Component	\$ (11,942,652) (D)

	Α	В	С		D	E		F	G		н
Line	Rate Schedule	Description	Compliance Allocation Percentage	F	Compliance Allocated Revenue Requirement e 1 x Column C)	TDSIC Allocation Percentage	F	SIC Allocated Revenue Requirement e 2 x Column E)	EADIT Credit Allocation Percentage	Allo	ADIT Credit scated Amount te 4 x Column G)
5	210	Residential Sales Service	69.11%	\$	40,340,583	69.09%	\$	11,538,825	69.11%	\$	(8,253,567)
6	220/229	General Sales Service	19.39%	\$	11,318,245	26.56%	\$	4,435,826	19.39%	\$	(2,315,680)
7	225	School/Government Transportation Service	0.60%	\$	350,229	0.18%	\$	30,062	0.60%	\$	(71,656)
8	240	Interruptible Sales Service	0.38%	\$	221,812	1.08%	\$	180,372	0.38%	\$	(45,382)
9	245	Large General Transportation Service	3.47%	\$	2,025,493	1.02%	\$	170,352	3.47%	\$	(414,410)
10	260/270	Large Volume Transportation Service & Long-term Contract Service	7.05%	\$	4,115,195	2.07%	\$	345,714	7.05%	\$	(841,957)
				\$	58,371,557		\$	16,701,151		\$	(11,942,652)

Notes:

(A) From JCS-1, Schedule 1, Page 1 of 1, Line 1, Col. C
(B) From JCS-1, Schedule 1, Page 1 of 1, Line 2, Col. C
(C) Line 1 + Line 2
(D) From WP JCS-1-2.2 EADIT Credit

Petitioner's Exhibit No. 6 Attachment JCS-4 Cause No. 44430-TDSIC-13 Vectren North Schedule 3 Page 1 of 1

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) PROJECTED RECOVERIES BY MONTH

Line	Rate Schedule		Jar	n-21	Feb	21	Mar-21		Apr-21	м	ay-21	Jun-2	21	Jul-21		Aug-21	Sep-2	1	Oct-	21	No	v-21	D	ec-21	Ar	nnual Total	
	Projections (A)																										
1	210 - Residential Sales Service	Count	5	71,460	57	2,132	571,54	6	570,579		567,994	564	,254	561,627	,	560,683	561	,225	56	4,793	5	72,009		575,833		567,845	12 Mos Avg
2	220/229 - General Sales Service	Therms	44,8	18,803	34,76	4,194	25,143,95	6 1	12,541,762	5,	487,885	2,914	,899	2,713,712	: :	2,808,790	3,524	,393	9,23	4,944	22,3	25,145	37,	345,846		203,624,327	
3	225 - School/Government Transportation Service	Therms	3,2	28,187	3,35	0,583	2,966,39	2	1,939,931	1,	272,367	703	,005	521,538		476,300	596	,164	64	9,168	1,6	19,751	2,	826,088		20,149,474	
4	240 - Interruptible Sales Service	Therms	40	00,792	41	2,645	258,49	7	257,174		153,838	96	,443	79,168		62,435	88	,875	28	4,301	2	74,148		329,447		2,697,763	
5	245 - Large General Transportation Service	Therms	19,9	17,429	14,69	0,068	15,334,41	3 1	12,315,829	8,	014,205	7,329	,796	7,097,914	1 1	7,472,549	7,791	,175	10,78	6,929	15,0	10,671	15,	357,978		141,118,956	
6	260/270 - Large Volume Transportation Service & Long-term Contract Service	Therms	68,3	25,153	57,86	0,523	62,625,29	3 5	55,990,933	50,	422,813	48,765	,973	51,696,513	52	2,306,403	51,475	,043	57,22	5,973	62,8	23,843	63,	442,753		682,961,220	
	Applicable Rates (B)																										
7	210 - Residential Sales Service	Count	\$	6.25	\$	6.25	\$ 6.2	5 \$	6.25	\$	6.25	\$	6.25	\$ 6.40	\$	6.40	\$	6.40	\$	6.40	\$	6.40	\$	6.40			
8	220/229 - General Sales Service	Therms	\$ (0.0486	\$ 0	0486	\$ 0.048	6\$	0.0486	\$	0.0486	\$ 0.0	0486	\$ 0.0660	\$	0.0660	\$ 0.0	660	\$ 0	.0660	\$	0.0660	\$	0.0660			
9	225 - School/Government Transportation Service	Therms	\$ (0.0152	\$ 0	0152	\$ 0.015	2 \$	0.0152	\$	0.0152	\$ 0.0	0152	\$ 0.0153	\$	0.0153	\$ 0.0	153	\$ 0	.0153	\$ (0.0153	\$	0.0153			
10	240 - Interruptible Sales Service	Therms	\$ (0.1791	\$ 0	1791	\$ 0.179	1 \$	0.1791	\$	0.1791	\$ 0.1	1791	\$ 0.1323	\$	0.1323	\$ 0.1	323	\$ 0	1323	\$	0.1323	\$	0.1323			
11	245 - Large General Transportation Service	Therms	\$ (0.0148	\$ 0	0148	\$ 0.014	8 \$	0.0148	\$	0.0148	\$ 0.0	0148	\$ 0.0126	\$	0.0126	\$ 0.0	126	\$ 0	.0126	\$ (0.0126	\$	0.0126			
12	260/270 - Large Volume Transportation Service & Long-term Contract Service	Therms	\$ (0.0058	\$ 0	0058	\$ 0.005	8 \$	0.0058	\$	0.0058	\$ 0.0	0058	\$ 0.0053	\$	0.0053	\$ 0.0	053	\$ 0	.0053	\$	0.0053	\$	0.0053			
	Projected Recoveries																										
13	210 - Residential Sales Service	Line 1 x Line 7	\$ 3,50	69,874	\$ 3,57	4,072	\$ 3,570,40	7\$	3,564,366	\$3,	548,221	\$ 3,524	,856 \$	\$ 3,595,677	\$ 3	3,589,637	\$ 3,593	,108	\$ 3,61	5,947	\$ 3,6			686,628	\$	43,094,940	
14	220/229 - General Sales Service	Line 2 x Line 8	\$ 2,1	78,417	\$ 1,68	9,713	\$ 1,222,12	1 \$	609,592	\$	266,738	\$ 141	,679 3	\$ 179,094	\$	185,369	\$ 232	,596	\$ 60	9,469	\$ 1,4	73,370	\$2,	464,676	\$	11,252,835	
15	225 - School/Government Transportation Service	Line 3 x Line 9	\$ 4	49,090	\$ 5	0,952	\$ 45,10	9 \$	29,500	\$	19,349	\$ 10	,690 3	\$ 7,989	\$	7,296	\$ 9	,132	\$	9,943	\$ 3	24,810	\$	43,288	\$	307,148	
16	240 - Interruptible Sales Service	Line 4 x Line 10	\$	71,786	\$ 7	3,909	\$ 46,30	0\$	46,063	\$	27,554	\$ 17	,274 \$	\$ 10,471	\$	8,258	\$ 11	,754	\$3	7,601	\$	36,258	\$	43,572	\$	430,801	
17	245 - Large General Transportation Service	Line 5 x Line 11	\$ 29	95,111	\$ 21	7,659	\$ 227,20	6\$	182,481	\$	118,744	\$ 108	,604 \$	\$ 89,602	\$	94,331	\$ 98	,353	\$ 13	6,170	\$ 1	89,489	\$	193,874	\$	1,951,624	
18	260/270 - Large Volume Transportation Service & Long-term Contract Service	Line 6 x Line 12	\$ 3	96,771	\$ 33	6,002	\$ 363,67	1 \$	325,145	\$	292,810	\$ 283	,189 3	\$ 273,935	\$	277,167	\$ 272	762	\$ 30	3,235	\$ 3	32,898	\$	336,178	\$	3,793,762	
19	Total Recoveries including variances during first six months		\$ 6,5	61,049	\$ 5,94	2,306	\$ 5,474,81	4 \$	4,757,146	\$4,	273,417	\$ 4,086	,292 3	\$ 4,156,767	'\$4	4,162,057	\$ 4,217	,705	\$ 4,71	2,366	\$ 5,7	18,974	\$6,	768,216	\$	60,831,109	
20	20% Deferred (based on Revenue Requirement piece only)		\$ 21	73 812	\$ 1.94	1 210	\$ 1 759 74	7 ¢	1,486,686	¢ 1	312 503	\$ 1 245	123	\$ 1 238 01/	¢.	1 240 574	\$ 1 256	880	\$ 1.40	2 701	\$ 1.6	99.401	\$ 2	007.325	¢	18,768,177	
20	20% belence (based on nevenue nequitement piece only)		ψ 2,1	10,012	ψ 1,34	+, <u>2</u> 10	ψ 1,755,74	, φ	1,400,000	ψ1,	512,303	ψ 1,240	,423 (φ 1,230,314	φ	1,240,374	ψ 1,230	,000	ψ 1,40	2,701	ψ 1,0	55,401	ψ 2,	007,320	Ψ	10,700,177	

 Notes:

 (A)
 Based on 2021 budgeted annual customer count and volumes

 (B)
 First six months Per JCS-4, Sch 1, Lines 29 - 34. Second six months Per JCS-4, Sch 1, Lines 15 - 20. All rates exclude IURT.

Petitioner's Exhibit No. 6 Attachment JCS-6 Cause No. 44430-TDSIC-13 Vectren North Schedule 1 Page 1 of 1

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. Vectren North

Compliance and System Improvement Adjustment Projected Year-Over-Year Revenue Percentage Change Compliance Projects

					<u>.</u>		Revenue	e Change b	y Rate Sch	edule (4)	
Year	In	vestment (1)	E	xpenses (2)	Total Revenue Change (3)	210	220/229	225	240	245	260/270
2014	\$	56,218,873	\$	7,264,772							
2015	\$	70,030,740	\$	9,759,277	0.69%	0.70%	0.54%	0.68%	0.58%	1.38%	1.51%
2016	\$	64,045,655	\$	11,504,307	1.38%	1.41%	1.08%	1.36%	1.16%	2.76%	3.01%
2017	\$	95,493,095	\$	20,076,388	1.40%	1.43%	1.10%	1.38%	1.18%	2.76%	3.01%
2018	\$	107,880,342	\$	19,864,479	1.57%	1.59%	1.23%	1.54%	1.32%	3.04%	3.31%
2019	\$	65,186,175	\$	16,879,824	1.55%	1.57%	1.22%	1.53%	1.31%	2.97%	3.21%
2020	\$	80,691,799	\$	13,792,078	1.46%	1.48%	1.15%	1.43%	1.24%	2.75%	2.97%

Notes:

(1) Investment as shown in TDSIC-13, Petitioner's Exhibit No. 1, Attachment SAH-3

(2) Expenses as shown in TDSIC-13, Petitioner's Exhibit No. 2, Attachment SJV-3

(3) Based on Total Revenues for the twelve months ended 06/30/2014

(4) Based on Rate Schedule Revenues for the twelve months ended 06/30/2014

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. Vectren North

Compliance and System Improvement Adjustment Projected Year-Over-Year Revenue Percentage Change TDSIC Plan

			-		Revenue	e Change b	y Rate Sch	edule (3)	
Year	In	vestment (1)	Total Revenue Change (2)	210	220/229	225	240	245	260/270
2014	\$	32,916,169							
2015	\$	40,029,771	0.18%	0.18%	0.19%	0.05%	0.43%	0.11%	0.12%
2016	\$	50,803,952	0.55%	0.56%	0.59%	0.16%	1.32%	0.33%	0.36%
2017	\$	20,492,255	0.90%	0.91%	0.96%	0.27%	2.13%	0.53%	0.58%
2018	\$	15,336,328	0.53%	0.54%	0.57%	0.16%	1.24%	0.32%	0.34%
2019	\$	13,021,433	-0.09%	-0.09%	-0.10%	-0.03%	-0.21%	-0.05%	-0.06%
2020	\$	11,381,641	0.28%	0.28%	0.30%	0.08%	0.65%	0.17%	0.18%

Notes:

(1) Investment as shown in TDSIC-13, Petitioner's Exhibit No. 1, Attachment SAH-9

(2) Based on Total Revenues for the twelve months ended 06/30/2014

(3) Based on Rate Schedule Revenues for the twelve months ended 06/30/2014

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) TOTAL ANNUAL REVENUE REQUIREMENT THROUGH JUNE 30, 2020

Line	Description	A = B + C Revenue Requirement Total	B Revenue Requirement 0% Deferred	 C Revenue Requirement 80% Recoverable		Reference
1	Compliance Component - Revenue Requirement	\$ 72,964,447	\$ 14,592,890	\$ 58,371,557	(A)	Attachment JCS-2, Schedule 1, Line 17 & 18
2	TDSIC Component - Revenue Requirement	\$ 20,876,438	\$ 4,175,287	\$ 16,701,151	(B)	Attachment JCS-3, Schedule 1, Line 17 & 18 (C)
3	CSIA Revenue Requirement Subtotal	\$ 93,840,885	\$ 18,768,177	\$ 75,072,708	-	Line 1 + Line 2

Notes: (A) To Attachment JCS-4, Schedule 2, Line 1 (B) To Attachment JCS-4, Schedule 2, Line 2 (C) Pending results from 2% TDSIC Annual Retail Revenue Cap Test from Attachment JCS-3, Schedule 8, amounts shown in Column B and C may vary.

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH

COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) ACTUAL VARIANCES BY RATE SCHEDULE THROUGH JUNE 30, 2020

		A B				с		D	E	F	G	н	
Line	Description						Rate Sche	edule				 Total	Reference
	Actual Recoveries (Inclusive of IURT)		210		220/229		225	24	40	245	260/270		
1	Jan-20	\$	3,047,410	\$	2,182,886	\$	20,983 \$;	22,167	\$ 142,428	\$ 234,779	\$ 5,650,653	(A)
2	Feb-20	\$	2,806,066	\$	1,609,493	\$	20,480 \$		25,164	\$ 139,069	\$ 210,496	\$ 4,810,768	(A)
3	Mar-20	\$	2,673,133	\$	720,689	\$	16,382 \$		27,913	\$ 103,899	\$ 204,268	\$ 3,746,285	(A)
4	Apr-20	\$	2,680,669	\$	440,189	\$	10,670 \$;	25,732	\$ 76,848	\$ 155,594	\$ 3,389,703	(A)
5	May-20	\$	2,679,294	\$	264,904	\$	6,998 \$		11,539	\$ 60,675	\$ 157,329	\$ 3,180,739	(A)
6	Jun-20	\$	2,682,838	\$	143,468	\$	3,867 \$		8,029	\$ 52,236	\$ 152,937	\$ 3,043,373	(A)
7	Total Actual Recoveries Inclusive of IURT	\$	16,569,410	\$	5,361,630	\$	79,380 \$		120,544	\$ 575,155	\$ 1,115,403	\$ 23,821,522	Sum Lines 1-6
	Actual Recoveries (Exclusive of IURT)		210		220/229		225	24	40	245	260/270		
8	Jan-20	\$	3,002,308	\$	2,150,580	\$	20,672 \$		21,839	\$ 140,320	\$ 231,304	\$ 5,567,023	Line 1 x 0.9852
9	Feb-20	\$	2,764,537	\$	1,585,673	\$	20,177 \$		24,791	\$ 137,011	\$ 207,381	\$ 4,739,569	Line 2 x 0.9852
10	Mar-20	\$	2,633,570	\$	710,023	\$	16,140 \$		27,500	\$ 102,362	\$ 201,245	\$ 3,690,840	Line 3 x 0.9852
11	Apr-20	\$	2,640,995	\$	433,675	\$	10,512 \$		25,352	\$ 75,711	\$ 153,291	\$ 3,339,536	Line 4 x 0.9852
12	May-20	\$	2,639,641	\$	260,983	\$	6,895 \$		11,368	\$ 59,777	\$ 155,000	\$ 3,133,664	Line 5 x 0.9852
13	Jun-20	\$	2,643,132	\$	141,345	\$	3,809 \$		7,910	\$ 51,462	\$ 150,673	\$ 2,998,332	Line 6 x 0.9852
14	Total Actual Recoveries Exclusive of IURT	\$	16,324,183	\$	5,282,278	\$	78,205 \$;	118,760	\$ 566,643	\$ 1,098,895	\$ 23,468,964	Sum Lines 8-13
	Approved Recoveries (Exclusive of IURT)		210		220/229		225	24	40	245	260/270		
15	Jan-20	\$	2,640,529	\$	1,113,860	\$	16,719 \$;	48,915	\$ 192,558	\$ 254,505	\$ 4,267,086	(B)
16	Feb-20	\$	2,643,634		851,473	\$	20,341 \$;	50,362	\$ 140,806	213,085	\$ 3,919,700	(B)
17	Mar-20	\$	2,640,923	\$	617,171	\$	17,371 \$;	31,549	\$ 146,465	\$ 233,075	\$ 3,686,554	(B)
18	Apr-20	\$	2,636,455	\$	305,350	\$	11,711 \$		31,387	\$ 116,652	\$ 208,069	\$ 3,309,624	(B)
19	May-20	\$	2,624,513	\$	137,104	\$	6,659 \$		18,775	\$ 73,553	\$ 185,750	\$ 3,046,353	(B)
20	Jun-20	\$	2,607,230	\$	71,762	\$	3,917 \$		11,771	\$ 66,798	\$ 179,222	\$ 2,940,700	(B)
21	Total Approved Recoveries Exclusive of IURT	\$	15,793,283	\$	3,096,721	\$	76,717 \$		192,759	\$ 736,832	\$ 1,273,705	\$ 21,170,017	Sum Lines 15-20
22	Total Variance (C)	\$	(530,900)	\$	(2,185,556)	\$	(1,487) \$;	73,999	\$ 170,189	\$ 174,810	\$ (2,298,946)	Line 21 - Line 14
	Under/(Over) Becovery	-											

Under/(Over) Recovery

Notes: (A) Actual Recoveries represent billed CSIA revenues from the Company's customer billing system by month and by Rate Schedule. (B) See Attachment JCS-1, Schedule 2, Page 2.

Based on prior CSIA approvals - adjusted for allocation changes made to TDSIC-10.

(C) To Attachment JCS-4, Schedule 1, Lines 22-27

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) ADJUSTMENTS TO APPROVED RECOVERIES BY RATE SCHEDULE THROUGH JUNE 30, 2020

		А	в	с		D	E	F	G	н
Line	Description			Rate S	ched	ule			Total	Reference
	Approved Recoveries (Exclusive of IURT)	210	220/229	225		240	245	260/270		
1	Jan-20	\$ 2,640,529	\$ 1,113,860	\$ 16,719	\$	48,915	\$ 192,558 \$	254,505	\$ 4,267,086	(A)
2	Feb-20	\$ 2,643,634	\$ 851,473	\$ 20,341	\$	50,362	\$ 140,806 \$	213,085	\$ 3,919,700	(A)
3	Mar-20	\$ 2,640,923	\$ 617,171	\$ 17,371	\$	31,549	\$ 146,465 \$	233,075	\$ 3,686,554	(A)
4	Apr-20	\$ 2,636,455	\$ 305,350	\$ 11,711	\$	31,387	\$ 116,652 \$	208,069	\$ 3,309,624	(A)
5	May-20	\$ 2,624,513	\$ 137,104	\$ 6,659	\$	18,775	\$ 73,553 \$	185,750	\$ 3,046,353	(A)
6	Jun-20	\$ 2,607,230	\$ 71,762	\$ 3,917	\$	11,771	\$ 66,798 \$	179,222	\$ 2,940,700	(A)
7	Total Approved Recoveries (Exclusive of IURT)	\$ 15,793,283	\$ 3,096,721	\$ 76,717	\$	192,759	\$ 736,832 \$	1,273,705	\$ 21,170,017	Sum Lines 1-6

Notes: (A) Based on prior CSIA approvals - TDSIC-11, Attachment JCS-4 (Revised), Schedule 3

Petitioner's Exhibit No. 3 Attachment JCS-1 Cause No. 44430-TDSIC-13 Vectren North Schedule 3 Page 1 of 2

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) REVISED EXCESS ACCUMULATED DEFERRED INCOME TAX ("EADIT") LIABILITY As of December 31, 2017

		Originating FERC		
Line	Component	Account		Vectren North - Gas
1	Unbilled Revenue	190	\$	-
2	Property Taxes	190	\$	775,615
3	Bad Debts	190	\$	252,573
4	Accrued Vacation	190		-
5	Capitalized Gas Inventory in Lines	190	\$ \$	-
6	Record Sec. 263A CAP Costs	190	\$	61,631
7	Refund Gas Costs Collected under GCA & FAC	283	\$	(3,491,812)
8	Coal Inventory	283	\$	-
9	Prepaid Insurance	283	\$	(150,243)
10	Construction Deposits	190	\$ \$ \$	385,791
11	FASB 106 Costs	190	\$	1,459,528
12	MGP Reserve Net of Insurance	190	\$	177.003
13	Reverse Exec Restr Stock Accr	190	\$ \$	843,424
14	Deferred Comp/Long-term Incentive Plan	190	\$	1,834,490
15	Prepaid Ohio Excise Tax	190	\$	-
16	Amortization of Debt Expense	283	\$	(532,258)
17	Amortization of Premium on Reacquired Debt	283	\$	-
18	Amortization of Rate Case Expense	283	\$ \$ \$ \$ \$	-
19	Def Debits/Reg Assets	283	\$	(4,301,469)
20	Amortization of Hedging Costs/Losses	283	\$	(524,254)
21	Interest on prepaid OH Excise	283	\$	-
22	Pension Expense in Excess of Tax	283	\$	(3,551,642)
23	Cap Interest- CWIP	190	\$	(51,350)
24	AFUDC CWIP (non-protected)	282	\$	(1,599,238)
25	Depreciation Related (protected)	282	\$	(75,522,569)
26	Repairs (non-protected)	282	\$	(16,099,947)
27	Total		\$	(100,034,727)
28	FERC 190	190	\$	5,738,706
29	FERC 282	282	\$	(93,221,754)
30	FERC 283	283	\$	(12,551,679)
31	Total		\$	(100,034,727)
32	Protected	[Line 25]	\$	(75,522,569)
33	Unprotected	[Line 27 - Line 32]	\$	(24,512,158)
34	Total		\$	(100,034,727)
			Ŧ	(,)

Petitioner's Exhibit No. 3 Attachment JCS-1 Cause No. 44430-TDSIC-13 Vectren North Schedule 3 Page 2 of 2

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) REVISED EXCESS ACCUMULATED DEFERRED INCOME TAX ("EADIT") LIABILITY AMORTIZATION As of December 31, 2017

L'a a	Amortization Period		ARAM Defined		10-Years		Total Excess
Line	Year	^	Protected	•	Unprotected		Deferred Credit
1	2018	\$	(5,625,518)	\$	(2,451,216)	\$ ¢	(8,076,734)
2	2019	\$	(5,621,088)	\$	(2,451,216)	\$	(8,072,303)
3	2020	\$	(5,623,781)	\$	(2,451,216)	\$	(8,074,997)
4	2021	\$	(5,963,443)	\$	(2,451,216)	\$	(8,414,659)
5	2022	\$	(6,253,060)	\$	(2,451,216)	\$	(8,704,276)
6	2023	\$	(6,617,484)	\$	(2,451,216)	\$	(9,068,700)
7	2024	\$	(6,520,890)	\$	(2,451,216)	\$	(8,972,106)
8	2025	\$	(6,422,567)	\$	(2,451,216)	\$	(8,873,783)
9	2026	\$	(6,580,118)	\$	(2,451,216)	\$	(9,031,334)
10	2027	\$	(5,579,833)	\$	(2,451,216)	\$	(8,031,049)
11	2028	\$	(988,903)	\$	-	\$	(988,903)
12	2029	\$	(243,748)	\$	-	\$	(243,748)
13	2030	\$	(301,321)	\$	-	\$	(301,321)
14	2031	\$	(431,196)	\$	-	\$	(431,196)
15	2032	\$ \$	(666,045)	\$	-	\$	(666,045)
16	2033	\$	(823,498)	\$	-	\$	(823,498)
17	2034	\$ \$	(846,347)	\$	-	\$	(846,347)
18	2035		(870,613)	\$	-	\$	(870,613)
19	2036	\$	(898,387)	\$	-	\$	(898,387)
20	2037	\$	(918,837)	\$	-	\$	(918,837)
21	2038	\$	(924,170)	\$	-	\$	(924,170)
22	2039	\$ \$	(916,987)	\$	-	\$ \$	(916,987)
23	2040		(912,998)	\$	-	\$	(912,998)
24	2041	\$	(922,383)	\$	-	\$	(922,383)
25	2042	\$	(943,832)	\$	-	\$	(943,832)
26	2043	\$ \$ \$	(943,792)	\$	-	\$	(943,792)
27	2044	\$	(953,773)	\$	-	\$	(953,773)
28	2045	\$	(956,199)	\$	-	\$	(956,199)
29	2046	\$	(251,758)	\$	-	\$	(251,758)
30	2047	\$	-	\$	-	\$	-
31	2048	\$	-	\$	-	\$	-
32	2049	\$	-	\$	-	\$	-
33	2050	\$	-	\$	-	\$	-
34	2051	\$	-	\$	-	\$	-
35	2052	\$	-	\$	-	\$	-
36	2053	\$	-	\$	-	\$	-
37	2054	\$	-	\$	-	\$	-
38	2055	\$	-	\$	-	\$	-
39	Total	\$	(75,522,569)	\$	(24,512,158)	\$	(100,034,727)

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. **VECTREN NORTH** COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMBINED COMPLIANCE AND TDSIC COMPONENT ANNUAL REVENUE REQUIREMENT THROUGH JUNE 30, 2020

Line	Description	Compl	ance Component	TDS	SIC Component		Total Amount	
1 2 3 4 5	Return on New Capital Investment: Gross New Capital Investment - As of End of Period Accumulated Depreciation - As of End of Period Net New Capital Investment - As of End of Period New Capital Investment CWIP - As of End of Period PISCC Deferred Balance - As of End of Period	\$ \$ \$ \$ \$	450,645,584 (25,592,189) 425,053,395 21,569,755 18,815,623	\$ \$ \$ \$	162,619,567 (9,495,257) 153,124,310 3,154,331 7,002,018	\$ \$ \$ \$	613,265,151 (35,087,446) 578,177,705 24,724,086 25,817,642	
6	Total New Capital Investment - As of End of Period	\$	465,438,773	\$	163,280,659	\$	628,719,433	
7	Pre-Tax Rate of Return		8.17%		8.37%			
8	Annualized Return on New Capital Investment	\$	38,026,348	\$	13,666,591	\$	51,692,939	(B)
9	Incremental Expenses: Property Tax Expense - Annualized	\$	3,296,416	\$	1,178,431	\$	4,474,847	
10	Depreciation Expense - Annualized	\$	15,278,147	\$	5,611,226	\$	20,889,373	
11	Amortization Expense - Deferred Incremental O&M Expense	\$	15,331,202	\$	-	\$	15,331,202	
12	Amortization Expense - Deferred Depreciation	\$	355,276	\$	147,571	\$	502,847	
13	Amortization Expense - Deferred PISCC	\$	686,840	\$	272,619	\$	959,459	
14	Total Incremental Expenses	\$	34,947,881	\$	7,209,847	\$	42,157,728	
15	Margin Netting: Reduction of Margins from New Snow & Ogden Customers	\$	(9,782)	\$	-	\$	(9,782)	
16	Annual Revenue Requirement - Compliance and TDSIC Components	\$	72,964,447	\$	20,876,438	\$	93,840,885	
17	Recoverable Compliance and TDSIC Components within CSIA (80%)	\$	58,371,557	\$	16,701,151	\$	75,072,708	(A)
18	To Be Deferred (20%)	\$	14,592,890	\$	4,175,287	\$	18,768,177	

Notes:

For accounting purposes only, the collection of 80% of the revenue requirement will cover in order of priority the full return on the investments [Line 8 - \$51,692,939], including the full equity and debt return, and then eligible operating expenses [Line 17 less Line 8 - \$23,379,769]. The collection priority will not impact the total amount authorized by the Commission for immediate recovery in the CSIA [Line 17 - \$75,072,708], nor the amount deferred and authorized for future recovery in a base rate proceeding [Line 18 - \$18,768,177]. (A)

(B)	Equity Return - Compliance Component Equity Return - TDSIC Component	\$ \$	30,718,959 11,184,725
	Total Equity Return - Pre-Tax	\$	41,903,684
	Debt Return - Compliance Component	\$	7,307,389
	Debt Return - TDSIC Component	\$	2,481,866
	Total Debt Return	\$	9,789,255

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMPLIANCE COMPONENT ANNUAL REVENUE REQUIREMENT THROUGH JUNE 30, 2020

Line	Description		Total Amount	Reference	_
1 2 3	Return on New Capital Investment: Gross New Capital Investment - As of End of Period Accumulated Depreciation - As of End of Period Net New Capital Investment - As of End of Period	\$ \$ \$	450,645,584 (25,592,189) 425,053,395	Schedule 2, Line 18, Col. G Schedule 2, Line 42, Col. G Line 1 + Line 2	
4	New Capital Investment CWIP - As of End of Period	\$	21,569,755	Schedule 2, Line 48, Col. G	
5	PISCC Deferred Balance - As of End of Period	\$	18,815,623	Schedule 3, Line 28, Col. G	
6	Total New Capital Investment - As of End of Period	\$	465,438,773	Line 3 + Line 4 + Line 5	
7	Pre-Tax Rate of Return		8.17%	Schedule 4, Page 1, Line 17	
8	Annualized Return on New Capital Investment	\$	38,026,348	Line 6 x Line 7	
	L				
9	Incremental Expenses: Property Tax Expense - Annualized	\$	3,296,416	(Line 1 x 0.72%) + (Line 4 x 0.24%)	(A)
10	Depreciation Expense - Annualized	\$	15,278,147	Schedule 5, Line 17	
11	Amortization Expense - Deferred Incremental O&M Expense	\$	15,331,202	Schedule 8, Line 5	
12	Amortization Expense - Deferred Depreciation	\$	355,276	Schedule 6, Line 18	
13	Amortization Expense - Deferred PISCC	\$	686,840	Schedule 3, Line 34	
14	Total Incremental Expenses	\$	34,947,881	Sum Lines 9-13	
15	Margin Netting: Reduction of Margins from New Snow & Ogden Customers - As of End of Period	\$	(9,782)	Schedule 10, Line 5, Col. H	(C)
16	Annual Revenue Requirement - Compliance Component	\$	72,964,447	Line 8 + Line 14 + Line 15	
17	Recoverable Compliance Component of CSIA (80%)	\$	58,371,557	Line 16 x 80%	(B)
18	To Be Deferred (20%)	\$	14,592,890	Line 16 x 20%	(B)

Notes:

-

(A) The annualized level of property taxes is calculated using an estimated Vectren North rate of 2.40% multiplied by the tax basis of the: (1) plant, estimated to be 30% of the gross new capital investment amount, and (2) CWIP, estimated to be 10% of the new capital investment CWIP amount.

(B) To Attachment JCS-1, Schedule 1, Line 1

(C) Commission's Order in Cause No. 44563, page 11, Net margins should represent a deduction to the Compliance Component revenue requirement, with 80% of the margins credited immediately to the CSIA and 20% of the margins credited against the deferral to be recovered in Vectren North's next base rate case.

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMPLIANCE COMPONENT NEW CAPITAL INVESTMENT

			Α		В	с		D	Е	F	G
Line	Gross New Capital Investment		Balance at 12/31/2019		1/31/2020	2/29/2020		3/31/2020	4/30/2020	5/31/2020	Balance at 6/30/2020
Line	Gross Assets		12/31/2019		1/31/2020	2/29/2020		3/31/2020	4/30/2020	5/31/2020	0/30/2020
4	Transmission	\$	140,165,975	¢	139,904,640 \$	140,151,639	¢	141,727,081 \$	140,675,077 \$	140,691,786 \$	141 452 740
1 2	Distribution	э \$	297.220.169		299,454,751 \$	301,929,747		306,535,625 \$			
2		э \$				301,929,747					
	Distribution - IEDC			\$	- \$	-	\$	- \$			
4	Underground Storage	\$,,	\$	2,167,537 \$	2,226,101		2,639,703 \$			
5	General	\$	312,178		312,178 \$		\$	312,178 \$	312,178 \$		
6	Total Gross Assets	\$	440,235,096	\$	441,839,107 \$	444,619,666	\$	451,214,587 \$	452,582,682 \$	453,222,373 \$	461,731,635
	Retirements										
7	Transmission	\$	(769,244)		(769,244) \$	(769,244)		(769,244) \$	(769,244) \$		
8	Distribution	\$	(9,599,788)		(9,616,890) \$	(9,664,397)		(9,902,655) \$			
9	Distribution - IEDC	\$		\$	- \$		\$	- \$			
10	Underground Storage	\$	(81,051)		(81,051) \$	(81,051)		(81,051) \$			(84,051)
11	General	\$		\$	- \$	-	\$	- \$	- \$	- \$	-
12	Total Retirements	\$	(10,450,083)	\$	(10,467,185) \$	(10,514,692)	\$	(10,752,950) \$	(10,798,553) \$	(10,798,553) \$	(11,086,050)
	Gross New Capital Investment										
13	Transmission	\$	139,396,732	\$	139,135,397 \$	139,382,395	\$	140,957,837 \$	139,905,833 \$	139,922,542 \$	140,683,496
14	Distribution	\$	287,620,381	\$	289,837,860 \$	292,265,350	\$	296,632,970 \$	298,955,711 \$	299,578,694 \$	306,272,537
15	Distribution - IEDC	\$		\$	- \$	-	\$	- \$	- \$	- \$	-
16	Underground Storage	\$	2,455,722	\$	2,086,486 \$	2,145,050	\$	2,558,652 \$	2,610,407 \$	2,610,407 \$	3,377,374
17	General	\$	312,178	\$	312,178 \$	312,178	\$	312,178 \$	312,178 \$	312,178 \$	312,178
18	Total Gross New Capital Investment	\$	429,785,013	\$	431,371,921 \$	434,104,974	\$	440,461,637 \$		442,423,821 \$	
	= (Gross Assets + Retirements)		-,,			- , - ,-		-, - , ,	, - ,		chedule 1, Line 1
Line	Accumulated Depreciation Balance		Balance at 12/31/2019		1/31/2020	2/29/2020		3/31/2020	4/30/2020	5/31/2020	Balance at 6/30/2020
	Depreciation Expense										
19	Transmission	\$	9,625,510	\$	9,957,429 \$	10,289,388	\$	10,623,768 \$	10,959,002 \$	11,292,847 \$	11,627,547
20	Distribution	\$	29,262,158	\$	30,168,360 \$	31,081,276	\$	32,005,172 \$	32,939,513 \$	33,877,845 \$	34,828,174
21	Distribution - IEDC	\$		\$	- \$	-	\$	- \$	- \$	- \$	
22	Underground Storage	\$	54,159	\$	61.007 \$	67.401	\$	74.484 \$	82,246 \$	90,083 \$	99,043
23	General	\$		\$	37,053 \$	38,135	\$	39,217 \$			
24	Total Depreciation Expense	\$		\$	40,223,849 \$		\$	42,742,642 \$	44,021,060 \$		46,597,228
		•		-		,,	-	,, +	,, +	,,	,,
	Retirements										
25	Transmission	\$	(769,244)	\$	(769,244) \$	(769,244)	\$	(769,244) \$	(769,244) \$	(769,244) \$	(769,244)
26	Distribution	\$	(9,599,788)	\$	(9,616,890) \$	(9,664,397)	\$	(9,902,655) \$	(9,948,258) \$	(9,948,258) \$	(10,232,755)
27	Distribution - IEDC	\$		\$	- \$	-	\$	- \$			
28	Underground Storage	\$	(81,051)		(81,051) \$	(81,051)		(81,051) \$			
29	General	Ŝ		\$	- \$	-	ŝ	- \$	- \$	- \$	-
30	Total Retirements	\$	(10,450,083)	\$	(10,467,185) \$	(10,514,692)	ŝ	(10,752,950) \$	(10,798,553) \$	(10,798,553) \$	(11,086,050)
00		Ŷ	(10,100,000)	Ψ	(10,101,100) \$	(10,011,002)	Ŷ	(10,102,000) \$	(10,100,000) \$	(10,100,000) \$	(11,000,000)
	Cost of Removal										
31	Transmission	\$	3,967,219	\$	3,947,290 \$	3,997,540	\$	4,035,767 \$	4,047,928 \$	4,058,464 \$	4,102,482
32	Distribution	Ŝ	5,149,149		5,219,692 \$	5,295,042		5,431,804 \$			
33	Distribution - IEDC	ŝ		\$	- \$	0,200,012	ŝ	- \$			
34	Underground Storage	\$		\$	66,824 \$	66,824	\$	66,825 \$	•		
35	General	ŝ		\$	- \$	00,024	\$	00,020 ¢	- \$	- \$	14,020
36	Total Cost of Removal	\$	9,183,190		9,233,805 \$	9,359,406		9,534,396 \$	7		9,918,989
30		Φ	9,100,190	φ	७,∠00,000 ⊅	5,009,400	φ	J,JJ4,J90 D	3,040,720 Þ	a,108,0∠0 \$	3,310,303
	Total Accumulated Depreciation Balance										
37	Transmission	\$	(4,889,047)	¢	(5,240,896) \$	(5,522,605)	¢	(5,818,757) \$	(6,141,830) \$	(6,465,139) \$	(6,755,821)
38	Distribution	э \$	(14,513,221)		(15,331,778) \$	(16,121,837)		(16,670,713) \$			
39	Distribution - IEDC	э \$		թ \$	(15,551,776) \$	(10,121,037)	э \$	(10,070,713) \$			
39 40		ֆ Տ					э \$	- 5 73,392 \$			
	Underground Storage			\$							59,633
41 42	General Total Accumulated Depresention Balance	\$ \$	(35,971)		(37,053) \$	(38,135)		(39,217) \$			
42	Total Accumulated Depreciation Balance		(19,344,526)	φ	(20,522,859) \$	(21,602,103)	Þ	(22,455,296) \$	(23,576,784) \$	(24,714,080) \$ To S	

64,976 \$ (41,381) \$ (42,463) (24,714,080) \$ (25,592,189) To Schedule 1, Line 2

Line	CWIP Balance		Balance at 6/30/2020
43	Transmission	\$	10,746,173
44	Distribution	\$	10,258,885
45	Distribution - IEDC	\$	-
46	Underground Storage	\$	564,697
47	General	\$	-
48	Total CWIP Balance	\$	21,569,755
		To Sch	hedule 1, Line 4

= - Depreciation Expense - Retirements + Cost of Removal

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMPLIANCE COMPONENT

Line	Description	Reference	-	Α	в		с		D		E	F		G
1	PISCC Rate - Monthly	Schedule 4, Page 2, Line 5 / 12			0.54%		0.54%		0.54%	(0.54%	0.54%		0.54%
2	Debt - PISCC Rate - Monthly	Schedule 4, Page 2, Lines 1,3-4 / 12			0.13%		0.13%		0.13%		0.13%	0.13%		0.13%
3	Equity - PISCC Rate - Monthly	Schedule 4, Page 2, Line 2 / 12			0.41%		0.41%		0.41%		0.41%	0.41%		0.41%
4	Transmission Amortization Rate - Monthly (A)	Schedule 6, Line 8 / 12			0.25%		0.25%		0.25%	().25%	0.25%		0.25%
5	Distribution Amortization Rate - Monthly (A)	Schedule 6, Line 9 / 12			0.30%		0.30%		0.30%	(0.30%	0.30%		0.30%
6	Distribution - IEDC Amortization Rate - Monthly (A)	Schedule 6, Line 10 / 12			0.30%		0.30%		0.30%		0.30%	0.30%		0.30%
7	Underground Storage Amortization Rate - Monthly (A)	Schedule 6, Line 11 / 12			0.32%		0.32%		0.32%		0.32%	0.32%		0.32%
8	General Amortization Rate - Monthly (A)	Schedule 6, Line 12 / 12			0.33%		0.33%		0.33%	(0.33%	0.33%		0.33%
	PISCC Cummulative Deferred Balance - DEBT			Balance at 12/31/2019	1/31/2020		2/29/2020	3	/31/2020	4/3	30/2020	5/31/2020		Balance at 6/30/2020
9	Transmission	(B)	\$	1,653,982 \$	1,670,214	. \$	1,686,436	\$	1,703,858	\$	1,721,625	\$ 1,738,710	\$	1,756,307
10	Distribution	(B)	\$	3,862,001 \$	3,902,619	\$	3,946,338	\$	3,994,718	\$	4,047,690	\$ 4,102,631	\$	4,162,576
11	Distribution - IEDC	(B)	\$	- \$	-	\$		\$		\$		\$ -	\$	-
12	Underground Storage	(B)	\$	15,223 \$	16,481	\$	17,534	\$	18,897	\$	20,567	\$,	\$	24,482
13	General	(B)	\$	4,743 \$	4,719			\$	1	\$		\$ 1-	\$	4,597
14	PISCC Deferred Balance		\$	5,535,950 \$	5,594,033	\$	5,655,002	\$	5,722,144	\$	5,794,528	\$ 5,868,234	\$	5,947,962
	PISCC Cummulative Deferred Balance - EQUITY			Balance at 12/31/2019	1/31/2020		2/29/2020	3	/31/2020	4/;	30/2020	5/31/2020		Balance at 6/30/2020
15	Transmission	(B)	\$	3,978,334 \$	4,029,084	\$	4,079,805	\$	4,134,277	\$	4,189,826	\$ 4,243,244	\$	4,298,263
16	Distribution	(B)	\$	9,024,155 \$	9,151,152	\$	9,287,842	\$	9,439,107	\$	9,604,727	\$ 9,776,505	\$	9,963,928
17	Distribution - IEDC	(B)	\$	- \$	-	\$	-	\$	-	\$		\$ -	\$	-
18	Underground Storage	(B)	\$	40,521 \$	44,453	\$	47,744	\$	52,008	\$	57,229	\$ 62,557	\$	69,470
19	General	(B)	\$	11,690 \$	11,614			\$	11,461	\$	11,384	\$ 11,308	\$	11,232
20	PISCC Deferred Balance		\$	13,054,701 \$	13,236,302	\$	13,426,928	\$	13,636,852	\$ 1	3,863,167	\$ 14,093,614	\$	14,342,893
				Balance at										Balance at
	PISCC Cumulative Deferred Balance - DEBT + EQUITY			12/31/2019	1/31/2020		2/29/2020	3	/31/2020	4/3	30/2020	5/31/2020		6/30/2020
21	Transmission	Line 9 + Line 15	\$	5,632,316 \$	5,699,298		- / /		5,838,135	•	5,911,451	5,981,954		6,054,570
22	Distribution	Line 10 + Line 16	\$	12,886,157 \$	13,053,771							\$	\$	14,126,504
23	Distribution - IEDC	Line 11 + Line 17	\$	- \$	-	\$		\$		\$		\$	\$	-
24	Underground Storage	Line 12 + Line 18	\$	55,745 \$	60,933			\$	- 1	\$	1	\$ - 1	\$	93,952
25	General	Line 13 + Line 19	\$	16,433 \$	16,332			\$	- 1 -	\$		\$ 15,929		15,828
26	PISCC Deferred Balance	Sum Lines 21-25	\$	18,590,651 \$	18,830,335	\$	19,081,930	\$	19,358,996	\$ 1	9,657,694	\$ 19,961,847	\$	20,290,855
27	Less: Amortization of PISCC	(C)	\$	(1,182,516) \$	(1,231,302	:) \$	(1,280,088)	\$	(1,328,874)	\$	(1,377,660)	\$ (1,426,446)	\$	(1,475,232)
28	Total PISCC Deferred Balance	Line 26 + Line 27	\$	17,408,135 \$	17,599,033	\$	17,801,843	\$	18,030,122	\$ 1	8,280,035	\$ 18,535,402	\$	18,815,623
												т	o Sc	hedule 1, Line 5
	Annualized Amortization Expense													
29	Transmission	Line 4 x Line 21 x 12											\$	178,076
30	Distribution	Line 5 x Line 22 x 12											\$	504,518
31	Distribution - IEDC	Line 6 x Line 23 x 12											\$	-
32	Underground Storage	Line 7 x Line 24 x 12											\$	3,614
33	General	Line 8 x Line 25 x 12											\$	633
34	Total Amortization Expense	Sum Lines 29-33											\$	686,840
												То	Sch	edule 1, Line 13

(A) Based on Amortization Life of Plant as of December 31, 2013. Annual depreciation rate is 1 divided by Number of Years, as shown on Attachment JCS-2, Schedule 6.
 (B) Calculated as the PISCC rates (lines 2 & 3) multiplied by the monthly PISCC eligible balances. PISCC eligible balances are based on the gross plant placed in service not yet captured for recovery in the CSIA.
 (C) Amortization of approximately \$48,786 per month beginning in January 2020 is based on annualized amortization expense of \$585,432 from TDSIC-11, Attachment JCS-2 (Revised), Schedule 3, Line 34.

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMPLIANCE COMPONENT PRE-TAX RATE OF RETURN AND AFTER TAX PISCC RATE AT DECEMBER 31, 2019

		A	В	С	D = B x C
Line	After-Tax (A)	unt (\$000's)	Weighting	Cost	WACC
1	Debt	\$ 474,873	31.66%	4.87%	1.54%
2	Equity	\$ 728,182	48.54%	10.20%	4.95%
3	Cost Free Capital	\$ 270,233	18.01%	0.00%	0.00%
4	Other	\$ 26,820	1.79%	1.50%	0.03%
5	Total	\$ 1,500,108			6.52% (B)
					To Schedule 9, Line 2
	Pre-Tax Equity Component Calculation				
6	After-Tax Cost of Equity per Line 2	4.95%		Line 2, Col. D	
7	One		100.00%		
8	Less: Current State Tax Rate		5.075%	(C)	
9	Federal Taxable		94.93%	Line 7 - Line 8	
10	One Less Federal Income Tax		79.00%	1 - 21%	
11	Effective Gross-Up Factor		74.99%	Line 9 x Line 10	
12	Pre-Tax Equity	6.60%		Line 6 / Line 11	
	Forecast - Adjusted ROR (fixed ROE)				
	Pre-Tax				
13	Debt			1.54%	from Line 1
14	Equity			6.60%	from Line 12
15	Cost Free Capital			0.00%	from Line 3
16	Other			0.03%	from Line 4
17	Total Pre-Tax Rate of Return			8.17%	Sum Lines 13-16
			Т	o Schedule 1, Line 7	

(A) All data in Lines 1 through 5 are per Order in most recent TDSIC Case, Cause No. 44430-TDSIC-12

(B)	Proof	Equity	D	ebt and Other	Total	
18	Total New Capital Investment	\$ 465,438,773	\$	465,438,773		from Schedule 1, Line 6
19	Pre-Tax Return	6.60%		1.57%		from Lines 13-16
20	Return	\$ 30,722,748	\$	7,307,389		Line 18 x Line 19
21	State Tax	\$ 1,559,179				5.075% x Line 20
22	Federal Taxable Return	\$ 29,163,569	\$	7,307,389		Line 20 - Line 21
23	Federal Tax	\$ 6,124,349				Line 22 x 21%
24	After Tax Return \$	\$ 23,039,219	\$	7,307,389	\$ 30,346,608	Line 20 - Lines 21 and 23
25	After-Tax Rate of Return				6.52% equals Line 5	Line 24 / Line 18

(C) Represents a blended State Tax Rate:

- January 1, 2021 - December 31, 2021 @ 5.075% - Based on 5.250% @ January 1, 2021 and 4.900% @ July 1, 2021

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMPLIANCE COMPONENT AFTER TAX PISCC RATE AT JUNE 30, 2019

			Α	В	С	D = B x C
Line	After-Tax (A)	Amou	<u>nt (\$000's)</u>	Weighting	Cost	WACC
1	Debt	\$	454,873	31.19%	4.94%	1.54%
2	Equity	\$	706,064	48.42%	10.20%	4.94%
3	Cost Free Capital	\$	271,638	18.63%	0.00%	0.00%
4	Other	\$	25,652	1.76%	2.50%	0.04%
5	Total	\$	1,458,228			6.52%

(A) All data in Lines 1 through 5 represent the actual balances as of June 30, 2019 (as presented in TDSIC-12 filing on JCS-R3, Sch 4, Pg 2).

Petitioner's Exhibit No. 3 Attachment JCS-2 Cause No. 44430-TDSIC-13 Vectren North Schedule 5 Page 1 of 1

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMPLIANCE COMPONENT ANNUALIZED DEPRECIATION EXPENSE ON NEW CAPITAL INVESTMENT

Line	Description		Balance at 6/30/2020	Reference
	Depreciable In-Service Balance			
1	Transmission	\$	140,683,496	Schedule 2, Line 13, Col. G
2	Distribution	\$	306,272,537	Schedule 2, Line 14, Col. G
3	Distribution - IEDC	\$	-	Schedule 2, Line 15, Col. G
4	Underground Storage	\$ \$ \$	3,377,374	Schedule 2, Line 16, Col. G
5	General	\$	312,178	Schedule 2, Line 17, Col. G
6	Total	\$	450,645,584	Sum Lines 1-5
	Monthly Depreciation Rates			
7	Transmission		0.24%	(A)
8	Distribution		0.30%	(A)
9	Distribution - IEDC		0.00%	(B)
10	Underground Storage		0.29%	(A)
11	General		0.35%	(A)
	Annualized Depreciation Expense			
12	Transmission	\$	4,005,295	Line 1 x Line 7 x 12
13	Distribution	\$	11,141,816	Line 2 x Line 8 x 12
14	Distribution - IEDC	Š	-	Line 3 x Line 9 x 12
15	Underground Storage	¢ ¢	118,052	Line 4 x Line 10 x 12
16	General	\$\$\$\$	12,986	Line $5 \times \text{Line} 11 \times 12$
17	Total Annualized Depreciation Expense	\$	15,278,147	Sum Lines 12-16
17	Total Annualized Depreciation Expense	Ŧ		Sum Lines 12-10
		To S	chedule 1, Line 10	

(A) Current average of authorized depreciation rates. Supporting work papers will show a detailed calculation of depreciation rates by class of plant.

(B) Reflects no plant additions through current period for class of plant.

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMPLIANCE COMPONENT AMORTIZATION OF DEFERRED DEPRECIATION

			Α		в		С		D		Е		F	G
Line	Description		Balance at 12/31/2019		1/31/2020		2/29/2020		3/31/2020	4/30/2020		5/31/2020		Balance at 6/30/2020
	Deferred Depreciation Balance (A)													
1	Transmission	\$	2,493,158	\$ 2	2,522,224	\$	2,551,330	\$	2,582,857	\$	2,615,238	\$	2,646,229	\$ 2,678,077
2	Distribution	\$	7,032,636	\$ 7	7,119,431	\$	7,212,825	\$	7,316,730	\$	7,430,592	\$	7,548,352	\$ 7,677,649
3	Distribution - IEDC	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -
4	Underground Storage	\$	30,026	\$	32,563	\$	34,646	\$	37,418	\$	40,868	\$	44,394	\$ 49,038
5	General	\$	10,534	\$	10,534	\$	10,534	\$	10,534	\$	10,534	\$	10,534	\$ 10,534
6	Less: Amortization of Deferrals (B)	\$	(582,586)	\$	(607,752)	\$	(632,917)	\$	(658,083)	\$	(683,248)	\$	(708,413)	\$ (733,579)
7	Total Deferred Depreciation Balance	\$	8,983,767	\$ 9	9,076,999	\$	9,176,417	\$	9,289,455	\$	9,413,984	\$	9,541,095	\$ 9,681,718
	Depreciation Rates (C)													
8	Transmission													2.94%
9	Distribution													3.57%
10	Distribution - IEDC													3.57%
11	Underground Storage													3.85%
12	General													4.00%
	Deferred Depreciation Amortization Expe	ense												
13	Transmission										Li	ne	1 x Line 8	\$ 78,767
14	Distribution										Li	ne	2 x Line 9	\$ 274,202
15	Distribution - IEDC										Lin	e 3	3 x Line 10	\$ -

	To Sch	nedul	le 1, Line 12
Deferred Depreciation Amortization Expense	Sum Lines 13-17	\$	355,276
General	Line 5 x Line 12	\$	421
Underground Storage	Line 4 x Line 11	\$	1,886
Distribution - IEDC	Line 3 x Line 10	\$	-

(A) Calculated by taking the gross new plant investment, less retirements, placed in-service but not yet included in CSIA recovery.

(B) Amortization of approximately \$25,165 per month beginning in January 2020 is based on annualized amortization expense of \$301,984 from TDSIC-11, Attachment JCS-2 (Revised), Schedule 6, Line 18.

 (C) Based on Amortization Life of Plant as of December 31, 2013. Annual depreciation rate is 1 divided by Number of Years. Transmission - 34 years

Transmission - 34 years Distribution - 28 years Distribution - IEDC - 28 years Underground Storage - 26 years General - 25 years

16 17 18

Petitioner's Exhibit No. 3 Attachment JCS-2 Cause No. 44430-TDSIC-13 Vectren North Schedule 7 Page 1 of 1

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMPLIANCE COMPONENT DEFERRED REVENUE REQUIREMENT (20%)

Line	Description	Amount	Reference						
1	TDSIC-1, Compliance Component - through 06/30/2014	\$ 593,517	TDSIC-1, JCS-2, Sch 7, Line 1						
2	TDSIC-2, Compliance Component - through 12/31/2014	\$ 1,207,722	TDSIC-2, JCS-2, Sch 7, Line 2						
3	TDSIC-3, Compliance Component - through 06/30/2015	\$ 1,794,369	TDSIC-3, JCS-2, Sch 7, Line 3						
4	TDSIC-4, Compliance Component - through 12/31/2015	\$ 2,440,171	TDSIC-4, JCS-2, Sch 7, Line 4						
5	TDSIC-5, Compliance Component - through 06/30/2016	\$ 3,067,362	TDSIC-5, JCS-2, Sch 7, Line 5						
6	TDSIC-6, Compliance Component - through 12/31/2016	\$ 3,386,735	TDSIC-6, JCS-2, Sch 7, Line 6						
7	TDSIC-7, Compliance Component - through 06/30/2017	\$ 4,144,544	TDSIC-7, JCS-2, Sch 7, Line 7 (B)						
8	TDSIC-8, Compliance Component - through 12/31/2017	\$ 5,079,749	TDSIC-8, JCS-2 (Revised), Sch 7, Line 8						
9	TDSIC-9, Compliance Component - through 06/30/2018	\$ 5,891,954	TDSIC-9, JCS-2, Sch 7, Line 9						
10	TDSIC-10, Compliance Component - through 12/31/2018	\$ 6,236,696	TDSIC-10 JCS-R2, Sch 7, Line 10 (C)						
11	TDSIC-11, Compliance Component - through 06/30/2019	\$ 7,288,122	TDSIC-11 JCS-2 (Revised), Sch 7, Line 11						
12	TDSIC-12, Compliance Component - through 12/31/2019	\$ 6,697,420	TDSIC-12 JCS-R2, Sch 7, Line 12						
13	TDSIC-13, Compliance Component - through 06/30/2020	\$ 7,714,986	(A)						
14	Total Deferred Revenue Requirement	\$ 55,543,347							

Notes:

- (A) Attachment JCS-4, Schedule 3, Line 20, Sum of Jan-Jun 2021 x Allocation of Compliance Component Revenue Requirement from Attachment JCS-1, Schedule 1
- (B) Adjusted to reflect the lower pre-tax rate of return using a 21% Federal Tax Rate no other changes made to authorized amounts.
- (C) TDSIC-10 deferred revenues have been adjusted to reflect the corrected allocation previously described in Witness Swiz's TDSIC-11 testimony (Page 18).

Petitioner's Exhibit No. 3 Attachment JCS-2 Cause No. 44430-TDSIC-13 Vectren North Schedule 8 Page 1 of 1

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMPLIANCE COMPONENT AMORTIZATION OF DEFERRED INCREMENTAL 0&M EXPENSE

Line	Description		Amount	Reference
1	Balance - at end of previous reconciliation period [12/31/2019]	\$	17,659,166	TDSIC-12, JCS-R2, Sch 8, Line 5 (A)
2	Deferral - current reconcilation period [Jan-Jun 2020]	\$	5,882,720	Petitioner's Exhibit No. 2, Attachment SJV-2
3	Balance - at end of current reconciliation period [06/30/2020]	\$	23,541,886	Sum Lines 1-3
4	Less: Expected Recoveries	\$	(8,210,684)	(B)
5	Balance - to be recovered in current effective period	\$	15,331,202	Sum Lines 4-5
		To Sche	dule 1, Line 11	

Notes:

(A) Includes remaining North PSA balance at 04/10/17 as shown in TDSIC-7

(B) Expected recoveries attributable to O&M from TDSIC-12

Petitioner's Exhibit No. 3 Attachment JCS-2 Cause No. 44430-TDSIC-13 Vectren North Schedule 9 Page 1 of 1

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMPLIANCE COMPONENT NOI ADJUSTED FOR GCA EARNINGS TEST

Line	Description	 Total Amount	Reference				
1	Total New Statutory Investment - As of End of Period	\$ 465,438,773	From Schedule 1, Line 6				
2	After-Tax Rate of Return	 6.52%	From Schedule 4, Page 1, Line 5				
3	NOI Adjustment for GCA Earnings Test - TDSIC-13, Compliance Component	\$ 30,346,608	Line 1 x Line 2				

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) COMPLIANCE COMPONENT NET MARGINS GAINED FROM NEW CUSTOMERS (SNOW & OGDEN)

		Α	В	С	D	Е	F	G	н
Line	Description	Balance at 12/31/2019	1/31/2020	2/29/2020	3/31/2020	4/30/2020	5/31/2020	6/30/2020	Total Thru 6/30/2020
	Net Margins from Snow & Ogden Customers								
1	Snow & Ogden Average Customers (A)		30.000	30.000	30.000	29.000	30.000	30.000	
2	Rate 210 - Order Granted Margin Per Customer (B)		\$ 44.42	\$ 38.68	\$ 32.65	\$ 25.02	\$ 17.55	\$ 14.90	
3	Customer Margin Adjustment	\$ 45,119	\$ 1,333	\$ 1,160	\$ 980	\$ 726	\$ 527	\$ 447	\$ 50,290
4	Less: Expected Recoveries (C)								\$ 40,508
5	Balance - at end of current reconciliation period [06/30/20]	20]							\$ 9,782
								To Sched	ule 1, Line 15

Notes:

(A) As customers are added at various points during the calendar month, the applicable billing period for a customer is prorated by day during the first billing month, resulting in a 'partial customer'. That customer in subsequent periods is considered one full customer.

(B) Revised base rates and charges were approved effective June 1, 2018 following a Thirty Day Filing pursuant to Cause No. 45032, identified by the Commission as #50171 (approved May 30, 2018).

(C) Expected recoveries through June 30, 2020

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) TDSIC COMPONENT ANNUAL REVENUE REQUIREMENT THROUGH JUNE 30, 2020

Line	Description		Total Amount	Reference	_
1 2 3	Return on New Capital Investment: Gross New Capital Investment - As of End of Period Accumulated Depreciation - As of End of Period Net New Capital Investment - As of End of Period	\$ \$ \$	162,619,567 (9,495,257) 153,124,310	Schedule 2, Line 18, Col. G Schedule 2, Line 42, Col. G Line 1 + Line 2	
4	New Capital Investment CWIP - As of End of Period	\$	3,154,331	Schedule 2, Line 48, Col. G	
5	PISCC Deferred Balance - As of End of Period	\$	7,002,018	Schedule 3, Line 33, Col. G	
6	Total New Capital Investment - As of End of Period	\$	163,280,659	Line 3 + Line 4 + Line 5	
7	Pre-Tax Rate of Return		8.37%	Schedule 4, Page 1, Line 17	
8	Annualized Return on New Capital Investment	\$	13,666,591	Line 6 x Line 7	
2	Incremental Expenses	•	4 470 404	4	(1)
9	Property Tax Expense - Annualized	\$	1,178,431	(Line 1 x 0.72%) + (Line 4 x 0.24%)	(A)
10	Depreciation Expense - Annualized	\$	5,611,226	Schedule 5, Line 17	
11	Amortization Expense - Deferred Incremental O&M Expense	\$	-	N/A for TDSIC Component	
12	Amortization Expense - Deferred Depreciation	\$	147,571	Schedule 6, Line 18	
13	Amortization Expense - Deferred PISCC	\$	272,619	Schedule 3, Line 39	
14	Total Incremental Expenses	\$	7,209,847	Sum Lines 9-13	
15	Margin Netting: Reduction of Margins from New Snow & Ogden Customers - As of End of Period	\$	-	N/A for TDSIC Component	
16	Annual Revenue Requirement - TDSIC Component	\$	20,876,438	Line 8 + Line 14	
17	Recoverable TDSIC Component of CSIA (80%)	\$	16,701,151	Line 16 x 80%	(B)
18	To Be Deferred (20%)	\$	4,175,287	Line 16 x 20%	(B)

Notes:

(A) The annualized level of property taxes is calculated using an estimated Vectren North rate of 2.40% multiplied by the tax basis of the: (1) plant, estimated to be 30% of the gross new capital investment amount, and (2) CWIP, estimated to be 10% of the new capital investment CWIP amount.

(B) To Attachment JCS-1, Schedule 1, Line 2

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) TDSIC COMPONENT NEW CAPITAL INVESTMENT

			Α	ВС					D		Е		F		G		
			Balance at												Balance at		
Line	Gross New Capital Investment Balance		12/31/2019		1/31/2020	2/29/2020			3/31/2020		4/30/2020		5/31/2020		6/30/2020		
	Gross Assets																
1	Transmission	\$	20,154,555	\$	20,652,869	\$	20,700,109	\$	20,730,035	\$	20,730,035	\$	20,730,035	\$	22,590,249		
2	Distribution	\$	137,670,593	\$	137,755,885	\$	137,759,421	\$	139,502,673	\$	139,651,285	\$	139,878,849	\$	140,290,967		
3	Distribution - IEDC	\$	1,896,580	\$	1,896,580	\$	1,896,580	\$	1,896,580	\$	1,896,580	\$	1,896,580	\$	1,896,580		
4	Underground Storage	\$	1,157,144	\$	1,157,144	\$	1,157,144	\$	1,157,144	\$	1,157,144	\$	1,157,144	\$	1,532,989		
5	General	\$	569,724	\$	569,724	\$	569,724	\$	569,724	\$	569,724	\$	569,724	\$	569,724		
6	Total Gross Assets	\$	161,448,596	\$	162,032,202	\$	162,082,977	\$	163,856,156	\$	164,004,768	\$	164,232,332	\$	166,880,509		
	Retirements																
7	Transmission	\$	(647)	\$	(647)	\$	(647)	\$	(647)	\$	(647)	\$	(647)	\$	(647)		
8	Distribution	\$	(4,128,519)		(4,128,519)	\$	(4,128,519)		(4,146,949)		(4,146,949)	\$	(4,146,949)	\$	(4,146,949)		
9	Distribution - IEDC	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
10	Underground Storage	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
11	General	\$	(113,346)	\$	(113,346)	\$	(113,346)	\$	(113,346)	\$	(113,346)	\$	(113,346)	\$	(113,346)		
12	Total Retirements	\$	(4,242,512)	\$	(4,242,512)	\$	(4,242,512)	\$	(4,260,942)	\$	(4,260,942)	\$	(4,260,942)	\$	(4,260,942)		
	Gross New Capital Investment Balance																
13	Transmission	\$	20.153.908	\$	20.652.222	\$	20,699,462	\$	20.729.388	\$	20.729.388	\$	20,729,388	\$	22,589,602		
14	Distribution	ŝ	133.542.074	ŝ	133,627,366	\$	133,630,902	ŝ	135,355,724	ŝ	135,504,336	ŝ	135.731.899	ŝ	136,144,018		
15	Distribution - IEDC	ŝ	1.896.580	Ŝ	1.896.580	\$	1,896,580	\$	1.896.580	Ŝ	1.896.580	\$	1.896.580	Ŝ	1,896,580		
16	Underground Storage	ŝ	1,157,144	Ŝ	1,157,144	\$	1,157,144	Ŝ	1,157,144	Ŝ	, ,	\$	1,157,144	Ŝ	1,532,989		
17	General	\$	456,377	Ś	456,377	\$	456,377	\$	456,377	\$	456,377	\$	456,377	\$	456,377		
18	Total Gross New Capital Investment	\$	157,206,084	\$	157,789,690	\$	157,840,466	\$	159,595,214	\$	159,743,825	\$	159,971,389	\$	162,619,567		
	= (Gross Assets + Retirements)						. ,	-	. ,				To	o Sch	hedule 1, Line 1		

								Balance at			
Line	Accumulated Depreciation Balance		12/31/2019	1/31/2020 2		2/29/2020	3/31/2020	4/30/2020	5/31/2020		6/30/2020
	Depreciation Expense										
19	Transmission	\$	1,345,042	\$ 1,395,349	\$	1,446,347	\$ 1,497,444	\$ 1,548,583	\$ 1,599,722	\$	1,653,140
20	Distribution	\$	17,978,857	\$ 18,388,125	\$	18,797,499	\$ 19,209,043	\$ 19,622,937	\$ 20,037,286	\$	20,452,394
21	Distribution - IEDC	\$	157,700	\$ 162,258	\$	166,816	\$ 171,374	\$ 175,933	\$ 180,491	\$	185,049
22	Underground Storage	\$	38,809	\$ 43,169	\$	47,530	\$ 51,890	\$ 56,250	\$ 60,611	\$	65,525
23	General	\$		\$ 81,497	\$	83,360	\$ 85,223	\$ 87,086	\$ 88,950	\$	90,813
24	Total Depreciation Expense	\$	19,600,042	\$ 20,070,399	\$	20,541,551	\$ 21,014,975	\$ 21,490,790	\$ 21,967,059	\$	22,446,921
	Retirements										
25	Transmission	\$	(647)	\$ (647)	\$	(647)	\$ (647)	\$ (647)	\$ (647)	\$	(647)
26	Distribution	\$	(4,128,519)	\$ (4,128,519)	\$	(4,128,519)	\$ (4,146,949)	\$ (4,146,949)	\$ (4,146,949)	\$	(4,146,949)
27	Distribution - IEDC	\$	-	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-
28	Underground Storage	\$	-	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-
29	General	\$	(113,346)	\$ (113,346)	\$	(113,346)	\$ (113,346)	\$ (113,346)	\$ (113,346)	\$	(113,346)
30	Total Retirements	\$	(4,242,512)	\$ (4,242,512)	\$	(4,242,512)	\$ (4,260,942)	\$ (4,260,942)	\$ (4,260,942)	\$	(4,260,942)
	Cost of Removal										
31	Transmission	\$	75,155	\$ 74,408	\$	74,575	\$ 74,687	\$ 74,687	\$ 74,687	\$	74,687
32	Distribution	\$	8,594,289	\$ 8,594,292	\$	8,595,030	\$ 8,596,085	\$ 8,597,768	\$ 8,597,119	\$	8,599,523
33	Distribution - IEDC	\$	-	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-
34	Underground Storage	\$	11,027	\$ 11,027	\$	11,027	\$ 11,027	\$ 11,027	\$ 11,027	\$	11,027
35	General	\$	5,485	\$ 5,485	\$	5,485	\$ 5,485	\$ 5,485	\$ 5,485	\$	5,485
36	Total Cost of Removal	\$	8,685,956	\$ 8,685,212	\$	8,686,117	\$ 8,687,284	\$ 8,688,968	\$ 8,688,318	\$	8,690,722
	Total Accumulated Depreciation Expense										
37	Transmission	\$	(1,269,241)	\$ (1,320,295)	\$	(1,371,125)	\$ (1,422,111)	\$ (1,473,249)	\$ (1,524,388)	\$	(1,577,806)
38	Distribution	\$	(5,256,049)	\$ (5,665,314)	\$	(6,073,950)	\$ (6,466,009)	\$ (6,878,219)	\$ (7,293,217)	\$	(7,705,922)
39	Distribution - IEDC	\$	(157,700)	\$ (162,258)	\$	(166,816)	\$ (171,374)	\$ (175,933)	\$ (180,491)	\$	(185,049)
40	Underground Storage	\$	(27,782)	\$ (32,142)	\$	(36,503)	\$ (40,863)	\$ (45,223)	\$ (49,584)	\$	(54,498)
41	General	\$	39,197	\$ 37,334	\$	35,471	\$ 33,608	\$ 31,745	\$ 29,881	\$	28,018
42	Total Accumulated Depreciation Expense	\$	(6,671,574)	\$ (7,142,675)	\$	(7,612,923)	\$ (8,066,749)	\$ (8,540,880)	\$ (9,017,798)	\$	(9,495,257)
	= - Depreciation Expense - Retirem	ents + (Cost of Removal						Ťc	o Scl	hedule 1, Line 2

Line	CWIP Balance		Balance at 6/30/2020
43	Transmission	\$	278
44	Distribution	\$	2,911,283
45	Distribution - IEDC	\$	-
46	Underground Storage	\$	242,771
47	General	\$	-
48	Total CWIP Balance	\$	3,154,331
		To Sc	hedule 1, Line 4

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) TDSIC COMPONENT POST IN-SERVICE CARRYING COSTS (PISCC)

Line	Description	Reference	_	Α		в		с		D		Е		F		G
1	PISCC Rate - Monthly	Schedule 4, Page 2, Line 5 / 12				0.54%		0.54%		0.54%		0.54%		0.54%		0.54%
2	PISCC Rate - Monthly - DEBT	Schedule 4, Page 2, Lines 1,3-4 / 12				0.13%		0.13%		0.13%		0.13%		0.13%		0.13%
3	PISCC Rate - Monthly - EQUITY	Schedule 4, Page 2, Line 2 / 12				0.41%		0.41%		0.41%		0.41%		0.41%		0.41%
4	Transmission Amortization Rate - Monthly (A)	Schedule 6, Line 8 / 12				0.25%		0.25%		0.25%		0.25%		0.25%		0.25%
5	Distribution Amortization Rate - Monthly (A)	Schedule 6, Line 9 / 12				0.30%		0.30%		0.30%		0.30%		0.30%		0.30%
6	Distribution - IEDC Amortization Rate - Monthly (A)	Schedule 6, Line 10 / 12				0.30%		0.30%		0.30%		0.30%		0.30%		0.30%
7 8	Underground Storage Amortization Rate - Monthly (A)	Schedule 6, Line 11 / 12				0.32%		0.32%		0.32%		0.32%		0.32%		0.32%
8	General Amortization Rate - Monthly (A)	Schedule 6, Line 12 / 12				0.33%		0.33%		0.33%		0.33%		0.33%		0.33%
	PISCC Cumulative Deferred Balance - DEBT			Balance at 12/31/2019		1/31/2020		2/29/2020		3/31/2020		4/30/2020		5/31/2020		Balance at 6/30/2020
9	Transmission	(B)	\$	240,997	\$	245,744	\$	250,848	\$	256,002	\$	261,176	\$	266,349		272,740
10	Distribution	(B)	\$		\$	1,940,549	\$	1,944,014	\$	1,948,622	\$	1,954,467	\$	1,960,559		1,967,069
11	Distribution - IEDC	(B)	\$		\$	26,617	\$	26,617	\$	26,617	\$	26,617	\$	26,617		26,617
12	Underground Storage	(B)	\$	10,892		10,763	\$	10,634	\$	10,505	\$	10,375				10,363
13 14	General PISCC Deferred Balance	(B) (B)	\$		\$ \$	8,820 2,232,493	\$ \$	8,968 2.241.080	\$ \$	9,116 2.250.861	\$ \$	9,264 2.261.899	\$ \$		\$ \$	<u>9,560</u> 2.286.348
14	PISCE Deletted balance	(B)	φ	, ,	Ф	2,232,493	ф	2,241,000	φ	2,200,001	¢	2,201,099	φ	2,273,183	¢	, ,
	PISCC Cumulative Deferred Balance - EQUITY			Balance at 12/31/2019		1/31/2020		2/29/2020		3/31/2020		4/30/2020		5/31/2020		Balance at 6/30/2020
15	Transmission	(B)	\$	604,948	\$	619,914	\$	636,006	\$	652,257	\$	668,569	\$	684,881	\$	705,031
16	Distribution	(B)	\$		\$	4,603,600	\$	4,614,525	\$		\$		\$	4,666,688		4,687,213
17	Distribution - IEDC	(B)	\$	66,601	\$	66,601	\$	66,601	\$	66,601	\$	66,601		66,601		66,601
18	Underground Storage	(B)	\$		\$	32,868	\$	32,460	\$	32,053		31,645		31,238		31,606
19	General Delever	(B)	\$	19,252	\$	19,718	\$	20,184	\$	20,651	\$	21,117	\$	21,583	\$	22,050
20	PISCC Deferred Balance	(B)	\$	5,316,933	\$	5,342,700	\$	5,369,776	\$	5,400,613	\$	5,435,415	\$	5,470,992	\$	5,512,500
	PISCC Cumulative Deferred Balance - DEBT + EQUITY			12/31/2019		1/31/2020		2/29/2020		3/31/2020		4/30/2020		5/31/2020		Balance at 6/30/2020
21	Transmission	Line 9 + Line 15	\$		\$		\$	886,853	\$		\$	929,745	\$	951,231	\$	977,771
22	Distribution	Line 10 + Line 16	\$	6,530,000	\$		\$	6,558,539	\$	6,577,674		6,601,950	\$	6,627,247		6,654,282
23	Distribution - IEDC	Line 11 + Line 17	\$	93,217		93,217			\$	93,217			\$	93,217		93,217
24	Underground Storage	Line 12 + Line 18	\$	44,168	\$	43,631		43,094	\$	42,558		42,021	\$	41,484		41,968
25	General	Line 13 + Line 19	\$	27,924	\$	28,538	\$	29,152	\$	29,767	\$	30,381	\$	30,995		31,609
26	PISCC Deferred Balance	Sum Lines 21-25	\$	7,541,253	\$	7,575,193	\$	7,610,856	\$	7,651,474	\$	7,697,313	\$	7,744,175	\$	7,798,848
27	Amortization of PISCC - Transmission		\$	(205,919)	\$	(212,064)	\$	(218,208)	\$	(224,353)	\$	(230,498)	\$	(236,643)	\$	(242,787)
28	Amortization of PISCC - Distribution		\$	(467,563)		(481,976)		(496,389)		(510,803)		(525,216)		(539,629)		(554,042)
29	Amortization of PISCC - Distribution - IEDC		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
30	Amortization of PISCC - Underground Storage		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
31 32	Amortization of PISCC - General Less: Amortization of PISCC	(C)	\$ \$	(673,482)	\$ \$	(694,040)	\$ \$	- (714,598)	\$ \$	(735,156)	\$ \$	- (755,714)	\$ \$	(776,272)	\$ \$	(796,830)
33	Total PISCC Deferred Balance	Line 26 + Line 32	\$	6,867,771	\$	6,881,153	\$	6,896,258	\$	6,916,319	¢	6,941,600	¢	6,967,903	¢	7,002,018
55		Line 20 + Line 32	Ψ	0,007,771	Ψ	0,001,155	Ψ	0,030,230	Ψ	0,310,313	Ψ	0,341,000	Ψ			chedule 1, Line 5
	Annualized Amortization Expense															
34	Transmission	Line 4 x Line 21 x 12													\$	28,758
35	Distribution	Line 5 x Line 22 x 12													\$	237.653
36	Distribution - IEDC	Line 6 x Line 23 x 12													\$	3,329
37	Underground Storage	Line 7 x Line 24 x 12													\$	1,614
38	General	Line 8 x Line 25 x 12												-	\$	1,264
39	Total Amortization Expense	Sum Lines 29-33													\$	272,619
														То	Scl	nedule 1, Line 13

(A) Based on Amortization Life of Plant as of December 31, 2013. Annual depreciation rate is 1 divided by Number of Years, as shown on Attachment JCS-3, Schedule 6.
 (B) Calculated as the PISCC rates (line 2 & 3) multiplied by the monthly PISCC eligible balances. PISCC eligible balances are based on the gross plant placed in-service not yet captured for recovery in the CSIA.
 (C) Amortization of approximately \$20,558 per month beginning in January 2020 is based on annualized amortization expense of \$246,696 from TDSIC-11, Attachment JCS-3 (Revised), Schedule 3, Line 39.

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) **TDSIC COMPONENT** PRE-TAX RATE OF RETURN AT JUNE 30, 2020

			Α	в	С	D = B x C
Line	After-Tax (A)	Amo	unt (\$000's)	Weighting	Cost	WACC
1	Debt	\$	474,876	30.75%	4.84%	1.49%
2	Equity	\$	777,931	50.37%	10.20%	5.14%
3	Cost Free Capital	\$	265,532	17.19%	0.00%	0.00%
4	Other	\$	26,100	1.69%	1.50%	0.03%
5	Total	\$	1,544,440			6.66% (B)
						To Schedule 9, Line 2
	Pre-Tax Equity Component Calculation					
6	After-Tax Cost of Equity per Line 2		5.14%		Line 2, Col. D	
7	One			100.00%		
8	Less: Current State Tax Rate			5.075%	(C)	
9	Federal Taxable			94.93%	Line 7 - Line 8	
10	One Less Federal Income Tax			79.00%	1 - 21%	
11	Effective Gross-Up Factor			74.99%	Line 9 x Line 10	
12	Pre-Tax Equity		6.85%		Line 6 / Line 11	
	Forecast - Adjusted ROR (fixed ROE)					
	Pre-Tax					
13	Debt				1.49%	from Line 1
14	Equity				6.85%	from Line 12
15	Cost Free Capital				0.00%	from Line 3
16	Other				0.03%	from Line 4
17	Total Pre-Tax Rate of Return				8.37%	Sum Lines 13-16
					To Schedule 1, Line 7	

(A) All data in Lines 1 through 5 represent the actual balances as of June 30, 2020.

(B)	Proof	Equity	D	ebt and Other	Total	
18	Total New Capital Investment	\$ 163,280,659	\$	163,280,659		from Schedule 1, Line 6
19	Pre-Tax Return	6.85%		1.52%		from Lines 13-16
20	Return	\$ 11,191,548	\$	2,481,866		Line 18 x Line 19
21	State Tax	\$ 567,971				5.075% x Line 20
22	Federal Taxable Return	\$ 10,623,577	\$	2,481,866		Line 20 - Line 21
23	Federal Tax	\$ 2,230,951				Line 22 x 21%
24	After Tax Return \$	\$ 8,392,626	\$	2,481,866	\$ 10,874,492	Line 20 - Lines 21 and 23
25	After Tax Return %				6.66%	Line 24 / Line 18

6.66% equals Line 5

(C) Represents a blended State Tax Rate: - January 1, 2021 - December 31, 2021 @ 5.075%

- Based on 5.250% @ January 1, 2021 and 4.900% @ July 1, 2021

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) TDSIC COMPONENT AFTER TAX PISCC RATE AT DECEMBER 31, 2019

			Α	В	С	D = B x C
Line	After-Tax (A)	Αποι	unt (\$000's)	Weighting	Cost	WACC
1	Debt	\$	474,873	31.66%	4.87%	1.54%
2	Equity	\$	728,182	48.54%	10.20%	4.95%
3	Cost Free Capital	\$	270,233	18.01%	0.00%	0.00%
4	Other	\$	26,820	1.79%	1.50%	0.03%
5	Total	\$	1,500,108			6.52%

(A)

All data in Lines 1 through 5 represent the actual balances as of December 31, 2019 (as presented in TDSIC-12 filing on JCS-R3, Sch 4, Pg 1).

Petitioner's Exhibit No. 3 Attachment JCS-3 Cause No. 44430-TDSIC-13 Vectren North Schedule 5 Page 1 of 1

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) TDSIC COMPONENT ANNUALIZED DEPRECIATION EXPENSE - ON NEW CAPITAL INVESTMENT

Line	Description		Balance at 6/30/2020	Reference
	Depreciable In-Service Balance			
1	Transmission	\$	22,589,602	Schedule 2, Line 13, Col. G
2	Distribution	\$	136,144,018	Schedule 2, Line 14, Col. G
3	Distribution - IEDC	\$	1,896,580	Schedule 2, Line 15, Col. G
4	Underground Storage	\$	1,532,989	Schedule 2, Line 16, Col. G
5	General	\$ \$ \$	456,377	Schedule 2, Line 17, Col. G
6	Total	\$	162,619,567	Sum Lines 1-5
	Monthly Depreciation Rates			
7	Transmission		0.25%	(A)
8	Distribution		0.29%	(A)
9	Distribution - IEDC		0.24%	(A)
10	Underground Storage		0.36%	(A)
11	General		0.33%	(A)
	Annualized Depreciation Expense			
12	Transmission	\$	668,351	Line 1 x Line 7 x 12
13	Distribution	\$	4,804,432	Line 2 x Line 8 x 12
14	Distribution - IEDC	\$	54,699	Line 3 x Line 9 x 12
15	Underground Storage	\$ \$ \$	65,629	Line 4 x Line 10 x 12
16	General	\$	18,116	Line 5 x Line 11 x 12
17	Total Annualized Depreciation Expense	\$	5,611,226	Sum Lines 12-16
		To S	chedule 1, Line 10	

(A) Current average of authorized depreciation rates. Supporting work papers will show a detailed calculation of depreciation rates by class of plant.

(B) Reflects no plant additions through current period for class of plant.

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) TDSIC COMPONENT AMORTIZATION OF DEFERRED DEPRECIATION

			Α		в		С		D		Е		F		G
Line	Description		Balance at 12/31/2019	1,	/31/2020	2	2/29/2020	3	/31/2020	4	/30/2020	5	/31/2020		Balance at 6/30/2020
	Deferred Depreciation Balance (A)														
1	Transmission	\$	383,137	\$	392,198	\$	401,950	\$	411,802	\$	421,695	\$	431,589	\$	443,761
2	Distribution	\$	3,627,256	\$3	3,632,268	\$:	3,637,385	\$ 3	3,644,652	\$:	3,654,246	\$ 3	3,664,295	\$	3,675,104
3	Distribution - IEDC	\$	43,547	\$	43,472	\$	43,397	\$	43,323	\$	43,248	\$	43,174	\$	43,099
4	Underground Storage	\$	30,355	\$	30,065	\$	29,775	\$	29,485	\$	29,195	\$	28,905	\$	29,169
5	General	\$	12,988	\$	13,341	\$	13,694	\$	14,047	\$	14,401	\$	14,754	\$	15,107
6	Less: Amortization of Deferrals (B)	\$	(372,135)	\$	(383,459)	\$	(394,784)	\$	(406,108)	\$	(417,432)	\$	(428,756)	\$	(440,080)
7	Total Deferred Depreciation Balance	\$	3,725,147	\$3	3,727,885	\$:	3,731,418	\$ 3	3,737,202	\$ 3	3,745,354	\$3	3,753,960	\$	3,766,160
	Depreciation Rates (C)														
8	Transmission														2.94%
9	Distribution														3.57%
10	Distribution - IEDC														3.57%
11	Underground Storage														3.85%
12	General														4.00%
40	Deferred Depreciation Amortization Expension	se												•	40.050
13	Transmission												x Line 8	\$	13,052
14	Distribution												x Line 9	\$	131,254
15	Distribution - IEDC												Line 10	\$	1,539
16	Underground Storage												Line 11	\$	1,122
17	General												Line 12	\$	604
18	Deferred Depreciation Amortization Expension	se									Sum I	line	es 13-17	\$	147,571

To Schedule 1, Line 12

(A) Calculated by taking the gross new plant investment, less retirements, placed in-service but not yet included in CSIA recovery.

(B) Amortization of approximately \$11,324 per month beginning in January 2020 is based on annualized amortization expense of \$135,890

from TDSIC-11, Attachment JCS-3 (Revised), Schedule 6, Line 18.

(C) Based on Amortization Life of Plant as of December 31, 2013. Annual depreciation rate is 1 divided by Number of Years. Transmission - 34 years

Distribution - 28 years Distribution - IEDC - 28 years Underground Storage - 26 years General - 25 years

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) TDSIC COMPONENT DEFERRED REVENUE REQUIREMENT (20%)

Line	Description	Amount (A)	Reference
1	TDSIC-1, TDSIC Component - through 06/30/2014	\$ 154,886	TDSIC-1, JCS-3, Sch 7, Line 1
2	TDSIC-2, TDSIC Component - through 12/31/2014	\$ 142,189	TDSIC-2, JCS-3, Sch 7, Line 2
3	TDSIC-3, TDSIC Component - through 06/30/2015	\$ 593,033	TDSIC-3, JCS-3, Sch 7, Line 3
4	TDSIC-4, TDSIC Component - through 12/31/2015	\$ 866,375	TDSIC-4, JCS-3, Sch 7, Line 4
5	TDSIC-5, TDSIC Component - through 06/30/2016	\$ 1,430,201	TDSIC-5, JCS-3, Sch 7, Line 5
6	TDSIC-6, TDSIC Component - through 12/31/2016	\$ 1,508,103	TDSIC-6, JCS-3, Sch 7, Line 6
7	TDSIC-7, TDSIC Component - through 06/30/2017	\$ 1,695,222	TDSIC-7, JCS-3, Sch 7, Line 7 (C)
8	TDSIC-8, TDSIC Component - through 12/31/2017	\$ 1,577,588	TDSIC-8, JCS-3 (Revised), Sch 7, Line 8
9	TDSIC-9, TDSIC Component - through 06/30/2018	\$ 1,816,862	TDSIC-9, JCS-3, Sch 7, Line 9
10	TDSIC-10, TDSIC Component - through 12/31/2018	\$ 1,724,791	TDSIC-10 JCS-R3, Sch 7, Line 10 (D)
11	TDSIC-11, TDSIC Component - through 06/30/2019	\$ 2,077,604	TDSIC-11 JCS-3 (Revised), Sch 7, Line 11
12	TDSIC-12, TDSIC Component - through 12/31/2019	\$ 1,865,702	TDSIC-12 JCS-R3, Sch 7, Line 12
13	TDSIC-13, TDSIC Component - through 06/30/2020	\$ 2,207,396	(B)
14	Total Deferred Revenue Requirement	\$ 17,659,952	

Notes:

- (A) Pending results from 2% TDSIC Annual Retail Revenue Cap Test from Attachment JCS-3, Schedule 8, additional information may be provided for TDSIC Deferred in Excess of 2% Cap.
- (B) Attachment JCS-4, Schedule 3, Line 20, Sum of Jan-Jun 2021 x Allocation of TDSIC Component Revenue Requirement from Attachment JCS-1, Schedule 1

(C) Adjusted to reflect the lower pre-tax rate of return using a 21% Federal Tax Rate - no other changes made to authorized amounts.

(D) TDSIC-10 deferred revenues have been adjusted to reflect the corrected allocation previously described in Witness Swiz's TDSIC-11 testimony (Page 18).

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) TDSIC COMPONENT 2% TDSIC ANNUAL RETAIL REVENUE CAP TEST

		Total	
Line	Description	 Amount	Reference
1	Current TDSIC Recoverable Portion (A)	\$ 16,701,151	Schedule 1, Line 17
2	Less Current IEDC Recoverable Portion	\$ (179,424)	Schedule 8, Page 2, Line 17
3	Prior TDSIC Recoverable Portion (A)	\$ 16,050,670	TDSIC-12, JCS-R3, Schedule 1, Line 17
4	Less Prior IEDC Recoverable Portion	\$ (178,478)	TDSIC-12, JCS-R3, Schedule 8, Page 2, Line 17
5	Increase in TDSIC Recoverable Portion	\$ 649,535	Line 1 + Line 2 - Line 3 - Line 4
6	Total Retail Revenues (A)	\$ 559,092,444	12 Months Ended As of End of Period
7	TDSIC Cap	2%	[Ind. Code § 8-1-39-14(a)]
8	TDSIC Cap - 2% of Retail Revenues	\$ 11,181,849	Line 6 x Line 7
9	Does Increase in TDSIC Exceed 2% Cap?	No	If Line 5 > Line 8, Yes; If not, No
	If Yes:		
10	TDSIC Cap - 2% of Retail Revenues	\$ -	If Yes - Line 8; If No, \$0
11	Plus: Prior TDSIC Recoverable Portion	\$ -	If Yes - Line 3; If No, \$0
12	Total TDSIC Recoverable in CSIA	\$ -	Line 10 + Line 11
13	Current TDSIC Recoverable Portion	\$ -	If Yes - Line 1; If No, \$0
14	TDSIC Deferred in Excess of 2% Cap	\$ -	Line 13 - Line 12
15	If No: Current TDSIC Recoverable Portion - CSIA	\$ 16,701,151	If No, Line 1; If Yes, \$0

Note:

(A) TDSIC Recoverable portion is calculated by subtracting the recoverable component from Distribution IEDC (targeted economic development projects) from the total recoverable component. Retail revenues are also adjusted to exclude revenues associated with targeted economic development projects.

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) TDSIC COMPONENT TARGETED ECONOMIC DEVELOPMENT REVENUE REQUIREMENT THROUGH JUNE 30, 2020

Line	Description	Distril	oution - IEDC	Reference	_
1 2 3	Return on New Capital Investment: Gross New Capital Investment - As of End of Period Accumulated Depreciation - As of End of Period Net New Capital Investment - As of End of Period	\$ \$	1,896,580 (185,049) 1,711,531	Schedule 2, Line 15, Col. G Schedule 2, Line 39, Col. G Line 1 + Line 2	
4	New Capital Investment CWIP - As of End of Period	\$	-	Schedule 2, Line 45, Col. G	
5	PISCC Deferred Balance - As of End of Period	\$	93,217	Schedule 3, Line 23 + Line 29, Col. G	
6	Total New Capital Investment - As of End of Period	\$	1,804,749	Line 3 + Line 4 + Line 5	
7	Pre-Tax Rate of Return		8.37%	Schedule 4, Page 1, Line 17	
8	Annualized Return on New Capital Investment	\$	151,057	Line 6 x Line 7	
9	Incremental Expenses Property Tax Expense - Annualized	\$	13,655	(Line 1 x 0.72%) + (Line 4 x 0.24%)	(A)
10	Depreciation Expense - Annualized	\$	54,699	Schedule 5, Line 14	.,
11	Amortization Expense - Deferred Incremental O&M Expense	\$	-	N/A for TDSIC Component	
12	Amortization Expense - Deferred Depreciation	\$	1,539	Schedule 6, Line 15, Col. G	
13	Amortization Expense - Deferred PISCC	\$	3,329	Schedule 3, Line 36, Col. G	
14	Total Incremental Expenses	\$	73,223	Sum Lines 9-13	
15	Margin Netting: Reduction of Margins from New Snow & Ogden Customers - As of End of Period	\$	-	N/A for TDSIC Component	
16	Annual Revenue Requirement - TDSIC Component	\$	224,280	Line 8 + Line 14	
17	Recoverable TDSIC Component of CSIA (80%)	\$	179,424	Line 16 x 80%	(B)
18	To Be Deferred (20%)	\$	44,856	Line 16 x 20%	

Notes:

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(A) The annualized level of property taxes is calculated using an estimated Vectren North rate of 2.40% multiplied by the tax basis of the: (1) plant, estimated to be 30% of the gross new capital investment amount, and (2) CWIP, estimated to be 10% of the new capital investment CWIP amount.

(B) To Attachment JCS-3, Schedule 8, Page 1, Line 2

Petitioner's Exhibit No. 3 Attachment JCS-3 Cause No. 44430-TDSIC-13 Vectren North Schedule 9 Page 1 of 1

INDIANA GAS COMPANY, INC. d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC. VECTREN NORTH COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA) TDSIC COMPONENT NOI ADJUSTED FOR GCA EARNINGS TEST

Line	Description	 Total Amount	Reference
1	Total New Capital Investment - As of End of Period	\$ 163,280,659	From Schedule 1, Line 6
2	After-Tax Rate of Return	 6.66%	From Schedule 4, Page 1, Line 5
3	NOI Adjustment for GCA Earnings Test - TDSIC-13, TDSIC Component	\$ 10,874,492	Line 1 x Line 2

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Vectren North Compliance Plan - Transmission Modernization Projects

Database Project Number	Oracle Project Number	Project Category	Division	ос	City	Project Short Description	Previous Planned Year (4/1/20)	Current Planned Year	Previous Estimate (4/1/20)	Current Estimate	Estimate Variance (\$)	Estimate Variance (%)	Timing Variance Commentary (Current Fall 2020 Filing)	Estimate Variance Commentary (Current Fall 2020 Filing	Current Period Actual Spend (1/1/20 -6/30/2020)	Inception to Date Actual Spend (1/1/14 - 06/30/2020)	Actual Spend Variance (\$) (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)
4291	18202802054012	Valves / Operators / Remote Cntrl	SE	Columbus	Columbus	Grandview 6° Valve Replint	2018	2018										Y	Anumber of utilities even not identified util construction topin port operation an additional verde of work by the construction instruction were alreaded the utilities identified when construction instruction, are pravise electrica and the localities, which are not isolated all and or 2011 These satellities ware alreaded and boarded the private lacities with on-safe for the start of construction and granding for other activities. Minimal trailing dharges in TBIC-13 period. Project is complete.
3890	17202802054024	Priority Pipe	NW	Lafayette	Lafayette	8° NW3100 Linden Line Segment 1, 2, and 4 - Replace 12.12 mills of previously reconditioned 1942 and 1947 pape and replace receiver	2018	2018										¥	Creationships to Latingstes 12 main. This project's actual cost exceeded the providue estimate primarily due to encountering rock that was not executed. Solid homps area performed along the node, but the rock was the providue estimate the rock of the project actual but the rock was related to the project and the provided actual but the rock was related to the project actual but the rock of the project estimate the project actual but the rock on actual but the constraints actual but project actual but the rock on acquires the charact details makes (e.g. stocple films probability). Charges in TDBC-13 period associated with one during payments.
4175	18202802054213	Priority Pipe	NW	Lafayette	Romney	Distribution support project for Linden replacement - Denait parallel Linden P ⁺ barramission pipeline to 00 page	2018	2018										Ŷ	The project was its apport the density of our P (P transmission gas its then by project and the provide provide the provide the provide the P transmission provide provide the P transmission provide the P transmission provide and the P the P transmission provide and the mediption and regional calculation that must be reflect during the field mediption and regional calculations that must be reflect during the field mediption and regional calculations that must be reflect during the field mediption and regional calculations that must be reflect during the field mediption and the the termonal of them, provide and both the original scoope of work is the termonal of them, provide and both the important scoope and work is the termonal of them both calculations that is the termore the termore the term the term term term term term term term ter
3078	17202802054022	ILI Retrofits	SE	Bloomington	Bloomington	10716" Dolan to Needmore - ILJ retrolit 24.97 miles of pipeline, pressure test 12.36 miles of pipeline, and two proving bod runs	2018	2018										¥	A new pipeline heater and additional electrical work was required at Needmon Station. The 10 th he lacked during hydrotest and a section was enjared to be rejection. The 10 th from and 10 th were way dry and required heat that payming by the 10 th projection at the wards to other present more and the section of the 10 th present at the wards to other present more and the section of the 10 th present at the wards to other present more and expection babies. Project is complete. Minimal trailing changes in TDBC-13 period.
3098	17202802054019	Priority Pipe	SE	Clarksville	Sellersburg	12" Holman to Airport Valve Cluster (NS5015) - Roplace 1.00 miles of 8" pipeline with 12" pipe due to needed pressure test	2018	2018										¥	Project was completed on an accelerated schedule to ensure line was back in service for heating season resulting in additional labor charges. Also, portions of project were completed on Time & Maternal basis (boatly rates) due to work being performed in a heavy industrial area with significant heavy traffic.
3286	17202802054025	ILI Retrofits	NW	Danville	Crawfordsville	16" Mt Tabor to Risner - ILI retrofit 3.76 miles of pipeline, heater replacement, and proving bool run	2018	2018										¥	The existing heater failed over the winter prior to construction start and was not included in the original accept of work. During construction it was determined the filter work dired to be replaced due to non-compliance with current codes. Two existing values failed during startup and were required to be replaced. Thing fungariss in TSDE-T 2 priord were for heater planform construction and site restoration. Project is complete.
4151	18202802054011	Casings	SE	Martinsville	Martinsville	Replace 10° pipeline with shorted casing under SR 39	2018	2018										Y	Project is complete.
4210	18202802054016	Miscellaneous	SE	Clarksville	Prospect	Install building over station equipment at Wallace Farms	2020	2021					Project was delayed from 2020 to 2021 as the scope of this project was finalized.					N	Actual charges include preliminary engineering costs only.
3083	18202802054021	Gas Quality / Conditioning	SE	Clarksville	Crestwood	Install filler separator and odorizer at Crestwood pp	2019	2019										¥	Engineering costs enceeded estimate due to completify of project (innor empleting from see regards). Costs for improve youthing the enceeded of the second second second second second second data with the second second second second second second second data costs costs encloses to data. So data cost on the second second papelines. A communication in TOSAC1, this project was projected to be accorded with with enclose to table accorded and the method second seco
4088	17202802054016	Miscellaneous	SE	Clarksvile	Crestwood	Crestwood Station Expansion	2019	2019										Y	
3112	18202802054023	Pressure Test	NE	Anderson	Anderson	16" Anderson #2 to Layton Road - Pressure test 0.58 miles	2019	2019										Y	Project is complete.
3215	18202802054020	ILI Retrofits	SE	Clarksvile	Clarksville	16" Applegate Ln. TBS to Holman LP - ILI retrofit 2.69 miles of pipeline, replace rectifier, and proving fool run	2019	2019										Y	
3419	18202802054024	Pressure Test	NE	Muncie	New Castle	8° Muncie to New Castle - Install 1,600' of 10° pipeline under I-70 and pressure test 0.50 miles of	2019	2019										Y	Material and land costs were much less than estimated. Contingency costs included in the estimate for unknown factors were not necessary. Project is commistion
3033	18202802054030	Gas Quality / Conditioning	NW	Lafayette	Wolcott	ppoline Install gas chromatograph at Wolcott Storage Field	2019	2019										N	compate. The electrical installation costs for this project were underestimated. The high density of existing underground scalifies at the jobales -not wel- documented in historical records and discovered as constructions instelled any operation of the scale of the scale of the project in the scale scale project which was an existinguish in the entime, the scale data costs existence of the scale scale scale of the project, increasing TAM costs for project with was an existence at the costnersing-sphilating.
3912	18202802054025	Obsolete Equipment	NE	Muncie	New Castle	10" New Castle River Rd Station - Rebuild due to two unsupported regulators	2019	2019										Y	
3916	18202802054028	ILI Retrofits	SE	Clarksville	Prospect	NS5011 12" Wallace Farms to Longview Beach - Install filter separator connection at launcher	2019	2019										Y	

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Vectren North Compliance Plan - Transmission Modernization Projects

Database Project Number	Oracle Project Number	Project Category	Division	oc	City	Project Short Description	Previous Planned Year (4/1/20)	Current Planned Year	Previous Estimate (4/1/20)	Current Estimate	Estimate Variance (\$)	Estimate Variance (%)	Timing Variance Commentary (Current Fall 2020 Filing)	Estimate Variance Commentary (Current Fall 2020 Filing	Current Period Actual Spend (1/1/20 -6/30/2020)	Inception to Date Actual Spend (1/1/14 - 06/30/2020)	Actual Spend Variance (\$)	Actual Spend Variance (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)
4075	18202802054018	Pressure Test	SE	Bloomington	Bloomington	NS5055 8" Needmare PP to Biomington South TBS - Pressure text 0.5 miles of pipeline and mitigate (7) pipeline exposures	2019	2019											Y	The length of the HDD and associated cost increased due to additional regard dight determined necessary in the field damg construction. Additional target give approprioation (reliad necessare merganed to construct the second second second second second second language second. Examined association due to researed in costs Additional costs ware able control to tetal and additional stopic filting control or second of a support for training, -need identified damg construction constructions of a support for training, -need identified damg construction construction and a support for training, -need identified damg construction construction (additional dates) and the second second second dates and the second second second second second constructions (additional dates) and the second second resolution (additional dates) and the second second resolution (additional dates) and the second resolution (additional dates) and the second resolution (additional dates) and resolution
3508	19202802054017	LI Retrofits	NW	Lafayette	Lafayette	12" Taylor Pig Trap to Risner Str ILI retrofit 25.83 miles of pipeline	2020	2020											N	Actual charges include preliminary engineering and material costs only.
3923	19202802054013	ILI Retrofits	NE	Muncie	Muncie	12" King Station (RS 274) to RS 220 (CR 400 Station) - ILI retroft 1.69 miles of pipeline and replace 0.40 miles of 8" pipe with 12" pipe between RS 220 and ANR Muncie	2020	2020											N	Construction in progress and trending to estimate.
4294	18202802064029	ILI Retrofits	NW	Lafayette	Lafayette	14 ^o Taylor to Wolcot - LJ retroft 28.32 miles of pipeline	2019	2019											Y	The person calculations (EE2) was associated with the separament for which individually an experiment of the separation
3941	19202802054012	Gas Quality / Conditioning	SE	Franklin	Bargersville	Instal gas chromatograph and filter separator at Bargeravile PP	2020	2020											N	Actual charges include preliminary engineering costs only.
4298	19202882054016	Gas Quality / Conditioning	NW	Danville	Brownsburg	Instal gas chromatograph at HCJ PP	2020	2020											N	Astaal charges include prelimitary engineering and partial material costs only
4321	19202802054212	ILI Retrofits	SE	Clarksville	Clarksville	Distribution support project for Holman to Applegate retrofit - Install 1,242' of 4" PE main to create second feed	2019	2019											Y	
3190	19202802054011	ILI Retrofits	SE	Martinsville	Martinsville	16" Martinsville to Hindustan - ILI retrofit, replace, and pressure test portions of 9.02 miles of pipeline and install launchers and receivers	2020	2020											N	Project is in-service but construction work is not complete. Costs are trending to estimate.
4860	19202802054022	Casings	NE	Muncie	Muncie	Retire 16" casing on 12" King Station to RS 220 pipeline at CR 400 E	2019	2019				5	Project added to 2019 to remove casing to assess pipeline after recent frost heaving						Y	
3471	18202802054019	Gas Quality / Conditioning	SE	Columbus	St. Paul	Install gas chromatograph at REX PP	N/A	N/A											N	
3246	18202802054017	ILI Retrofits	NW	Danville	Lebanon	12" HCJ to Lebanon LP - Install launchen/receiver barrels at two regulator stations and install one distribution support project in preparation for ILI retroft 11.2 miles of pipeline and proving tool run in a later year	2020	2022				1	Project has been reprioritized and scheduled for 2022.						N	Actual charges include preliminary engineering costs only.
3164	18202802054014	Priority Pipe	NW	Greencastle	Greencastle	Airport to US 40 - Replace 3.65 miles of 8" pipeline with 12" pipe due to needed pressure test	N/A	N/A											N	
3424	18202802054015	Priority Pipe	NW	Terre Haute	Terre Haute	6" Margaret #2 to Texas Gas PP - Replace 200' of pipeline due to unknown grade	N/A	N/A											N	
3970	18202802054026	Gas Quality / Conditioning	SE	Franklin	Shelbyville	Install gas chromatograph at Shelbyville ANR PP	N/A	N/A											N	
3472	15202802054021	Priority Pipe	NW	Lafayette	Wolcott	Replace NW3811	N/A	N/A											Y	
4962	19202802054023	Obsolete Equipment	SE	Columbus	Columbus	Replace existing heater with new 4.0 MM BTU Line Heater at the Columbus North PP Station at 5601 N 200 W, Columbus IN.	2020	2020											Y	
		Gas Quality / Conditioning	NW	Lafayette	Wolcott	Instal filter/separators at Wolcott Station, McCormick Station and Purdue TBS	2020	2020												Tending to \$30% over estimate. Additional costs are associated with retarial of property filters and costinu-totion of access paidoms at the filter instantiation projects, how the software final costion and deby in obtaining permanent filters resulted in extension of the result equipment and each immung tableton processing and the software and the project. Learning results and the software is and the project. Learning results and the software is a software in the project is and results allow and the software is a software in the project. Learning results and the software is a software is a software in the project is result and the software is a software in the project is results and the software is a software in the software is and the software is a software in the software is results and the software is a software in the software is software in the software is a software in the software is and the software is a software is a software is a software in the software is a software in the software is software is a software in the software is software in the software is a software in the software is software is software in the software is software in the software is software in the software is software is software in the software is software in the software is software in the software is software is software is software is software is software in the software is software in the software is software
4920 3233 5040		Priority Pipe Priority Pipe Priority Pipe	NW SE SE	Rockville Clarksville Bloomington	Bloomingdale Clarksville Unionville	Veedersburg NW3120 HCA Replace 8" Applegate-Clark HCA Replace 8" Exposure near Unionville	N/A N/A	2020 2020 2020											N	Actual charges include preliminary engineering costs only. Actual charges include preliminary engineering costs only. Actual charges include preliminary engineering costs only.

Vectren North Compliance Plan - Transmission Modernization Projects

Database Project Number	Oracle Project Number	Project Category	Division	ос	City	Project Short Description	Previous Planned Year (4/1/20)	Current Planned Year	Previous Estimate (4/1/20)	Current Estimate	Estimate Variance (\$)	Estimate Variance (%)	Timing Variance Commentary (Current Fall 2020 Filing)	Estimate Variance Commentary (Current Fall 2020 Filing	Current Period Actual Spend (1/1/20 -6/30/2020)	Inception to Date Actual Spend (1/1/14 - 06/30/2020)	Actual Spend Variance (\$)	Actual Spend Variance (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)
517	19202802054221	LI Retrofits	NW	Danville	Crawfordsville	Distribution support project for 2021 TMOD 4876 - 12" Taylor to Risner retrofit - Install 575' of 4" PE main to supply services currently on transmission line	N/A	2020					Supporting distribution project scheduled for 2020 to be completed prior to planned 2021 TMOD 4876 retrofit						Y	Not all charges have been incurred
4886	19202802054222	Miscellaneous	NW	Lafayette	Romney	Distribution support project for 2021 TMOD 12* Taylor to Risner retrofit - Install 695' of 2* PE to retire regulator station	N/A	2020					Supporting distribution project scheduled for 2020 to be completed prior to planned 2021 TMOD 4876 retrofit						Y	Not all charges have been incurred
4890	19202802054223	Priority Pipe	SE	Bloomington	Martinsville	Distribution support project for TMOD 3190 16" Martinsville to Hindustan retrofit - Install 6,465' of 2" PE and retre 450' of 6" STL to supply services currently on transmission line	N/A	2020					Supporting distribution project scheduled for 2020 to be completed with TMOD 3190 retrofit						Y	Not all charges have been incurred
3217	TBD	ILI Retrofits	SE	Bloomington	Bloomington	12" Dolan to Hindustan - ILI retrofit 4.97 miles of pipeline, install launcher/receiver, and proving tool run	N/A	N/A					Project reprioritized beyond the current Compliance Plan ending in 2020 to swap with Project ID 3190 due to upcoming INDOT construction schedule						N	
3031	19202802054213	Obsolete Equipment	NE	Muncie	New Castle	Retire Joyner Farms Regulator Station 1645 in pit and install approximately 250° of 2° PE main to feed services	2019	2019											N	
4615	TED	ILI Retrofits	SE	Crawfordsville	Crawfordsville	Distribution support project for Taylor to Risner retrofit - Install 2, 100' of 6" PE to replace two services to distribution system													N	
4616	TBD	ILI Retrofits	NE	Muncie	Muncie	Distribution support project for King to ANR Mance retroffs - Instal 250° of 2° PE to create accord feed													N	
4173	17202802054236	ILI Retrofits	NW	Crawfordsvile	Crawfordsville	Distribution support project for 16" Mit. Tabor to Risner retroft - Install 3,000" of 4" PE	2018	2018											¥	Project was completed on an accelerated schedule. Also, project was completed on T & M due to work being performed in a heavy inclustual area with significant heavy traffic. Minimal trailing changes in TDSIC-12 period.
4153	18202802054022	Obsolete Equipment	NE	Muncie	Dunkirk	Dunkirk TBS Heater Replacement	2018	2018											Y	Project was estimated as a completely new heater installation including piping changes. The new heater was designed to boit up to the existing piping reducing installation costs.
3167	17202802054020	Pressure Test	SE	Franklin	Bargersville	16" Brooklyn TBS to Shelbyvile - Pressure test 15.07 miles of pipeline	2018	2018											Y	Increased actual costs were primarly due to additional work required at Future Station where historical drawing did not correctly indicate the existing pring configuration. Vectors Morch Installed a ST filter at Crassy Creek Station in lieu of 4 that was designed and several additional charanging increases in CSIA 12 period.
4174	17202802054235	Priority Pipe	NW	Lafayette	Romney	Distribution support project for Linden replacement - Install 3,500° of 2° PE	2018	2018											Y	Register electrating of a register totalion betware of executer listen entry in chucked in the original design, intable there soldtowari main composers to pick up 21 zervices to be removed from HP main to the MP main. The additional main elements registerial capital of essement: Existing rody condition under the creek, was not considered in the original design which usations are not exploit in the pick of the solution of the registerial de to competition of USE1. Minimal trailing restoration charges in TDBC-12 period.
3285	16202802054019	Pressure Test	SE	Bloomington	Bloomington	8°/10° Dolan to IU Meter - Pressure test 1.80 miles of pipeline	2017	2017											Y	A casing was found shorted under a RR crossing and required insertion of a new segment of pipe and spaces. Additionally, undocumented fittings on the transmission in required regularem resulting in additional labor and material costs. A mechanical coupling at the Dolan station was found on material costs. A mechanical coupling at the Dolan station was found on Response test, that supposed several pipe. Note had dolland label frees for Response test, that supposed several pipe. Note had dolland label frees for Response test, that supposed several pipe.
3475	17202802054026	Pressure Test	NW	Wolcott	Wolcott	Wolcott Storage Field - Pressure test 3.50 miles of pipeline	2017	2017											Y	Project costs increased due to scope changes. Original scope was to replace leaking value. However, once the project was started pipe seam anomalies were identified at four locations in the vicinity and cut outs/replacements were completed.
4205	17202802054029	Priority Pipe	NE	Lebanon	Zionsville	16" HCJ to Zionsville - Replace leaking valve	2018	2018											Y	Project costs increased due to scope changes. Original scope was to replace leaking valve. However, once the project was started pipe seam anomalies were identified at four locations in the vicinity and cut outs/replacements were completed. Additional charges due to attorney fees related to land owner issue/assement issues.

Vectren North Vectren North Compliance Plan - Distribution Modernization Projects Page 1 of 4 Protoco Entrance Twar Connect Twar (4/32) Conn Database Project Number Maximo Work Order Number Oracle Project Number Project Short Description Actual Spend Variance Commentary (Current Spring 2020 Filing) Division OC City Project Category Looking forge strengthment of the second sec IN-WEST LAFAYETTE-WOOD ST ~~ REPLACE 1,765' OF 6' AND 2' INEFFECTIVELY COATED STL MAIN Y 3760 NW Lafayette 2018 2018 14509330 1759550205021 ineffectively Coaled Steel IN-MARION-2148 E 38TH ST ~~ REPLACE SHORTED 3 STL MAIN AND CASING 3705 NE Marion 2019 2019 Y 15157348 18574102050213 Casings Marion Institution takes and the is convection: a due to pressure requirements on the galaxy scalars. Takes provide the second water the second scalar scalars and scalars and scalars water to constraint required to a scalar scalar scalars. Takes can be address and the second scalar scalars and scalars built and scalars and the second scalar scalars. Takes can built and scalars and the scalar scalar scalars and scalars and the scalar scalar scalar scalar scalar scalars and scalar scalars and scalars and scalars and scalars and scalar scalar scalars and scalars and scalars and scalar scalars and scalars and scalars and scalars and scalars and scalar scalars and scalars and scalars and scalars and scalar scalars and scalars and scalar scalar scalar scalars and s Lafayetia Veedenburg IN-VEEDERSBURG-SR 136 ~ REMEDIATE 4" HP STL MAIN EXPOSURE 3865 14678275 17595502050214 Exposures NW 2019 2019 determined from historical records due to I information. Added reatoration costs to remove the tem Added relations could is servero the temporary concells subtra-tions as exacuted loss of parses of which is servering and the servering of the states of the states servering and the servering of the states servering relationships and the temporary of the states of the states of the states of the servering servering servering servering servering servering and the servering servering servering servering servering the servering servering servering servering servering the servering se Martineille Mooreaville IN-MOORESVILLE-SOUTH STREET (2) RR ~~ REMEDIATE SHORTED 4" STL MAIN AND CASING 4231 14548073 17592402050215 Casings 55 2019 2019 Y by the BR register exclusion is the spectra depth of them below the spectra of the spectra depth of the spectra d NE Eaton IN-EATON-201 W INDIANA AVE ~~ REPLACE 2" STL MAIN AND CASING WITH 4" PE TO ELIMINATE LEAK 2019 4821 16547380 Priority Pipe 2019 19573302050210 Marcie Marcie Marcie IN-MUNCIE-1920 ROYERTON RD ~ REPLACE SHORTED 3" HP STL MAIN AND CASING 3684 15157301 18573302050214 Casings NE 2019 2019 The ablance consider head are non-constrained by the CA must be approximated and processing of an egotometer of the state of the ablance constraints of the state of the stat Biomington IN-BLOOMINGTON-TERRANCE DR ~~ REPLACE SHORTED 4" STL MAIN AND CASING 3670 14350990 17592402050217 Casings 55 Bloomington 2019 2019 samily out disk. Moreover labeling strategies in EDSC 10 provide Revenued a corpus proceedings and the State Strategies and Revenued a corpus proceedings for the first proceedings of Revenues and Revenues and Revenues and Revenues and Revenues. Corpus has to not corpus and Revenues and Revenues. Corpus has to not corpus and Revenues and IN-CLOVERDALE-3044 E CR 900 5 ~~ REMEDIATE EXPOSED AND SHALLOW 6" HP 5TL MAIN 4702 16513107 Exposures NW Cloverdale 2019 2019 Y 3687 NE Packey IN-REDNEY-600 W MAIN ST ~~ REPLACE SHORTED 3" ST, MAIN AND CASING 2019 2019 Y 15157328 1857330205021 Casings Mincle Each ange of an ange o Clarkeville SHORTED 4" STL MAIN AND CASING 4213 10054077 55 2019 2019 Y 102920 Casings Clarksville neer binarcal consider and constrained for generating the second for generating the end of the second seco NE Marion IN-MARION-NEIBRASKA & 33RD ~~ REBUILD 2019 Y 3792 12004543 18574102050214 Regulator Station Marion 2019 NA 2019 NW ISOLATED SERVICES NW NA 1412 NA 59505000 Ineffectively Coated Steel 2019 2019 3705 NE Tipton IN-TIPTON-155 MARKET ST ~~ REPLACE SI 2019 Y 15157349 18582102050218 Casings Elwood 2019 Independent auf har or men the TBOC - Upper and an automatic approximation of the temporary of te Hantington Hantington IN-HEINTINGTCN-PARK CR ~~ REPLACE 6" STL MAIN ON BIRDGE UNDER NEW STRUCTURE WITH 6" PE 4242 NE 2019 2019 15949609 18574102050218 Bridge Crossings Y Richmond Richmond IN-RIO-MOND-SE PARKWAY AND AVON LANE ~~ REPLACE 3, 107 OF #1 STL MAIN DUE TO GRITH WE NE 2018 Y 3930 14391569 17575102680210 Priority Place 2018 3701 18573302050212 NE Marcia Abany INALBANY-124 5 DELAWARE ST ~ REPLACE SHORED 2" STL MAIN AND CASING 2019 2019 15157340 Casings Depth of other Lanses is one of an annual management of the second states of non-antimate of the main on the north side of the FR tracks was unlocatable by Section of a factor of the section of a section of the se Dayton REPLACE SHORED 2" STL MAIN AND CASING 3703 13495400 17595502650216 Casings NW Lafayette 2019 2019 Interaction of the second seco 4014 16627062 19494000040210 Dringhy Dires NW 2002 2019 Columbus Columbus N-COLUMBUS-W NATIONAL BLVD ~~ REMEDIATE 8" 3005 14677746 18592502050212 Exposures 52 2018 2018 Y

Petitioner's Exhibit No. 1 Attachment SAH-5

Cause No. 44430-TDSIC-13

Vectren North Compliance Plan - Distribution Modernization Projects

																					Tuge 2
Database Project Number	Maximo Work Order Number	Oracle Project Number	Project Category	Division	oc	City	Project Short Description	Previous Planned Year	Current Planned Year	Previous Estimate	Current Estimate	Estimate Variance	Variance	Timing Variance Commentary (Current Fail 2020 Filing)	Estimate Variance Commentary (Current Fall 2020 Filing	Current Period Actual Spend	Inception to Date Actual Spend	Actual Spend Variance Act	ual Spend Variance	In-service? (Y or N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)
Hartan	Autori			-				(4 120)		(0.124)		(4)	(%)	(content tan 2020 teng)	(current rail 2020 railig	(0.020 (0.022223))	(11014-00202200)	(4)	(.4)	(10134)	The depth of other utilities were not known before the start of
																					The dopth of other utilities were not known buffore the start of construction. Larger excavation area, shoring, and realization required das to derive utilities within each and or casing. Depth of other utilities is often not available during the design and elements phase of projects. Das to poor point conflictional lai-to location had to be changed from plan requiring additional lai-to location had to be changed from plan requiring additional lai- tions, main, and relationation costs. Minimum laining changes in the start of the start of
3685	15157318	18573302050210	Casings	NE	Muncie	Muncie	IN-MUNCIE-1300 E 18TH ST ~~ REPLACE SHORTED 2" STL MAIN AND CASING	2019	2019											Y	Depth of other utilities is often not available during the design and estimate phase of projects. Due to poor pipe condition, the tie-in
																					location had to be changed from plan requiring additional tie-in holes, main, and restoration costs. Minimal trailing charges in
				-	-																Additional costs due to difficulties encountered during the rock
																					Additional costs due to difficulties encountered during the rock bore construction process for installing approx. 575 of new IT NP Steel main. The hardness of the rock nessited in an initial drill head
																					Determine: The hardware of the rock resulted in an initial off hand halow and multiple more to leaving the hole is the halow and multiple more to leaving the hole is the present are noncentry. Longer duration of the project due is the rock hard halow and halow any approximation of the costs. The problem of the halow and the project due to the rock hard halow and halow any approximation of the costs. The project and with the halow and the halow and register approach and halow any approximation of the halow of the hard halow and halow and the halo of the of project and the halo is the interdiation and the halo of project of the halow and the halow and halo of the of project
3834	16379824	18592402050228	Exposures	-	Dedford	Bertherd	IN BEDFORD-SOUTH OF 418 22ND ST ~~ REMEDIATE 8" HP STL MAIN EXPOSURE	2019	2019												passes are necessary. Longer duration of the project due to the
3.04	FOUR BOARD	100000000000000000000000000000000000000	LADINATES	-	andrara	- Dialors	8" HP STL MAIN EXPOSURE	2018	2019												costs. Project was -\$110k over estimate in TDSIC-12 Charges in
																					Concerts period include costs associated with competition of original exposure work, site restoration, and to remediate another
																					10' long exposure localed during construction along the same 8' MP Steel distribution line to the immediate south of the original second se
					-	-															
																					Project was anticipated to exceed the estimate by 520k as communicated in TGSI-102. The estimating main vanish instabilited at an odd angle and over excavation of the 54-in points was necessary bit to phe new and estating main. Walker main and wave utilities were unable to locatin their facilities requiring additional from to locate by excavation. The host character and water participation required multiple attempts due to poor soil conditions waiting to use any excavation. The host character host is asset
																					to fit up the new and existing main. Water main and sever
3702	13490511	17595502G50215	Casings	NW	Frankfort	Frankfort	IN-FRANKFORT-N. MAISH RD ~~ REPLACE SHORTED 4" STL MAIN AND CASING	2019	2019											Y	time to locate by excession. The horizontal directional drill
							STE MAIN AND CASING														resulting in unsuccessful completion. Multiple vacuum trucks were
																					operation. The extended time to complete the bone also increased
																					specific regulation regulation controls and the poor well controlling the interactional competition. Helping and the poor well controlling the interaction of the int
																					The project required easement acquisition and staking of the easement that was not anticipated in the estimate. Available ROW
178	14270930	17595002630214	Bridge Crossings	NW	Terre Haute	Clinton	IN-CLINTON-CRIDDE ~~ RELOCATE 2' PE BRDGE CROSSING	2019	2019											Y	appeared to be adequate to install new main adjacent to the existing on either side of the bridge, but additional clarification of
																					public ROW extents and final determination of drill path resulted in
																					Additional costs incurred due to nock encountered with the suger bore under the railroad extending construction duration. Auger bores are performed on T&E make which increased cost over estimate and extended duration increase the railroad impection
																					bores are performed on T&E rates which increased cost over estimate and extended duration increase the railroad inspection
																					and flagging costs. Multiple reaming passes with the auger bore marbine code through the local offic multi-wate recessary in
																					achieve the adequate diameter of the bore to allow for installation
4105	16073378	18592402050213	Casings	52	Bedford	Michel	IN-MITCHELL-NIMERICIAN RD ~~ REPLACE SHORTED 8" HP STL MAIN AND CASING	2019	2019											Y	crossing. Additional costs were incurred for hard surface
		1		1		1															each bore pit and le-in location due to depth of bore specified by
						1															whether and extended duration is transmiss for authorating large con- trol fragment count. Margins entering passes are thin to apply the entering of the strain of the str
						1															the north new main tie-in location. To remove the stub - which presented a safety risk due to exposure to excavation damage - it
						1															was necessary to install a stopper fitting to isolate the study remove and cap the remainder, and install a protective cap to minimize
				-	+	-															Amount risk When construction started, other utilities not previously identified
						1															When construction stands, other utilities not previously identified to locate process or indicate in historical accords were bond in area of the gas main. This required contractor to perform more obtained we cancel and the obtained of other utilities and to perform main replacement. The larger accanation resulted in more vestimation and there for contractor to complish the contractuon with edma work being performed on a time and material basis.
3025	15157339	18582102050219	Casings	NE	Elwood	Tipton	IN-TIPTON-1869 DIVISION RD ~~ REPLACE SHORTED 2" STL MAIN AND CASING	2019	2019											Y	extensive excavation to locate extents of other utilities and to perform main replacement. The larger excavation resulted is e-
		1		1		1															restoration and time for contractor to complete the construction
144	14378544	17574102550210	Bridge Crossings	NE	Marion	Distant	IN-MARION-38TH ST MSSISSINEWA RIVER CROSSING -	2019	2019											Y	was a work being performed on a time and material basis.
					-	Page 6.41	IN-MARION-38TH ST MSSISSINEWA RIVER CROSSING - RELOCATE 3" STL BROKE CROSSING IN-MINITELE INC GALLIARD RD (RIN BROADWAY AVE														
1862	13009937	17573302650221	Casings	NE	Mancie	Muncie	IN-MUNCIE-E. MC GALLIARD RD (§ N. BRDADWAY AVE ~ REPLACE SHORTED 6" STL MAIN AND CASING	2019	2019											Y	The depth of the tie-in locations were not available from historical
40.35	16903065			NW			INCREWEDROSOFILE HIMDRE ST IN REPLACE		2019											Y	The depth of the tie-in locations were not available from historical records and could not be determined until construction started.
4835	16903865	19595302050212	Casings	NW	Crawfordevill	e Crawfordevile	IN-CRAWFORDSVILLE-ELMORE ST ~~ REPLACE SHORTED IF HP STL MAIN AND CASING	2019	2019											Ŷ	records and could not be determined until construction started. Extra depth of existing main required shoring boses and extended the project duration. The project was performed T&M due to non-
2108	5169041	17595002650222	Non-Commercially Available Pipe Size	e NW	Terre Haute	Terre Haute	IN TERRE HAUTE-HUMAN STREET-REPLACE 1,707 OF	2019	2019											Y	istandard darih. An anarment sees arrested that almost for micker installation and
105	14275856	17595002650218	Exposures	NW	Terre Haute	West Terre	6" THREADED STL MAIN IN-WEST TERRE NAUTE-JEFFERSON AVE-REMEDIATE 2" STL EXPOSURE	2019	2019											v	decreased the amount of traffic control needed. No traffic control was necessary and very little restoration was
142	14270800	17.3828282828	LADINATES		THEN PROPERTY	Haute	2" STL EXPOSURE	2018	2010												needed. Isolation of regulator station for retirement was accompliabed using existing valves rather than tapping and stopping of main as estimated. This reduced construction and equipment costs.
4603	16304228	19592502050012	Obsciete Equipment		Columbus	Tayloravile	IN TAYLORSVILLE FRIENDISHIP DR ~~ RETIRE REGULATOR STATION 3100007 WITH REMOTE RELIEF VALVE AND INSTALL 957 OF 2" PE MAIN	2019	2019											Y	using existing valves rather than tapping and stopping of main as estimated. This reduced construction and equipment costs.
168	9579118	17595002G50225	Exposures	NW	Terre Haute	Brazil	IN-BRAZE-CR 235W ~~ REMEDIATE 2" ST. MAIN EXPOSURE	2019	2019											Y	Project was completed on Time and Material rates and in a shorter limetrame than estimated. No traffic control or hard surface
4303	16249655	18595002050210	Casings	NW	Terre Haute	Terre Haute	IN TERRE HAUTE-2310 S 19TH ST ~~ REPLACE	2019	2020					Project reprioritized and scheduled for 2020						Y	Net all charges have been incurred
3688	15157330	18582102050216	Casings	NE	Anderson	Anderson	SHORTED 10" STL MAIN AND CASING IN-ANDERSON-2523 LAYTON RD ~~ REPLACE	2019	2019											Y	Company crew completed the project in a shorter time frame than estimated
4354	16382820	18595502050215	Casings	NW	Frankfort	Frankfort	SHORTED 3" STL MAIN AND CASING INFRANCORT-72 N CR500 E ~~ REPLACE SHORTED 2" STL MAIN AND CASING	2019	2019											Y	
																					Into trajent cosperar traje poper recordon interaction of trainando constraints, Picera and and an terminal prior to anciento of the prioric denomial the cost to the NPC constraint. Training the end prioric denominal training and the end prioric denominal the sector of the end prioric denominal training and the prioric denominal training and the end prioric denominal control or prioric denominal training and and the prioric denominal training and the sector hard training and the end prioric denominal training and and the Prioric Denominal training and the sector hard training and the end prioric denominal training and and the sector of the prioric denominal training and and the sector of the prioric denominal training and and the prioric denominal training and and the sector denominal training and training and the sector denominal training and and and the sector denominal training and and the sector denominal training and training and training and and the sector denominal training and training and the sector denominal training and and the prioric denominal training and training and and the sector denominal training and training and training and training and training and the prioric denominal training and training and and training and and training and and training and training and training and the sector denominal training and and training and training and training and training and training and and training and training and training and training and training and and training and training and training and training and training and training and training and and training and training and training and training and training and and training and training and training and training and training and training and and training and training and training and training and training and training and training and and training and trainin
3712	15157360	18583002050210	Ineffectively Coated Steel	NE	Nobleeville	Noblemille	IN-NOBLESVILLE-PLEASANT ST ~~ REPLACE 3,308' OF 6'', 4'', AND 2' INEFFECTIVELY COATED STL MAIN	2019	2019											Y	project eliminated the cost for the RR crossing. Trailing restriction costs in TDRC-13 restort
				NE			INMEDICINAL ADDIST NO BEDIACE 1055 CE 2													Y	Fewer sportcost required cus to minimal usity conflicts/crossings which resulted in reduced restoration costs and
4179	15544050	18574102050217	ineffectively Coaled Steel	NE	Marion	Marion	IN-MARION-W BTH ST ~~ REPLACE 1,055 OF 2" INEFFECTIVELY COATED STL MAIN	2019	2019											Ŷ	shorter project duration. Trailing restoration costs carried into TURIC-13 restort
145	14378546	17574102050212	Bridge Crossings	NE	Marion	La Ecchaige	IN-LA FONTAINE-WALNUT ST & BRANSON ST - RELOCATE (2) 4° STL BRIDGE CROSSINGS	2019	2019											Y	Project plan included an estimated one week to trench across a disk. Is not determined disk and if is know in her liter. Inc.
							RELOCATE (2) 4" STL BRIDGE CROSSINGS														daw - which reduced the project cost
159	9578583	17595002650216	Exposures	NW	Terre Haute	Mecca	IN-MECCA-WABASH ST REMEDIATE 2" STL MAIN EXPOSURE	2019	2019											Y	than estimated. Originally planned tree and brush removal, but
1582	16210127	18582102050221	Ineffectively Coated Steel	NE	Elwood	Elwood	IN-MEICA-WABASH ST ~- REMEDIATE 2' STL MAIN EXPOSURE IN ELWODOVALEXANDRA-BETWEEN SR 37 AND ELWODO PP SECTION 6- REPLACE 5,600 (OF 8' HP	2020	2020											N	boxe installation did not require clearing of souls. Construction in progress.
2005	16087517	18583302050215		5	Bahéle	Ratvile	INEFFECTIVELY COATED ST. MAIN IN-RUSHVILLE-R037 PLIN ON PD ~~ REMEDIATE 2" ST.	2019	2019												I are traffic control reacted and also law realization remained
2865	16087517	18583302050215	Exposures	z	Rushvile	Rushville	MAIN EXPOSURE	2019	2019											Y	Less traffic control readed and also less restoration required commend to scritorial estimate. The railward consting was located in downtown area. City of Tiptor required additional realization due to the heavy traffic
							IN TIRTON SIS MARIES TAN BERIACE SHORTED 4"														Tiplon required additional restoration due to the heavy traffic
3708	15157359	18582102050220	Casings	NE	Elwood	Tipton	IN-TIPTON-SIS MAPLE ST ~~ REPLACE SHORTED 4" STL MAIN AND CASING	2019	2019											Y	entering and eating factories in the area, restoration had to cover the entire intersections and entrances to the factories. This also
																					resulted in the project taking longer than expected to complete. An additional 25 feet of pipe - total of 300' - was installed due to
105	9579112	17565002650225			Terre Haute		INBRAZI-CRIOO ~- REMEDIATE 4" STL MAIN	2019	_											Y	An additional 22 freet of pipe - total of 3007 - was inshitted due to the exposed segment having increased in inogh than time of estimates. Washer - cold strengt-name - caused additional labor charges for pipe costing resplication. It was necessary for the contractor to molecular back to be into apply costing when
105	9579112	17595002650225	Exposures	NW	Terre Haute	Brazil	IN-BRAZE-CR300 ~~ REMEDIATE 4" STL MAIN EXPOSURE	2019	2019											Y	charges for pipe coaling reapplication. It was necessary for the
	13435410			-	-	-															Loss was a motion and and additional continuery and
3692	13498410	17595502650214	Casings	NW	Lafayette	Battle Ground	IN- BATTLE GROUND-133 N RAILROAD ST ~~ REPLACE SHORTED 2" STL MAIN AND CASING	2019	2019											Y	Contracts to Processe size of the time to popy coming terms Law Inflic control are negative. All Storial configures; cost ease estimated and was not required. Minimal trailing charges in TCSIC- 12 article. Actual charges for makerial and engineering coly. Assisting CSX fearma and Issocietie to be achedided. Construction in progress.
3691	15157337	18573302050216	Casings	NE	Mancie		IN-SELMA-399 S PITTENGER RD ~~ REPLACE	2020	2020											N	Actual charges for material and engineering only. Availing CSX Revenue and instructor to be scheduled
170	13593579	14595002050234	Exposures	NW	Terre Haute	i Brazil	SHORTED J' ST. MAIN AND CASING IN-BRAZE-SROHO ~~ REMEDIATE 6" ST. MAIN EXPOSURE	2019	2021					Project repriorilized and scheduled for 2020						N	Construction is in progress.
3710		17565002550229		NW			IN TERRE HAUTE-LAFAYETTE AVE ~~ REPLACE SHORTED 4" STL MAN AND CASING	2019	2019											×	The main under the railroad was retired instead of being replaced. The retirement and short main extension to maintain availar
3710	13435414	17505002650229	Casings	NW	Terre Haute	Terre Haute	SHORTED 4" STL MAIN AND CASING	2019	2019											Y	The main under the valicout was related instant of builty replaced. The instrument and whot main outeration to matchin system validability wave significantly less in cost than replacing the casing builty of the system of the system of the system of the solution system analysis. Reference cost was much less than exclusion any size and system outerated out on the system instrument of the system.
3673	14087812	17573302650212	Casings	NE	Mancie	Muncie	IN-MUNCIE-801 S ELLIOTT ST ~~ REPLACE SHORTED 5" STL MAIN AND CASING	2018	2018											Y	Scope of project was changed to retre the main based upon additional avatem analysis. Reterment cost was much level than
	NA	19202802050011		NE	Mancie	-	P' 51L MAIN AND CASING IN-MUNCIE-WEST OF KING STATION ~~ REPLACE	2020													actional system analysis. Heathermic cost was much was than contenent of main bulieck and how method. Construction is in progress
4103			Ineffectively Coated Steel			Muncie	IN TIT MAIN AND CASING IN-MUNCLE-WEST OF KING STATION ~~ PEPLACE (1,20) OF 19Y IN INFERDITIVILY COARD ST. MAIN IN TERM HALTE-3001 KUSSINET ST ~~ REPLACE SHORED OF 19STL MAIN AND CASING AND 10Y HP STL MAIN AND CASING		2020					land in hitse case which of a second P						N	Construction is in progress. Charges are related to materials
2643	13498547	16595002050222	Casings	NW	Terre Haute	Terre Haute	SHORTED 12" HP STL MAIN AND CASING AND 10" HP STL MAIN AND CASING	2019	2021				0	loved to future year outside of current filing period due to delay in obtaining railroad permit						N	Construction is in progress. Charges are related to materials, sever locates and preliminary work on mail installation and constrol conserved. Another criteria for the program of the program During construction, and unknown 10° pipe was found in the proposed new main installation boards. The pipe was
																					During construction, and unknown 10 ^o pipe was found in the proposed new main installation location. The pipe was
						1															proposed new main installation location. The pipe was determined to be from a closed effective factor facility. The equivel relocation of the new main into the abset to avoid conflict to the effective statistics method was by open cut data to other facilities in the abset which growth increased comstruction and restoration costs above: spearch costs where growther than the main statement of the statement of the statement of the statement of the main statement of the stateme
3707	15157351	18582102050214	Casings	NE	Elwood	Summitville	IN-SUMMITVILLE-14100 SUMMITVILLE RD ~~ REPLACE SHORTED 4° STL MAIN AND CASING	2019	2019											Y	eftanol pipe. Installation method was by open cut due to other
						1															facilities in the street which greatly increased construction and restoration costs along. Inspection costs where greater than estimated due to increased project duration.
1393	NA	583050001	Inside Meters	NE	NA		2019 NE INSIDE METERS	2019	2019											N	Focused operational resources on isolated service replacements
- 340	-dA	343330001	- mod Mitters	NL	NA	NA			~~~											N	vs. inside meters
						1	IN TERMS HALFE, DE TERMEN HO														An account 100 of 4' steel than was installed at each depth when the land owner required the east tie in be moved closer to the road. Use to undefined/ague existing essenterst, a new essement was acquired for installation of new main. In addition to
181	14270041	17595002650217	Exposures	NW	Terre Haute	Terre Haute	IN-TERRE HAUTE-PETTIFORD RD ~-REMEDIATE 4" STL MAIN EXPOSURE	2019	2020					Project reprioritized and scheduled for 2020						Y	exernent was acquired for installation of new main. In addition to the assument additional block and a
		1		1					1												wearment was acquired for instantion of new main, in addition to the easurement, additional block mark networks were incurred on the project due to the setra depth and length of main. Actual charges include sever locates and some material costs
100	9578586	17595002650219	Exposures	NW	Greencaste	Cloverdale	IN-CLOVERDALE-SR 42 REMEDIATE 6" STL MAIN EXPOSURE	2019	2021					Project repriorilized and scheduled for 2021						N	Actual charges include sever locates and some material costs only.
476	14351082	17592602050212	Casings	52	Columbus	Columbus	IN-CLOVERDALE-SR-42REMEDIATE 0" STL MAIN EXPOSERE IN-COLLIMENS-SR-46 AND BROWN AT 1ST STREET REPLACE SHORTED 2" STL MAIN AND CASING IN-TERRET HUILE-RS 2400002 REPLACE	2019	2021					Project reprioritized outside current Plan						N	only. Construction is in progress
2914	12654676	17595002650210	Obsolete Equipment	NW	Terro Haute	Haude	OBSOLETE VALVES	2019	2020											N	Construction is in progress.
1021	14387853	17573302G50210 17555002G50228	Pressure Monitoring / SCADA / RTU Bridge Crossings	NE	Mancie Terre Haute	Muncie	IN TERRE HAUTE-HUMAN ST ~~ FELOCATE 6" PE	2018	2015					Rescheduled to 2021 due to delay in obtaining railroad permit						N	
		1/5/50/02/02/02/28	Engle Crossings Ineffectively Costed Steel	NW	NA	NA	BRDGE CROSSING 2019 NE ISOLATED SERVICES	2019						raihoad permit						N	+
1405 1430 1436	NA NA NA	583050002 585050002	Ineffectively Coated Steel Obsciele Equipment Obsciele Equipment	NE	NA NA NA	NA NA	INMARCE-W.COUNT (PER-2002 S INSTALLER) INTERE INVESTMENTALIANS ST	2013 2013 2013	2010 2010 2010											N	<u></u>
2920	12324417	17595002650221	Exposures	NW	Terre Haute	Terre Haute	IN TERRE HAUTE-11034 E US 40 ~~ REMEDIATE 6" STL MAIN EXPOSURE	2020	2021					Project repriorilized and scheduled for 2021						N	
202	+6348776	100000000000	Garinge	-				-	-					Project concelled Casing retrait with Public- Intercontent ansist						N	
3967	14024054	18574102050215	Exposures	NE	Marion	Montpelier	IN-MONTPELER-400 E ~~ REMEDIATE 6" HP ST. MAIN EXPOSURE	2020	2020											N	
4164	14677773	17592602050215	Obsciete Equipment	z	Columbus	Columbus	DEMEDIATE DEACHE DELICE VALVE	2020	2020											N	
4187	15580837	18583502050212	Shalow Pipe	z	Franklin	Edinburgh	IN EDINBURGH ALLEY SW OF E MAIN CROSS ST & HOLIAND ST ~~ REPLACE 247 OF SHALLOW 3" STL	2020	2020											N	
	15814492			NW	Danuth	Dainfield	NEEDNEURGRAUP SW O'R E MAN CROSS ST & HCLIAND ST ~~ REPLACE DAY OF SHALLOW Y STL MAN IN-PLANFIELD-1025 COLUMER RD ~~ REPLACE PRESSLER ENCORPORE CHART WITH FRX IN-TIPTON-1000 S MAIN ST-REBUILD METER SET													N	+
4825	15814492 15157404	19595302050210 18582102050217	Pressure Monitoring / SCADA / RTU Obsolete Equipment	NE	Elwood	Tipton	PRESSURE RECORDING CHART WITH ERX IN TIPTON 1000 S MAIN ST-REBUILD METER SET	2019 2020	2019 2020											N	Construction is in programs

Vectren North Compliance Plan - Distribution Modernization Projects

																	1 460
Database Project Number	Maximo Work Order Number	Oracle Project Number	Project Category	Division	oc	City	Project Short Description	Previous Planned Year (4/1/20)	Current Planned Year	Previous Estimate (4/525) Current Estimate (3) Variance (5) (5)	Timing Variance Commentary (Current Fall 2020 Filing)	Estimate Variance Commentary (Current Fall 2020 Filing	Current Period Actual Spend (1/1/20 -6/30/2020)	nception to Date Actual Spend (1/1/14 - 05/33/2023)	Actual Spend Variance Actual Spend Variance (%)	In-service? (Yor N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)
582	9501922	17595002650223	Bridge Crossings	NW	Terre Haute	Terre Haute	IN TERRE HAUTE-5 7TH ST & THOMPSON DITCH	2020	2020							v	An additional 100° of main was installed with associated estra restoration to asold conflict with unlocated sambary server. Asoldance of server also required service lie-ins at extra depth.
																	Vesseriation to suice control wer unaccesse senting leaver. Ascidence of sever also required senice for-ins at estis depth. Main crossed Thompson dich and estra locating time was required to appt other utilises during the crossing due to the minute of depth in the location.
190	9580238	17989002650227	Exposures Bridge Crossings	NW	Terre Haute Danville	Clinton	IN-CLINTON-SPE3 ~- REMEDIATE 6" STL MAIN EXPOSURE IN-AVON-SSIS LARE FOREST DR ~- REMEDIATE 2" STL	2020	2020							N	Construction is in progress. Actual charges include preliminary engineering and partial
207	9697235	17595302650215	Bridge Crossings	NW	Lebanon	Lebanon	NAVIONOSIS LUEZ FOREST DIA - REMERCIATE 7 ST. MANLEDOSOBIE MANLEDOSOBIE MANLEDOSOBIE MANLEDOSOBIE MANLEDOSOBIE MANUEL PARAMENTAL MANUEL PAR	2020	2020							N	Actual charges include preliminary engineering and partial material costs only. Construction is in progress.
238	9769493	17595502656210	Exposures	NW	Atica	Atica	IN-ATTICA - CANADA ST REMEDIATE 4" ST. MAIN	2020	2021		Project reprioritized and scheduled for 2021					N	
267	9576046	19202802054020	Exposures	z	Bioomington	Bioarnington	IN-BLOOMINGTON-BENT PINE ESTATES ~~ REMEDIATE 8" HP STL MAIN EXPOSURE	2020	2020							N	Construction is in progress.
422 5427	NIA NIA NIE	583050001-20 583050003-20 582050003	Inside Neters Ineffectively Costed Steel	NE	NA NA	N/A N/A	2020 NE INSIDE METERS 2020 NE INSIDE ATED SERVICES 2020 NEV ISOL ATED SERVICES	2020 2025 2025	2020 2020 2020							N	
9431 9437	NA NA	58305001-20 58305003-20 585050003 583050002 585050002	inside Meters Instituctively Costed Steel Instituctively Costed Steel Obsolete Equipment Obsolete Equipment	NE	NA NA	NA NA	2020 NE OBSOLETE RISERS 2020 NW OBSOLETE RISERS	2000 2000 2000 2000 2000 2000	2020 2020							N	
1627	16215406	18592402050221	Ineffectively Coated Steel		Bioomington	Bioarnington	INBLOOMINGTON-OCLAN STATION TO BRYANT PARK IN REPLACE 2,149 OF 6" INEFFECTIVELY COATED STL	2020	2020							N	Construction is in progress.
1711	10307450	18592402050218	Exposures	52	Bedford	Dedford	MAIN MAN OF STATE AND A STATE	2020	2021		Project repriorilized and scheduled for 2021					N	Actual charges include preliminary engineering and partial material costs only.
1712	16379315	18592402050225	Exposures	z	Bedford	Bedford	ST. MAIN EXPOSURE IN BEDFORD-111 N OLD SR 37 ~~ REMEDIATE (3) 8" MP ST. MIN EXPOSURE IN GREENCASTLE RW/ENWOOD DR ~~ REMEDIATE 2"	2020	2020							N	material costs only. Construction is in progress.
3822	13823897	17595002050213	Exposures	NW	Greencaste		IST. MAIN EXPOSURE	2020	2020							N	Actual charges include presminary engineering and partial material costs only.
3835	16380007	18592402050229	Exposures	2	Bedford		IN BEDFORD-SOUTH OF STEEL POINT LN ~~	2020	2020							N	Actual charges include preliminary engineering and partial
3840	16273804	18592402050214	Exposures	-	Bedford			2020	2020								material costs only.
3864	14073092	1759550250212	Exposures	NW	Lafoyette	Casicalian	IN-MITCHELL-WEIST OF MITCHELL WATER TREATMENT FACILITY ~~ REMEDIATE 8' HP STL MAIN EXPOSURE IN-COVINGTON-SRUE ~~ REMEDIATE 4' HP STL MAIN	2020	2020							-	Actual charges include presminary engineering and partial
3004	14224954	17583502050210	Exposures	z	Franklin	Franklin	EXPOSISE IN EDINELINGH-5002 S 325 E ~~ REMEDIATE 6" HP STL	2020	2020							N	Actual charges include preiminary engineering and partial material costs only.
3975	16355342	18595302550214	Ineffectively Coaled Steel	NW			INSPONDED AND S JEFFERSON ST & S SCHOOL ST ~~	2020	2020							N	Construction is in progress.
34/5	16355942	1809030200214	Interactively Coaled Selet	NW	Danville	Brownburg	PAGENT *** ADMINISTER *** TREATE AND ADMINISTER NCCONNENDERSE *** TREATENED AT 19° STI. MAIN NCCONNENDERSE *** TREATENATE 6° HP STI. MAIN SDOCKASTER FRANKWISSION STILLT STATUS *** TREATENESS NEED ALCE 3.140 GF Z' INSPECTIVELY CONTENTS ST NEED ADMINISTER STILLT STATUS ************************************	200	2020							N	
4099	15111389	18592402050212	Priority Pipe		Dicomington	Dicomington	OF 4" PE AND 2,310" OF 2" PE TO REPLACE 17	2020	2020							Y	
							IN PIMENTO-E WEEKS DR RS 34000173 ~~ RETIRE										
4101	16355424	18595002050212	Obsciele Equipment	NW	Terre Haute	Pimento	INPRIATE OF WERKS OR RESIDENT TO THE RETRE RECILENCE WERKS OR RESIDENT TO THE RETRE RECILENCE STATION DUE TO DESCLETE RECILENCE AND VALVES, AND ELEVATE PRESSURE OF DESCRETERIAL EXTERNAL	2020	2020							N	1
4102	15131328	18595002050213	Obsciete Equipment	NW	Terre Haute	Terre Haute	OCOMPETERANT SYSTEM IN-TERME INJEES THIST'S ROYSE OR RS 34000144 RETHE REGLATOR STATION DUE TO DESOLETE REGLATOR RAD VALVES, AND ELEVATE PRESSURE OF DOWNSTREAM SYSTEM	2020	2020							N	Construction is in progress.
4102	12131328	189/9004/90/13	Cooperate sugarprinent			Terre reute	REGULATOR AND VALVES, AND ELEVATE PRESSURE OF DOWINSTREAM SYSTEM									N	
4105	16203119	18595302650210	Priority Pipe	NW	Lebanon	Lebanon	IN-LEBANON-2520 N SR 39 ~~ REPLACE 307 OF 10" HP STL MAIN DUE TO PIPE GOUGE UNDER SPLIT SLEEVE	2020	2020							N	Actual charges include preliminary engineering
4114	16712785	19595502050212	Obsciele Equipment	NW	Lafayette	Lafayette	IN-LAFAYETTE-CR W 300 S REPLACE RECTIFIER AND GROUNDEED	2020	2020							N	Actual charges include preliminary engineering and partial
4155	16355795	18595502550210	Priority Pipe	NW	Lafayette	West Lafayette	DE LOVING HIRAM STULIAN IN-LEBANDA XON NER 30 ~ REPLACE 307 OF 107 HP 51, MAIN DUE TO PIPE GOLGE UNDER SPLIT SLEEVE INLAWAYTERCEW 300 S ~ REPLACE RECTRIER AND GROUNDERD INWEST LANATERT SEEDEN DR A HERLOCK RD ~ BEMOVE INCREMENTER SEEDEN DR A HERLOCK RD ~	2020	2020							N	scue crarges include preliminary engineering and partial material costs only.
1				1													Analistical costs ends, An additional tempore was an ended for include the value to be percendent and provider a bygans to the indice because the subger filting indicated on this indice horizontal the indice. The increased on required to perform the adopter/bygans work was much pager than planear lengthing additional instructions. Additional Charges are supercised to suid for tittings, but participants indices the subger of the State of the State in the subger highest is hundlings 20,000 over estimates.
4182	16355919	18595502050212	Obsolete Equipment	NW	Lafayette	Wabash	IN-WABASH-WEST OF NOTH ST ~~ REMOVE 10" STL VALVE THAT SEPARATES PRESSURE SYSTEMS	2020	2020							N	excavition required to perform the atopper bypass work was much larger than planned requiring additional restoration. Additional
1				1													charges are expected to weld the fillings, test and restore the site. Project is trending to \$50,000 over estimate.
4204	16355964	18595002050214	Regulator Station	NW	Greencaste	Greencaste	IN-GREENCASTLE-S BLOOMINGTON ST RS 38003001 ~~ REBUILD REGULATOR STATION DUE TO CORROSION AND PITTING	2020	2020							N	Construction is in progress.
4224	16356015	18595502050213	Exposures	NW	Atica		AND PITTING IN-ATTICA-CR E 1160 N~~ REMEDIATE 4" HP STL MAIN EXPOSURE	2020	2020							Y	An additional 45 of main was installed due to the existing main being discovered at too shallow a depth at the originally planned te- in nointsincreased labor and material costs.
423	16356015	18574102050212	Exposures	NE		-	IN THE REPORT OF THE REPORT OF THE REPORT OF THE PARTY OF	2020	2020							_	being discovered at too shallow a depth at the originally planned te- in noints increased labor, and makerial costs
			, .		Marion	Marion	INEFFECTIVELY COATED STL MAIN IN-SHELTYVILLE-BETWEEN W MECHANIC ST AND W FRANKLIN ST ~~ REFLACE 2,585' OF 6'				-					N	Correction of charge incorrectly applied to project in TDSIC-13
4232	15854439	18583502050214	Ineffectively Coated Steel	æ	Shebyvile		FRANKLIN ST ~~ REPLACE 2,585' OF 6' INEFFECTIVELY COATED STL MAIN IN-STRAUGHN-CR 5 500 E ~~ REPLACE 6,475' OF 2'	2020	2020							N	period Construction is in progress.
4244	16217245	18583302050216	Ineffectively Coated Steel	SE NE	Rushville	- and a second		2020	2020 2020							Y	
4246	16065788	19574102050213	Exposures	NE	Atica		0" INEFFECTIVELY COATED STL MAIN	2020	2020		-					N	Actual charges include preliminary engineering
4213	16446096	19582102050210	Ineffectively Coaled Steel	NE	Elwood		INATION VIEW OF CAN BE A SECTION 7 ~~ ST. MAIN REPORTED INFLUENCE A 33 CUIPI OF SR 28 SECTION 7 ~~ REPLACE 4,33F OF 8" HP INEFFECTIVELY COATED ST. MAIN	2020	2021		Project reprioritized and scheduled for 2021					N	Actual charges, include coeliminary engineering.
																	Actual charges include preliminary engineering.
4367	16992550	19575102050212	Regulator Station	NE	Richmond	Richmond	REGULATOR STATION, RETIRE 3,507 OF 2* AND 3* LP STL MAIN, AND INSTALL 3,307 OF 2* MP PE MAIN INMUNCIE E MCGALLIARD RD ~~ REPLACE 4* STL BRIDGE CROSSING	2020	2020							N	Actual charges include preliminary engineering and partial material costs only.
4023	16796372	TED 18574102050210	Bridge Crossings Bridge Crossings	NE	Mancie			2020	2020							N	Actual charges include preliminary engineering and partial
1418 1442 1442	NA NA	185/4102050210 592050003 592050002	Ineffectively Coated Steel	52	NA	NA	2019 SE ISOLATED SERVICES	2019 2019 2019 2020	2019 2019							N	material costs only.
9442 9419 9443	NA NA	582050002 582050003-20 582050002-20	Ineffectively Coated Steel Obsolete Equipment	2	NA NA	NA NA	2020 SE USDOLE IE INSERG 2020 SE ISOLATED SERVICES 2020 SE OBSOLETE INSERS	2019 2020 2020	2020 2020 2020							N	
2554 2553	NA NA	552050001-20 552050001-19	Indije Ursainge Ineffectively Coated Steel Obelete Equipment Ineffectively Coated Steel Obelete Equipment Ineffe Meters	2	NA	NA	INCAT UNUME-POWERS STREET NO. ARCANCO 2019 SE ISSUED SERVICES 2019 SE CRECUETE RESIDE 2020 SE ISSUED SERVICES 2020 SE ISSUED SERVICES 2020 SE ISSUER METERS 2020 SE INSUER METERS	2020 2019	2020							N	
4015	10534098	19592002050210	Encroachments		Medison	Madison	IN-MADISON-CRESTWOOD DR & BELLAIRE DR ~~ REPLACE 1-1/2" STL MAIN ENCROACMENT WITH 2" PE	NA	NA							N	
3723	13494428	16595002050215	Shakow Pipe	NW	Greencaste	Cioverdale	IN-CLOVERDALE-EAST OF US 231 SOUTH OF US 40 ~~	NA	NA							N	
3802	16087527	18592402050220	Exposures	z	Medison	Madison	N-MADISON-664 & G71 SPRING ST ~~ REMEDIATE EXPOSED 34* 5TL SERVICE LINE IN-ANDERSON-W 25TH ST-REPLACE SHORTED 8* STL	NA	NA							N	
4893	17215750	19582102050213	Casings	NE	Anderson	Anderson	IN ANDERSON W 25TH ST-REPLACE SHORTED & STL MAIN AND CASING	2020	2020							N	Actual cranges include preiminary engineering and parties material costs only.
2876	NIA 10909436	555050001 19573302050214	Inside Melers Regulator Station	NIX	NA New Castle	NA New Castle	IN-ANDERSON-W 25TH ST-REPLACE SHORTED 8" STL MAIN AND CASING 2019 NW INSIDE METURS INNEW CASTLE-S MAIN ST - REBUILD REG STATION 1033	2019 2020	2019 2020							Y	
123	16804409	19575102050214	Regulator Station	NE	Richmond	Richmond	1633 IN-RICHMEND-N 13TH AND N H ST REPLACE REG STATION 1850	2020	2020							N	Construction is in progress
475	17199726	19592502050214	Casings	2	Columbus	Columbus	1633 BINDCHMENSON ISTHAND NHST - REPLACE REG STATION ISSO HACCULARUS-JONATIAN MODRE PK (SING) AT SR 11- REPLACE SHORTED I'P STL MAIK AND CASING HANE DIVISIONE LIMINATE (J) PT ST PP PRESSURE SYSTEM SEPARATING VALVES IN SEE DIVISIONE LIMINATE (J) INT DI PP PRESSURE	2020	2020		Duplicate project - Charges to be transferred to 18592602061215					Y	Correction of charge incorrectly applied to project in TDSIC-13 period
4050	17145520/17157163	19582102050212	Obeciete Equipment	NE	NA	NA	IN-NE DWISION ELIMINATE (11) MP TO HP PRESSURE SYSTEM SEDARATING VALVES	2020	2020							N	Construction is in progress
4052	17710381	19583302050210	Obsciele Equipment	z	NA	NA	IN NE DIVISION ELIMINATE (11) MP TO HP PRESSURE SYSTEM SEPARATING VALVES IN SE DIVISION ELIMINATE (2) MP TO HP PRESSURE SYSTEM SEPARATING VALVES INHLINTINGTON REG STA 1754-INSTALL INLET VALVE	21000	2020							N	Construction is in progress
4931	17171185	19574102050215	Obsciele Equipment	NE	Huntington	Huntington	INHENTINGTON REGISTA 1754-INSTALL INLET VALVE	2020	2020							Y	Construction is in progress
4932 4933	17170298 17170240	19575102050216 19582102050214	Obsciele Equipment Obsciele Equipment	NE.		Anderson	IN-RICHED-REG STA 1629-INSTALL IN ET VALVE IN-ANDERSON-REG STA 146-INSTALL IN ET VALVE	2020 2020	2020 2020		Project identified and prioritized to 2020 to eliminate known values that separate MP and HP pressure					Ÿ	Construction is in progress Construction is in progress
4955	17157163	19573302050215	Obsciete Equipment	NE	Mancie		INMUNCIE-ELIMINATE (5) MP TO HP PRESSURE SYSTEM SEPARATING VALVES	NA	2020		known valves that separate MP and HP pressure systems Project identified and prioritized to 2020 to install					N	
4957 5015	17128721	19595002050213 20573302050215	Obsolete Equipment Obsolete Equipment	NW	Terre Haute	Terre Haute	INSTALL INLET VALVE	NA	2020		required inlet valve at regulator station Project identified and prioritized to 2020 to regiace					N Y	+
316	17/04140	205/4402050215	ubecete Equipment	NE	reew Castle	regendown	IN TERRE HAUTE RECILEATOR STATION 54000114 ~~ INSTALL INLET VALVE IN144GERESTORM-REPLACE RELIEF VALVE AT REG STATION 1539	NA	2020		leaking and checkle relief value					Y	<u> </u>
131	17152975	19575102050215	Regulator Station	NE	Richmond	Richmond	IN-RICHMOND-REBUILD REG STATION 1838	NA	2020		2020, replace pit regulator station 1838 at Toamhouse Village apartments on N.A.22 in Richmond and bring station above ground due to the condition of the pit wells deteriorating and condition					N	
											recrimenta and pring assess above ground due to the condition of the pit walk deterrating and condition of price in the nit.						
											2020, replace pit regulator station 1017 on SW correct of 5 13th 52 and 5 On to Reduce						
4351	17422090	20575102050210	Regulator Station	NE	Richmond	Richmond	IN-RICHMOND-REBUILD REG STATION 1817	NA	2020		2020, replace pit regulator station 1817 on SW corner of S 13h St and S O at in Richmond and bring station above ground due to the condition of the pit walks deteriorating and condition of pipe in the pit. Also, removed is value between inist and cullet					N	1
											pit. Also, removed to value between iniet and outlet of atalico						
490	17803912	20592602050210	Casings	52	Greensburg	Greensburg	IN-GREENSBURG-WEBER LANE ~~ REPLACE SHORTED CASING	NA	2020		p. Feb, feitore of station Casing miligation prioritized to 2020 due to pipeline with shorted casing not going to be relined by end of 2020					N	
3793	11355711	17592602050213	Casings	2	Columbus	Columbra	IN-COLUMBLE-4735 INDIANAPOLIS RD-RETIRE 4" STL MAIN AND CASING AND INSTALL 1,014" OF 2" PE MAIN,	NA	2021		Poinct reprioritized outside current Plan						
						Countrols	IN GREENSBURG-WEBER LANE ~~ REPLACE SHORED CASING INCOLLIMENTS INDOMODELS RESPERTING 4" STL MAIN AND CASING AND INSTALL 10 HOF OF 2" PE MAIN, RETHER FIT REQLATOR STATION AND INSTALL 1025 OF 4" PE MAIN										
5026	17710138	20582102050213	Obsciele Equipment	NE	Elwood	Tipton	IN-TIPTON-REG STA 32-INSTALL INLET VALVE	NA	2020		Project identified and prioritized to 2020 to install required inlet value at regulator station						The 1.784 feet of main extension portion of project is revendented
							INCOLUMN IS AND S MADE RD an REPLACE SHOPPING				Project reached and in 2021 day to when d						The 1,784 feet of main extension portion of project is completed but railroad crossing has been delayed. Permit approval has been received, but due to the CCVID-19 the railroad is not scheduling any flaggers or inspectors at this time.
3675	12587872	17592602050214	Casings	52	Columbus	Columbus	IN-COLUMBUS-680 S MARR RD ~~ REPLACE SHORTED 4" STL MAIN AND CASING	2018	2021		Project rescheduled to 2021 due to nelhoad inspection delay					Y	any flaggers or inspectors at this time.
							NORMOTORY I EVENT OF CESSIONE AND										
	-11202013		Chaine Tipe	-	Genterient		STERAN	**	-							N	Available 1 F1 PD Davail To b
475	15738257	18592502051215	Casings	æ	Columbus	Columbus	IN-COLUMBUS-JONATHAN MOORE PK (SRN6) AT SR 11- REPLACE SHORTED 6' HP STL MAIN AND CASING	2020	2020		Availing LSI RR Permit					Y	Availing LSI RR Permit. The in, retirement and casing grout needed.
3867	14105258	16595502050259	Obsciete Equipment	NW	Lafayette	Muberry	ET IMAN N-COLUMBUS-JONATHAN MCORE PK (2016) AT SR 11- BEPLACE BYRTED & IP ST. MAIN AND CASING N-MALERENY-JEFTEDBECH RD PS 0000025 ~- REBULD SINGLE FEED REGARDER STATION DUE TO NORPHALE OUTLET VALVE.	2018	2018							Y	
224	10523609	14595802050210	Ineffectively Coaled Steel	NW	Crastrat-1	Creation -	INOPERABLE OUTLET VALVE IN CRAWFORDSVILLE-US221 AND 1-74 S ~- REPLACE 2.007 OF 2* STL INEFFECTIVELY COATED STL MAIN	2018	2018							×	+
-44		**************************************	a ministrative y COBBIC 5500		G awforcevil			a10	a710							,	Due to the difficulty of this project with tie in locations 7 feet deep
1880	13495322	17585002650220	Casings	NW	Terre Haute	Terre Haute	IN TERRE HAUTE-E. HUMAN DR. & S. SR.46 ~~ REPLACE SHORTED 6" STL MAIN AND CASING	2018	2018							Y	adjacent to a signaled intersection of a city street and a state highway, construction labor was much higher than estimated.
				-	-	-											Cas to the difficulty of this project with the in locations 7 feet deep adjacent to a signaled intersection of a city attreat and a state highway, construction bloor was much higher than estenated. Increased that control at the historication data is the heary hafflic- denies in history control at the historication data being the Costs of negation and tholds plast wave more how administ.
325	13506598	17565002650225	Obeciete Equipment	NW	Terre Haute	Terre Hp-4	IN TERRE HAUTE-RS 3H198851131 ~~ REPLACE OBSOLETE REGULATORS	2019	2019							Y	Control register application, non-standard materials ware nonemary to handle regulator station load/pressure differential requirements identified after estimate was created. System modeling and load analysis is dynamic and can change design
			Repayment				CREALETE REGULATORS										requirements identified after estimate was created. System modeling and load analysis is dynamic and can change design
		1		1	1	1							The second se				

																				-		tioner's Exhibi Attachment No. 44430-TD Vectren	SAH-5 SIC-13
									Compliance Pla	Vectren In - Distributio	n Modernization												e 4 of 4
Database Project Number	Maximo Work Order Number	Oracle Project Number	Project Category	Division	oc	City	Project Short Description	Previous Planned Year (4/1/20)	Current Planned Year	Previous Estimate (4/1/20)	Current Estimate	Estimate Variance (\$)	Estimate Variance	Timing Variance Commentary (Current Fail 2020 Filing)	Estimate Variance Commentary (Current Fall 2020 Filing	Current Period Actual Sp (1/1/20 -6/30/2020)	and Inception to Date Actual 5 (1/1/14 - 05/30/2023)	cend Actual Spend V	Variance Act	ual Spend Variance (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)	
27	15348929	17573302650222	Exposures	NE	Muncie	Muncie	IN-MUNCLE-3400 SR 28 ~~ REMEDIATE EXPOSED 3" STL MAIN	2019	2019				1.00								Y	Essenant costs exceeded estimate. Minimal trailing charges in CSIA-12 period.	
3685	15157317	18573302050213	Casings	NE	Mancie	Muncie	IN-MUNCIE-4704 S MADISON ST ~~ REPLACE SHORTED 4" STL MAIN AND CASING	2019	2019												Y		
4833	16974903	19583502550210	Casings	ж	Franklin	Whiteland	IN WHITELAND-MAIN ST ~~ REPLACE SHORED J' STL MAIN AND CASING	2019	2019												¥	Original withmake was to replace the shorted cauling but instead the pipeline segment under railroad was releved and not replaced. Construction was only to cut and cup the main on such side of the railroad tracks, just outside of railroad RWV, stopping flow of gas. Cost was greatly reduced because on main was replaced under railroad. Trailing charges associated with the retirement of the	

Vectren North Compliance Plan - Bare Steel and Cast Iron Projects

Database Project	Maximo Work Order Number	Oracle Project Number	Division OC	City	Project Short Description	Estimated Installed	Estimated Retired Footage	Estimated	Previous Planned	Current Planned	Previous Estimate (41(20)	ete Estimate Variance	Estimate Variance	Timing Variance Commentary (Current Fall 2020 Filling)	Estimate Variance Commentary (Current Fall 2020 Filing	Current Period Actual	Inception to Date Actual Spend	Actual Spend Variance (5) (5)	In-service?	Actual Spend Variance Commentary
Number						T GOODAGE					(4(1/20)	(\$)	69	(Current Fail 2020 Filing)	(Current Fall 2020 Filing	Spand (1/1/20 -6/30/2020)	(1/1/14 - 06/30/2020)	da (%)	(Y or N)	7 Actual Spand Variance Commentary (Current Fail 2020 Filing) Project Cost excesses a summarican to a transmission of the same cost of the sam
N-871	13584900	16582102052215	NE AN	ALEXANDRIA	IN-ALEXANDRIA-N-871-85CI	5,505	5,960	59	2018	2018									Y	the street due to tree plots and brick sidewalks, also install an 80° of main to catch a service on West St. The IRR Crossing construction portion of this provide service and the 2020 due to adminishe ansmitt
																				The largest caule is well pield and the closedwards, also incluse an our or main to experient and effective and the closedwards, also incluse and our of main to experient and endpended to 2020 calls to closedwards permitti- could not be located (phartured) driving higher restoration costs and areas locating costs. There Huddris assessmentations the out-phase with the clearing. This fail constants of a rowsh they could not keep up with the clearing. This disc constants of an out-match the as-shalls and time and elsening. This fail constants of an out-match the as-shalls and time and
																				cleaning, but due to the volume of work they could not keep up with the cleaning. The field conditions did not match the as-builts and time and
N-108	14810717	17595002052215	NW TH	TERRE HAUTE	IN-TERRE HAUTE-N-108-BSCI	5,055	6,390	74	2019	2019									Y	excavation were needed to the proper te-ins and locations for retrements. Due to the change in the retirement location 500' of main and 4 services were
																				added. T&M charges necessary for building of multi-meter sets and investigation of exting tie-ins. The project also took longer than expected due to the amount of open hard surface excavation driving up impaction costs. Charges in TDSIC-13 period are associated with main relevement, inspection
N-1084	14805808	17582102052217	NE AN	TIPTON	IN-TIPTON-N-1084-85CI	4,945	6,715	64	2019	2019									Y	Change in accept – pipe was hutdlied in greenpace. Avoiding sheet husdliefon investmentation and an apprent coals by he Chy of typin reasons coals accent or sever obcess more the other or narrangion as not locate sever lines and their party locating contractor readed to be hield. Also, addisonal registrant and labor coals sever incurred due to encountering rody and alweing productivity during installator.
N-1085	14805856	17573302052214	NE MU	HAGERSTOWN	IN-HAGERSTOWN-N-1085-BSCI	4,215	7,025	51	2019	2019									Y	Additional coats incurred for sever localis and the four or municipal ad not locate sever lines and third party locating contractor needed to be hired.
																			<u> </u>	Also, additional equipment and labor costs were incurred due to encountering rocky soil alowing productivity during installation.
																				T&M performed by contractor to clear and repair part of sever line in order to insert current to locate sever maintaines. Additional fer-im required due to re-locating mains to the opposite side of sitnet because of sever conflicts. Nooky and uncountered in serve locations resulting in additional installation
N-1088	14807030	17574102052210	NE MR	HUNTINGTON	IN-HUNTINGTON-N-1088-BSCI	5,685	6,740	72	2019	2019									Y	Rocky soil encountered in some locations resulting in additional installation costs and it was necessary to install three street crossings by open tench
																				costs and it was necessary to install three street crossings by open trench rather than planned HDD due to inability to locate utilities. Restoration costs were oreater than estimated due to the additional open trench installation.
N-1097 N-110 N-1155	12392233 14810864 14813384				IN-FRANKFORT-N-1097-BSCI IN-TERRE HAUTE-N-110-BSCI IN-MARTINSVILLE-N-1105-BSC	3.795 5.550 2.820 6.475 5.165	5.935 4,190 3.660	102 44	2019 2019 2019	2019 2019 2019						-			Y Y	
N-1105 N-1170	14813607 14813660				IN-MARTINSVILLE-N-1155-85CI IN-KNIGHTSTOWN-N-1165-85CI IN-KNIGHTSTOWN-N-1170-85CI		3,660 6.770 6,770	100 65	2019 2019	2019 2019									Y	Main installation location was chanced from under covernent to oreenacace
N-120 N-121	13584524	16582102052214 16582102052213			N-ELW00D-N-120-85Cl N-ELW00D-N-121-85Cl	2,455	2,615	21	2019 2019	2019 2019									Y	which reduced restoration costs.
N-121 N-1450	15123952	17573302052224			IN-REWOOD-N-121-BSCI	3,590	4,300	40	2019	2019									Y	Main installation location was changed from under pavement to greenapace
N-1458	14808984	17573302052216	NE MJ	PARKER CITY	IN-PARKER CITY-N-1458-BSC	2.310	2.450	22	2019	2019									Y.	Construction complete, but not all charges have been incurred.
N-1522	14293287	17592402052210	SE BL	BEDFORD	IN-BEDFORD-IN-1522-BSCI	5,705	5,580	65	2019	2019									Y	PE main by open cultiverships of the second
																				Increased to perform the open cut trench excavations for multiple segments of the new main installation.
N-1635	14695507	17592602052212	SE CO	COLUMBUS	IN-COLUMBUS-N-1638-85CI	5.300	3.700	63	2019	2019									Y	and excavation work activities Open trench excavation of the rocky soil was
																				Indiraction web whiles: Open teach execution of the output of an applied at loss boards on ECV or ECV parents of a second of a second of a Addition can were incred to expanse an easement of a loss hand. Addition can be used to apply a second of the second of combution. Split services where a branch area to be the execution particular and the second of the second of the combution. Split services and the second of the additional second second of the particular based of the second of the the second of the particular based of the combution. Second of the additional second second down. Second Apple (apple triangs) and the particular based based down. Second Apple (apple triangs) and the presence of the the second down and the additional second second down. Second Apple (apple triangs) and down and additional second second down. Second Apple (apple triangs) and down and the presence of the additional second second down. Second Apple (apple triangs) and down and the presence of the additional second second down. Second Apple (apple triangs) and down and the additional second second down. Second Apple (apple triangs) and down and the additional second second down. Second Apple (apple triangs) and down and the additional second second down. Second Apple (apple triangs) and down and the additional second second down. Second Apple (apple triangs) and down and the additional second down. Second Apple (apple triangs) and the additional second down and the additional sec
N-1713	14813854	17592402052215	SE BL	BLOOMINGTON	IN-BLOOMINGTON-N-1713-BSCI	4,895	5,255	45	2019	2019									Y.	or 2 Plastic main extension to earninate sen' speri services isolenned ouring construction. Split services where a branch service is tied into an existing service line and cosase multiple properties do not meet current design
																				standards due to increased damage risk. The costs incurred in the TDSIC-13 period were for traffic control, reatoration and inspection costs for the
																				additional work described above. Some Aldyl-A pipe (vintage leak-prone polyethylene) and eight services were identified and replaced - not in original work acops or estimate.
																				yeark acope or estimate. 250' of additional main was installed as "dual main" on either side of street to
N-1768	14809300	17582102052219	NE AN	ANDERSON	IN-ANDERSON-N-1768-85CI	7,115	5,220	111	2019	2019									Y	250 of additional main was installed as "dual main" on either aide of sheet to avoid cosaing multiple utilities located in the sheet. Costs for saver locating and app to hole to local other utilities waver greater than estimated da lo lazasi areare challenges and quartity of other utilities in the work area. Perform of the more main was installed in the street to avoid areare in the right
																				usual server chasenges and quantity or other utilities in the work area. Portion of the new main was installed in the street to avoid server in the right of way newline in additional understanding costs.
N-1990	14811202			LAFAYETTE	IN-LA/AYETTE-N-1990-85CI	2.650	2.755		2019	2019										Profile of the new main was installed in the showlo avoid sever in the right of easy operation of the new main seas installed in the showlo avoid sever in the right of the showle set of the second second second second second second second seasement installed the gas main. The seasement acquisitions and survey costs added 444.000 to the project. The revised noise also resulted in more open methy handbalance and restruction them estimated.
		17595502052213						10											Y	essement install the gas main. The easement acquisitions and survey costs added \$44,000 to the project. The revised route also resulted in more open tearch installation and restoration than estimated
N-2087 N-2093	14878430	17583302052218 16583302052214	SE GF	KNIGHTSTOWN GREENFIELD	N-KNGHTSTOWN-N-2087-BSCI IN-GREENFIELD-N-2080-BSCI	6,175 5,515	6,175 6,235	10 94	2019	2019									Y	500° of 2° skeel main and 9 services was replaced on another project outside
N-2117	13585366	16573302052216	NE MJ		IN-MUNCIE-N-2117-BSCI	3,410	2,620	18	2019	2019									Y	of BSCI, which lowered the cost of this project.
N-2133	13705644	16583302052218			IN-GREENFIELD-N-2133-BSCI	5,260	5,280	45	2019	2019									Y	Project was originally estimated to trench 2100' of 2' plastic main. Contractor was able to boxe main in instead of benching, reducing cost by eliminating
N-2139	14811295	17595502052214	NW LA	FRANKFORT	IN-FRANKFORT-N-2132-85CI IN-MARTINSVILLE-N-2142-85CI IN-MUNCE-N-2142-85CI	3.465	3.485	42	2019	2019						-			Y Y	reatoration and completing project quicker than anticipated.
N-2140 N-2142 N-2147	14813966 14809379 14809581					5.330 1,920	5.505 3,805	35	2019 2019 2019	2019 2019 2019									Ý	It was necessary to move the installation from green space to street due to other utility conflicts resulting in higher reatoration cost and additional 320 feet df classific size.
N-2147 N-2165	14809581 14809513				IN-HAGERSTOWN-N-2147-85CI IN-MUNCE-N-2165-85CI	3,655	3,170	51	2019 2019	2019									Y	other utility conflicts resulting in higher restoration cost and additional 320 feet 8° plastic pipe.
N-2165	14809631	17573302052220			IN-MUNCIE-N-2165-BSCI	2,775	2,795	44	2019	2019									Y	The sewer lines could not be located, additional carriers work was required on T&M , and some open trench installation resulted in higher restoration cost.
N-2168	14814103	17592602052217	SE CO	COLUMBUS	IN-COLUMBUS-N-2168-89CI	4,735	4,170	72	2019	2019									Y	The sewer lines could not be located, additional camera work was required on T&M, and some open hunch installation resulted in higher restantion cost. Relocated the main to the meeting rgass area, shorteming the length of long services and also resulted in less restoration costs.
N-2221 N-2229	15510238 14810121	18582102052212 17575102052213	NE AN NE FU	RICHMOND	IN-CHESTERFIELD-N-2221-BSCI IN-RICHMOND-N-2229-BSCI	5,295 5,560	4,770 5,590	71 88	2019 2019	2019 2019									Y	
																				control costs. In addition, several of the tie-in locations were deep and directly adjacent to the roadway. Also, installed an additional 650 feet of 2 Inch main and 7 services due to the discovery of 2 Inch galvanized pips and they could
N-2301	14812503	17595302052216	NW DA	CRAWFORDSVILLE	IN-CRAWFORDSVILLE-N-2301-85CI	9,860	9,665	100	2019	2019									Y	and 7 services due to the discovery of 2 inch galvariaed pipe and they could not weld on the galvarized main. Charges in TDSIC-13 period were associated with referenent, inspection and restoration that carried over into
N-2308	14812453	17595302052215	NW DA	CRAWFORDSVILLE	IN-CRAWFORDSVILLE-N-2308-85C	10,865	8,835	158	2019	2019									Y	2020.
																				Additional costs incurred to open cut trench install the proposed new main as work creares were unable to locate server on W lint & (Date Highway 44) for the required 120H of new 2* plastic main. Restoration cost was increased because of hard-surface trenching required across alwy between 5 Harrison
																				because of hard-surface trenching required across alley between S Harrison and S Jackson St. S Jackson S entrance. S Pair IS entrance. S Miley Ave
N-2376	14878459	17583302052219	SE GF	RUSHVILLE	IN-RUSHVILLE-N-2376-85CI	2,300	3,115	29	2019	2019									Y	bacasa of hand-sudice benching required across ally between 5 Homoson and 3 Jackson 5 Jackson 5 Homoson 5 Homoson 5 Homoson Mort Funder 3 Approximately a document of the sector of the sector Mort Funder 3 Approximately a document of the sector of the sector RF Find 3, document of the sector of the sector of the sector of the RF Addition of garantia of talenasis, cursh, and galar requires of 3 Jackson 5, etc. 3 Lange transform 4 Applies and 5 Homoson 5 Homoson FIDD was not septimity planness that could not be performed due to unicodable Mort Galard Sparse 1 (2015) - 13 period.
																				on W First St, sidewalk corner repairs at S Harrison, S Jackson, and S Pearl St. Additional 6 panels of sidewalk, curb, and gutter repair on S Jackson St,
																				and a large menon in Aley wast of 5 marrison bo because of nearby utilities HDD was originally planned but could not be performed due to unlocatable sessar or conflicts with other utilities identified during construction. Minimal
				COLUMBUS			3,180													Inaling charges in TOSIC-13 period. Reduced 2" main installation by 100" and did not need to replace 44 service
N-2400	14816543	17592602052218			IN-COLUMBUS-N-2400-85CI	3,755		59	2019	2019									Y .	Reduced 2" main installation by 100" and did not need to replace 44 service risers and meter sets which reduced the cost of service installation. Change in scope, 13/10 lead of main was installed in generapace, which resulted in limited restoration costs. Trailing charges associated with
N-2417	14929270	17574102052212			IN-MARION-N-2417-BSCI	1,790	1,765	25	2019	2019									Y	resulted in limited restoration costs. Trailing charges associated with restoration in TDSIC-13 period.
N-2450 N-285	15717425 14816579	17592402052219	SE BL	BLOOMINGTON	N-BLOOMINGTON-N-2450-85CI IN-BLOOMINGTON-N-285-85CI	1,650	1,625 3,275	20	2019 2019	2019 2019									Y	requirements from historical society mandated replacement with brick. Not all
N-303	14810226	17573302052221	NE MU	MUNCIE	N-MUNCE-N-303-85CI	3.140	3.120	51	2019	2019										requirements from historical society mandated replacement with brick. Not all these areas could be avoid or main installed by HDD (to minimize brick restoration) resulting in greater than estimated restoration costs. In one area planned for HDD, utility conflicts required installation of 1351° of main by open
N-303	14010220		NE MU	MUNUE	www.exue-N-303-BSCI	3,140	3,120	51	2019	2019									l '	trench increasing restoration costs even though main was moved to opposite
																				aide of road to avoid brick.
N-381	14810245	17582102052220	NE AN	ANDERSON	IN-ANDERSON-N-381-BSCI	4,960	6,940	117	2019	2019									Y	Additional costs incurred for server locating since the lown of Anderson did not locate sever lines. 1,310 feet of main installed by open tench due to inability to locate all sevens and to avoid large treas. Reatoration costs were greater than estimate due to curb and sidewalk replacement required due to open
		1700234	NE AN		N ANDERSON N SET BROW	5,410	8,735	77		2019										This is an old section of the town with difficult to locate sever lines. Required open out teach installation of the mains in the steet, which resulted in higher extensions and toeffic control costs. Additional 1, 400 feel of plasmic main installed due to estalling plantic main planned for reuses with the new main that indeed due to estalling plantic main planned for reuses with the new main that the steel of the state of the steel of the steel in TMD/F with the top of the top of the steel
N-382	14810295	17582102052221	NE AN	ANDERSON	IN-ANDERSON-N-382-85CI	5,410	0,735	"	2019	2019									ľ	reatoration and traffic control costs. Additional 1,400 feet of plastic main installed due to estatling plastic main planned for reuse with the new main that fold duements that Minor model of desame to provide a 17000 minor.
N-405	14810360	17573302052222	NE MU	MUNCIE	IN-MUNCE-N-405-BSCI	2,890	7,335	50	2019	2019									Y	Installation moved from green pace to the street to avoid conflict with fiber optics. Increased pavement restoration and the number of spot holes in
N-507	14878402	17583302052217			IN-DUBLIN-N-507-BSCI	6.175	7,140	70	2019	2019									- Y	pavement for locale other utilities in the street.
N-508	14816596	17583302052216		DUBLIN	IN-DUBLIN-N-505-BSCI	2,685	2,840	40	2019	2019									Y	Project was was associated to a completely enclosed, our man was instanted by devotored how which resulted in less readoration costs. Project was estimated to be completely tenched, but main was installed by devotored bore which resulted in less readoration costs.
N-588	14810490	17582102052223	NE AN	ANDERSON	IN-ANDERSON-N-588-85CI	4,740	8,130	65	2019	2019									Y	cultures in a safey. It was determined any point action by each of the main was not in easement and best option was to install new main in alley to serve the customers. Trailing charges in TDSIC-13 period primarily for
N-616		15592602052212	SE CO	COLUMBUS	IN-COLUMBUS-N-616-85CI	3,695	5,880	78	2019	2019									Y	restoration.
N-644 N-651	12398709	15592602052213		COLUMBUS	N-COLUMBUS-N-644-BSCI N-COLUMBUS-N-651-BSCI	4,385	5,210	65	2019 2019	2019 2019									Y	Relocated the main to the generapace area, shortening the length of 17 long services and also resulted in less realization costs.
N-651 N-710					IN-COLUMBUS-N-RS1-BSCI IN-TERRE HAUTE-N-710-BSCI	4,760	5,390	72	2019 2019	2019									Y	More main was installed by HDD than estimated reducing restoration costs.
N-712	14812627	17595002052220	NW TH	TERRE HAUTE	IN-TERRE HAUTE-N-712-BSCI	4,800	2,780	65	2019	2019									Y	11 fewer services installed versus planned amount. The project work faster than anticipated neutling in less impection fees. The project was dual main installation and very few sidewalk panels needed replacement resulting in less
N-713	14812653	17595002052221	NW TH	TERRE HAUTE	IN-TERRE HAUTE-N-713-85CI	9,260	6.440	137	2019	2019									Y	reatoration cost.
N-718	14812569	17595002052222	NW TH	TERRE HAUTE	IN-TERRE HAUTE-N-718-BSCI	5,380	6,440	142	2019	2019									Y	An additional 70° of main installed by open trench to 550 McKeen St and additional realization needed at the entire intersection at 6th St & Hulman St. Project scope was reduced by 550° of main and five inactive services.
N-842	14816531	17592402052220	SE FL	MARTINSVILLE	IN-MARTINSVILLE-N-842-85C	11.535	10.410	146	2019	2019									Y	Project scope was reduced by 550° of main and five inactive services.

Vectren North Compliance Plan - Bare Steel and Cast Iron Projects

Database Project Number	Maximo Work Order Number	Oracle Project Number	Division OC	City	Project Short Description	Estimated Installed Footage	Estimated Retired Footage	Estimated Project Services	Previous Planned Year (4/1/20) 2019	Current Planned Year	Previous Estimate (4/1/20) Current Estimate	Estimate Variance (\$)	Estimate Variance (%)	Timing Variance Commentary (Current Fall 2020 Filing)	Estimate Variance Commentary (Current Fall 2020 Filing	Current Period Actual Spend (1/1/20 -6/30/2020)	Inception to Date Actual Spend (1/1/14 - 06/30/2020)	Actual Spend Actu Variance Vi (S)	I Spend lance (Y or N	Actual Spend Variance Commentary (Current Fall 2028 Filing) Construction in progress and is trending on target to estimate.
N-892	14810756	17575102052215		RICHMOND		8,395	6,240	110	2019	2019									Y	The project had 500' more 2" PL installed because additional bare steel main was identified during construction. The main was installed under the aideesik, that causing us to replace the aidewalk panels we removed.
N-1057	17642290	20583002052210	NE NO	NOBLESVILLE	IN-NOBLESVILLE-N-1057-8SCI	4,790	6,690	41	NA	2020				Due to Public Improvement project this project was reacheduled to 2020 Project rearricetized and acheduled for 2021					N	
N-1082 N-1035 N-1039 N-1039	14805750 15980248 15980303	17582102052216 18582102052214 18582102052215 18582102052215	NE AN NE AN	TIPTON ANDERSON ANDERSON	N-TIPTON-N-1082-85CI N-ANDERSON-N-1098-85CI N-ANDERSON-N-1098-85CI R-ANDERSON-N-101-85CI	6.755 4,950 5,600 3.900	6.855 5.200 5.600 4.050	71 81 87	2020 2020 2020 2020 2020	2021 2020 2020 2020				Project reprioritized and acheduled for 2021					N Y	Construction is in progress Construction is in progress
N-1101 N-1107 N-1115	16047482 16047683 14807116	18582102052222 18575102052216 17575102052212	NE RI NE RI	RICHMOND RICHMOND	IN-RICHMOND-N-1107-BSCI IN-RICHMOND-N-1115-BSCI	3.900 4.500 7,170	4.500	00 109 143	2020 2020 2020	2020 2020 2020									Y Y N	Construction is in progress Construction is in progress
N-1151 N-1154 N-1158	15974761 15974854 14813519	18583502052210 18583502052212 17592402052214	SE FL SE FL SE FL	MARTINSVILL MARTINSVILL MARTINSVILL	E IN-MARTINSVILLE-N-1151-85C E IN-MARTINSVILLE-N-1154-85C E IN-MARTINSVILLE-N-1158-85C	4.500 7,170 3,900 4.250 6,400	3,900 4,250 6,550 7,775	57 64 86	2020 2020 2020 2020 2021 2021 2020 2020	2020 2020 2020 2020 2021									Y Y N	Construction is in progress Construction is in progress
N-1392 N-1402 N-1403 N-1405	15584672 15980373 14807258 15980536	16573302052213 18573302052210 17573302052215 18573302052212	NE MJ NE MJ	ALBANY MUNCIE MUNCIE MUNCIE	N-ALBANY-N-1392-85C IN-MUNCE-N-1402-85C IN-MUNCE-N-1402-85CI IN-MUNCE-N-1405-85CI	6.715	7,775 6,718 7,930 13,005	73 92 146 74	2020 2020 2020 2020 2020	2020 2021 2021 2020				Project reprioritized and acheduled for 2021 Project reprioritized and acheduled for 2021					N	Construction is in progress
N-1431	16049032	18574102052213	NE MR	GAS CITY	IN-GAS CITY-N-1431-BSCI	7,575 8,890 5,515	5,370	105	2020	2020									N	Construction is in progress Actual charges include preliminary engineering and partial material costs only.
N-1468 N-1467	15980531	18573302052214	NE MU	MUNCIE	IN-RICHMOND-N-1448-BSCI IN-MUNCIE-N-1467-BSCI	4,800	5,000 6,005	74 79	2021 2020	2022 2020				Project reprioritized and acheduled for 2022					N	Actual charges include preliminary engineering and partial material costs only.
N-1485 N-1523 N-1532	14810891 15075100 14810911	17573302052223 18592402052212 17595302052213				5,025 2,450 4,855	5,285 2,450 5,025	62	2020 2020 2020	2020 2020 2020									N	Actual charges include preliminary engineering and partial material costs only.
N-1532 N-1552 N-1555 N-1555	14810911 15964389 15964605 1596746	17595302052213 18595302052210 18595502052210 18573302052215	NW DA NW LE NW LA	FRANKFORT FRANKFORT	IN-DANVILLE-N-1532-BSC IN-FRANKFORT-N-1552-BSC IN-FRANKFORT-N-1555-BSCI	4,885 750 9,685 4,945	5.025 750 7,275 6.280	62 6 46	2020 2020 2020 2020	2020 2020 2020 2022										Construction in progress
N-1555 N-1565 N-1581	15980746 13705026 14813731	18573302052215 16573302052217 17592602052215	NW LE NW LA NE MU NE MU SE CO	ALBANY ALBANY COLUMBUS	IN-ALBANY-N-1558-BSC IN-ALBANY-N-1558-BSC IN-COLUMBUS-N-1581-BSCI	4,945 6,035 7,230	6,280 5,005 5,280	74 95 118	2020 2020 2020	2022 2020 2020				Project reprioritized and acheduled for 2022						Construction is in progress Construction is in progress
N-1612 N-1730	14813820	17592602052216 18574102052215	SE CO	COLUMBUS	IN-COLUMBUS-N-1612-85CI IN-MARION-N-1730-85CI	3,800 2,245	3,800	58	2020	2021				Project reprioritized and scheduled for 2021 Project reprioritized and scheduled for 2021					N	Actual charges include preliminary angineering and partial material costs only.
N-1702 N-1781 N-1785	15601543 16049283 15981591	18582102052213 18574102052216 18575102052212	NE AN NE MR	ANDERSON GAS CITY RICHMOND	IN-ANDERSON-N-1762-85CI IN-GAS CITY-N-1781-85CI IN-RICHMOND-N-1788-85CI	1.530 5,515 7,475	3.515 3.965 7.230	31 55 97	2020 2020 2021	2020 2020 2021				Project reprioritized and scheduled for 2021					Y N	Construction is in progress
N-1792 N-2053 N-2077	15634589 15975169 15967263	19574102052210 18592002052212 18595302052212	NE MR SE CL NW DA	MARION CLARKSVILLE BROWNSBUR		13,460 5,020	11.290 5,020	127 134 02	2020 2020 2020	2020 2020									Y	Construction is in progress Construction is in progress Construction is in progress
N-2077 N-2143 N-2149 N-2150	15967263 16049365 15971183 15982614	18595302052212 18582102052223 18595002052212 18573302052223 18574102052217	NW DA NE AN NW TH	BROWNSBURG ANDERSON TERRE HAUTE	S IN-BROWNSBURG-N-2017-85CI IN-ANDERSON-N-2143-85CI IN-TERRE HAUTE-N-2140-85CI IN-MUNCE-N-2150-85CI	6,290 5,500 5,700 2,800	5,570 5,500 4,200 2,335	81 85	2020 2020 2020 2020 2020	2020 2021 2020 2020				Project reprioritized and scheduled for 2021					N Y N	Construction is in progress Construction is in progress Construction is in progress
N-2155 N-2155 N-2158 N-2160	15952514 16049405 15975205	185/3302052223 18574102052217 18583502052213 17592402052217	NE MU NE MR		IN-MURLE-IN-2125-85CI IN-MARDON-N-2155-85CI E IN-MARTINSVILLE-N-2153-85C IN-MARTINSVILLE-N-2153-85C	1,900 5,410 4,005		40 29 25	2020 2020 2020 2020	2021				Project reprioritized and acheduled for 2021						Construction is in progress Construction is in progress Construction is in progress
N-2162 N-2187	15975346	18583302052210 18592002052213	SE GF SE CL	CLARKSVILLE	N N-KNIGHTSTOWN-N-2162-85CI N-CLARKSVILLE-N-2187-85C	6,650	5.410 4,200 6,650 2,540	65 83 73	2020	2020 2020 2020 2020									N	Construction is in progress Construction is in progress Construction is in progress
N-2188 N-2203	15975541	18592002052214			N-CLARKSVILLE-N-2188-BSCI IN-MUNCIE-N-2203-BSCI	3,375	3,375	84	2020	2020									N	Actual charges include preliminary engineering and partial material costs only.
N-2210	15071314					4,000	2,900	82	2020	2020									N	Actual charges include preliminary engineering and partial material costs only. Actual charges include preliminary engineering and partial material costs only. Constructions in progress
N-2255 N-2275 N-2278	15975565 14811412 14811473	18583302052212 17595002052218 17595302052214	SE GF NW TH NW DA	GREENFIELD GREENCASTLI DANVILLE	N-TERRE HAUTE-N-2210-85Cl N-GREENFELD-N-2280-85Cl N-GREENFELD-N-2280-85Cl N-GREENCASTLE-N-2275-85Cl N-8ROWNSBURG-N-2281-85Cl N-8ROWNSBURG-N-2281-85Cl	5.150 6,865 10,625 5,320 3,100	5.135 6,815 11,465	69 109 147	2020 2020 2020	2020 2020 2020									N N	Construction is in progress Construction is in progress Construction is in progress
N-2202 N-2275 N-2278 N-2280 N-2281 N-2281 N-2285 N-2218	15975565 14811412 14811473 15971446 15971473 14814355 15971530	18095002052213 18083302052212 17095002052218 17995302052214 18095302052214 18095302052215 17902402052215	NW DA NW DA	BROWNSBUR	IN-BROWNSBURG-N-2280-BSCI IN-BROWNSBURG-N-2281-BSCI IN-BROWNSBURG-N-2281-BSCI	5,320	5,800 3,600	64 67	2020 2020 2020 2020 2020 2020 2020 202	2020 2020 2020 2020 2020 2020 2020 202									N	Construction is in progress Construction is in progress Amendments in progress
N-2285 N-2318 N-2320	14814355 15971530 15971922	18595502052213	NW LA	WESTLAFAYET	IN-8EDFORD-N-2285-85CI TE IN-WEST LAPAYETTE-N-2318-85CI TE IN-WEST LAPAYETTE-N-2320-85CI	2,955 9,800 4,350	2,870 6,800 4,350	28 20 57	2020 2020 2020	2020 2020 2020									N N	Construction is in progress Construction is in progress Construction is in progress Autor development and the second seco
N-2328 N-2339 N-2357	15972016 15974373	18595502052216 18595502052217 18592602052212	NW LA NW LA	LAFAYETTE LAFAYETTE	N-LAFAYETTE-N-2325-85CI IN-LAFAYETTE-N-2339-85CI IN-COLUMBUS-N-2357-85CI	7,120 7,550 2,500	4,415 7,550 2,500	25 46	2021 2020 2020	2023 2020 2020				Project reprioritized and scheduled for 2023					N Y Y	Actual charges include preliminary engineering and partial material costs only. Construction is in progress
N-2307 N-2374	15976039			BLOOMNGTO	N IN-BLOOMINGTON-N-2374-85CI	2,550	2,650	41	2020	2021				Project reprioritized and scheduled for 2021					N	Construction is in progress Actual charges include preliminary engineering and partial material costs only. Construction is in progress
N-2385 N-2395 N-2401	15080075 15080189 14816580 15983161	18592602052213 18592602052214 17592602052219	SE CO SE CO SE CO	COLUMBUS COLUMBUS	N-GREENSBURG-N-2385-85CI IN-COLUMBUS-N-2385-85CI IN-COLUMBUS-N-2401-85CI	150 3,700 3,800	150 3,700 3,800	3 45 55	2020 2020 2020 2020 2021 2021	2020 2020 2021 2021 2021				Project reprioritized and acheduled for 2021 Project reprioritized and acheduled for 2021					N N	Construction is in progress
N-2425 N-2495 N-2512	15983161 16922475 17271277	18592402052214 18592602052213 18592602052214 17592602052214 18575102052213 19595502052210 19595502052212 18595002052214	NE RI NW LA NW LA	COLUMBUS COLUMBUS RICHMOND LAFAYETTE LAFAYETTE TERRE HAUTE	IN-COLUMBUS-P-206-55CI IN-COLUMBUS-P-201-55CI IN-RICHMOND-N-2425-55CI IN-FRANKFORT-55CI-GROUP N-2456 IN-LAFAPTER-N-252-55CI IN-LAFAPTER-N-252-55CI	5,038 2,870 2,600	5,038 2,605 2,600	78 25 20	2021 2020 2020 2020	2021 2020 2020 2021									N	Construction is in progress
N-2512 N-665 N-667 N-668	15974440 15974491 15974579	18595002052214 18595002052215 18595002052216	NW TH NW TH	TERRE HAUTE TERRE HAUTE TERRE HAUTE	IN-TERRE HAUTE-N-667-85CI	4,875 4,300 4,900	5,875 4,300 4,900	80 65 75	2020 2020 2020	2021 2020 2020				Project reprioritized and scheduled for 2021					Y	Construction is in progress Construction is in progress
N-659 N-716 N-897	15074716 17421628 16144222	18595002052217	NW TH	TERRE HAUTE	IN-TERRE HAUTE-N-609-BSCI IN-TERRE HAUTE-N-716-BSCI IN-TERRE HAUTE-N-716-BSCI	5,200 6,000 3,300	5,915 6,000 3,300	84 93	2020 2020 2020 2020	2020 2020 2020 2020									Y Y	Construction is in progress Construction is in progress Construction is in progress Construction is in progress
N-897 N-898 N-294	16144222 15983211 16049779	18575102052218 18575102052214 18582102052225	NE RI	RICHMOND		3,300 5,600 4,725	5,300 6,200 6,965	92	2020	2020 2020 2020									N	
N-589	14290878	17582102052213	NE AN	ANDERSON	IN-ANDERSON-N-589-85CI	7,220	5,760	141	2018	2018									Y	Actual charges include preliminary engineering and partial material costs only. Construction is programs and transfirst to estimate. This project used in-house labor for installation; furtilit control and inspection which resulted in lower overall cost of the project.
N-2009 N-2432 N-903	12842140 15298245 13542778	15573302052214 17592602052221 16575102052210	NE MU SE CO NE RI	COLUMBUS RICHMOND	IN-MUNCIE-N-2058-BSCI IN-COLUMBUS-N-2432-BSCI IN-RICHMOND-N-603-BSCI	4.440 1,015 4,845	4.905 2,105 3,380	54 11 34	2017 2019 2018	2017 2019 2018									Y Y Y	
N-2092	13588961	16583302052213	SE GF	GREENFIELD	IN-GREENFIELD-N-2002-85CI	6,580	2,340	44	2019	2019									Y	yoss or the severe were in assements between norms, which results in lower cost for the sever locates. In addition, contract impector and traffic control costs were lower due to project moving along a lot quicker than anti-indext
N-2193	13785811	16582102052219	NE AN	ELWOOD	IN-ELWOOD-N-2193-BSCI	1,910	2,375	35	2019	2019									Y	Main was installed in greenspace instead of in the alley asphalt as anticipated.
																				1980' of main wate antimuted to be interdent on E 800N due to clean provinty of existing marks however, constructions was lable to bee an unit welfand any manuse. Additionally, the estimate covers the potential tranch of E 1900N for 4750' of 27 main due to clean periodiny of existing marks in on such side of MW and Stephoneldata on noth risk, but a Change in Construction to move the main to be noch side of E 1000N was created and the constructions of extinct and to the construction of the created and the constructions to any lab of the second state of the construction of the construction and be to the construction of the construction of the construction of the second state of the second state of the construction of the construction of the second state of the construction of the second state of the construction of the construction of the construction of the second state of the construction of the construction of the construction of the construction of the second state of the construction of the construction of the construction of the construction of the second state of the construction of the construction of the construction of the construction of the second state of the construction of t
N-2379	14878486	17583302052220	SE GF	RUSHVILLE	IN-RUSHVILLE-N-2379-85CI	9,390	8,755	9	2019	2019									Y	4780' of 2' main due to close proximity of existing main on south side of R/W and belephone.idata on north side, but a Change in Construction to move the main to the north side of 11: 1000' was created and the contractor was able to
																				durations of the project was estimated to take about 5-5 months but due to
N-1081	11062082	14583402052210	NE AN	TIPTON	IN-TIPTON-N-1061-85CI	6,875	6,565	106	2018	2018									Y	uses of install, the project sent suickly and was corrolated in about 2 months. Realization cost was higher than expected due to relocating main from green space to stream because of still conflict. The Chyof Tytop permitting fees. higher than anticipated due to move into street and charge in permitting fees.
N-1083	11062143	17582102052214	NE AN	TIPTON	IN-TIPTON-N-1085-85CI	5,580	6,110	π	2018	2018										higher than anticipated due to move into street and change in permitting fees. Due to difficulty of locating sever lines, open trench installation was required for the entire project which increased the restoration and additional permit
																				costs. Unable to locate severa using standard methods accuring additional line and
N-1102	12097884	15582102052210		ANDERISON		6,495	8,555	85	2018	2018									Y	material to locate laterals through the sever main. An additional 157 of unanticipated main installation was required to supply an alley north of the primary main - not indicated on historical records.
N-1163 N-201	13585084	16592602052210 17573302052213			IN-COLUMBUS-N-1163-85CI IN-MUNCE-N-201-85CI	3,030	2,990	44 29	2018 2018	2018 2018									Y	Due to difficulty of locating sever lines and other utility conflict, a large portion of the project had to be open cut trenched which increased realization coats.
N-2055	13585582	16592002052213			LE IN-JEFFERSONVELE-N-2055-85CI	5,200	4,765	102	2018	2018									Y	
N-2135	15943821	18592002052210	SE CL	JEFFERSONVL	LE 15943821-IN-JEFFERSONVILLE-N-2135-8	4,245	4,055	38	2018	2018									Y	Additional costs incurred due to a change in installation method - tench Installed IrDD - that increased exetension costs for 3,150° of new 6° PE main in payment. Tenchning was required data to field identified conflict/postnity to estating a 31° water main lines. Also a target portion of the event focates was not possible to complete data to serve blockage.
N-2191	13788515	16582102052218	NE AN	ELWOOD	IN-ELWOOD-N-2191-85CI	3,865	5,540	42	2018	2018									Y	
N-2277	13381776	17582102052210		ANDERSON		6,250	6,000	5	2018	2018									Y	The original design was to install 1850 feet of 8" plastic main under interstate which had to be changed to 1850 feet of attest pipe due to federal highway. Requirements which forceased material and installation cost. Minimal trailing chances in TDSRC-12 certicsl.
N-404	13584549	16573302052215	NE MU	MUNCIE	IN-MUNCE-N-404-85CI	4,345	7,135	57	2018	2018									· ·	charges in TD3R-12 certod. Could not locate the severa by traditional methods which required installation of main by open trench method increasing realization costs.
						-														of main by open trench method increasing realocation costs An additional 500° of main and & services were installed to maintain feed to accommodate the planned relatement of the existing regulator atation. Also, additional traffic control and realocation costs were incurred with the added
																				additional traffic control and reasonant or costs were incurred with the added main and services. 400' of additional 4" main was installed to replace existing
N-585	13589525	16592402052210	SE BL	BLOOMINGTO	N IN-BLOOMINGTON-N-585-BSCI	2,505	5,265	44	2018	2018									Y	abilitoria transic control uno instanzanos costa were incluindo vien time acade proteina des Abicos, esclargo e sedericos recomo tenen aciones consultationa restalación o da neve sectora ol d'abiatic main (peptros. 1007) along 46.92, vez adade do maintalong para supply for the wystern white the secting GW 2014 adar main and the 1010 M 2014 ada restalación ration was referent. Il was determined during construction that the existing of WM adar main and the 1010 M 2014 adar and to suppleme robustores and the section of the
																				regulator station was reliesd. It was determined during construction that the existing 6" xMP sized main and the 10" MP sized main were not lied logether (which would have maintained the supply) and this added lie-in was
		-																		Additional costs incured where the construction contractor had to install
																				processors come incluted where the construction contractor rad to initial sections of 2° PE (approx. 1200) main by open cut bench instead of HDD due to proximity of existing utilities which resulted in additional hard surface
N-586	12394092	15592402052213	SE BL	BLOOMINGTO	N IN-BLOOMINGTON-N-585-85CI	5,400	6,555	20	2018	2018									Y	sections of 2" PE (approx. 1200) main by open cut transfer in additional and retro due to proximity of exating utilities which mesubed in additional hard surface maphal stress examications cata and addite concretus allowark methodistion costs. These conflicts were identified during construction and result from unknown depthics of other utilities and relative scatcings of locating equipment.
																				Alao, approx. 300 ° of new 2° PE main was added to provide a te-in location and loop feed near 10 th St and Washington St.
N-651	14698174	17595002052214			IN-TERRE HAUTE-N-661-85CI	2,540	6,005	25	2018	2018									Y	Due to difficulty of locating sever lines, the entire project required open cut trench versus boring, this added to the cost of hard surface restoration.
N-857 N-859	15437075				NALEXANDRIA-N-867-85CI	4,050	4,495	45	2018 2018	2018									Y	Severa could not be located requiring the main to be installed by open cut function method rather than planned HDD resulting in extensive pavement restoration charges not included in estimate. Minimal trailing restoration
								-	2010	2010										reatoration charges not included in estimate. Minimal trailing reatoration charges in TDSIC-12 period

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Maximo Work Order Number	Oracle Project Number	Project Category	Division	ос	City	Project Short Description	Previous Planned Year (4/1/20)	Current Planned Year	Previous Estimate (4/1/20)	Current Estimate	Estimate Variance (\$)	Estimate Variance (%)	Timing Variance Commentary (Current Fall 2020 Filing)	Estimate Variance Commentary (Current Fall 2020 Filing	Current Period Actual Spend (1/1/20 -6/30/2020)	Inception to Date Actual Spend (1/1/14 - 06/30/2020)	Actual Spend Variance (\$)	Actual Spend Variance (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)
8664431	13592002061213	Public Improvement	SE	CLARKSVILLE	NEW ALBANY	IN-NEW ALBANY-2500 BLK CHARLESTOWN RD-RELOCATE GAS	2021	2023					Project delayed by Street Commissioner due to lack of funding.						N	
10845148	17573302G61212	Public Improvement	NE	MUNCIE	MUNCIE	IN-MUNCIE-WHEELING AVE - RELOCATE MAIN	2020	2020											Y	Construction in progress. Project is trending 25% over estimate. Actual costs for traffic control, inspection, and backfil are projected to exceed the estimated amounts.
15656560	18595502G61217	Public Improvement	NW	LAFAYETTE	FRANKFORT	IN-FRANKFORT-WASHINGTON AVE - RELOCATE MAINS DUE TO ROAD RECONSTRUCTION PROJECT - PHASE 2	2020	2020											N	exceed the estimated amounts.
15634137	18592002G61213	Public Improvement	SE	CLARKSVILLE	NEW ALBANY	IN-NEW ALBANY- MT TABOR ROAD PH 2 - RELOCATE MAINS DUE TO ROAD IMPROVEMENT PROJECT	2022	2024					Project rescheduled by the City of New Albany. Plans not finalized						N	
15438738	17583502G51011	System Improvement	SE	FRANKLIN	GREENWOOD	DUE TO ROAD IMPROVEMENT PROJECT IN-GREENWOOD-SYSTEM IMPROVEMENT ON MULLINIX RD AND UPRATE OUT OF GRASSY CREEK STATION	2018	2018											Y	Construction in progress and is trending on target to estimate.
15589827	18595302G51214	System Improvement	NW	DANVILLE	PLAINFIELD	IN-PLAINFIELD-STAFFORD RD AREA 3 UPRATE GAS MAIN	2019	2019											Y	Original estimate assumed obtaining easement for main installation. Planned easements were not acquired because of existing landlock forced us to change the scope of the project and installed the main in public right of way. Additional 100° of Pipe installed because of the route change.
15589890	18595302G51215	System Improvement	NW	DANVILLE	PLAINFIELD	IN-PLAINFIELD-STANLEY RD AREA 2 ELEVATE RETEST GAS MAIN	2019	2019											Y	Unforeseen utility conflicts caused extra depth main installation by installing schring, additional traffic control needed. Additional spot holes by vac bruck required to identifylocate other utilities. TDSIC-12 charges are associated with final main installation and restoration costs.
13807515	17595502G51212	System Improvement	NW	LAFAYETTE	WEST LAFAYETTE	IN-WEST LAFAYETTE - KLONDIKE AREA 1-ELEVATE/RETEST GAS MAIN	2020	2020					Waiting on IURC decision on design and uprate procedure in regards to undocumented test records on steel main and services.						N	
15497686	18595502G51210	System Improvement	NW	LAFAYETTE	WEST LAFAYETTE	IN-WEST LAFAYETTE - KLONDKE AREA 2-ELEVATERETEST GAS MAN	2020	2020					Waiting on IURC decision on design and uprate procedure in regards to undocumented test records on steel main and services.						Y	Project duration has been extended due to competitions of trained pulsylocoses including collaboration with the LIRCP Openine Safety Division. Due to the delays it was encessary to construct a temporary reg station and 2500 of 4° PE main to correct two an adjuent system last winter. Field investigation identified an additional (8 arcsince buyont due quantity replaced. Minimal trailing charges in TDSIC- 13 period.
12626778	17202802G53011	System improvement	SE	CLARKSVILLE	JEFFERSONVILL	N-JEFFRSONVILLE REBULD RS #1-34-GTE	2019	2019											Y	
13758448	18202802G53013	System Improvement	NW	LAFAYETTE	FRANKFORT		2019	2019											Y	
						IN-FRANKFORT-REBUILD STATION 2														Project is complete.
15525323	18595302G51212	System Improvement	NW	DANVILLE	PLAINFIELD		2020	2020					Walting on IURC decision on design and uprate procedure in regards to undocumented test records on steel main						N	The Initial charges are related to research, engineering design and sprate procedure. Also, sever locating has been completed along with 30° dd? PE main installed with 2 services, and additional scattered service replacements necessary prior to performing the future optime operating pressure of the system to improve reliability has been delyed as the Company and LIGe work through specific requirements for the existing main and service the testing procedure/streptime.
15975625	19595302051011	System Improvement	NW	DANVILLE	ZIONEVILLE	IN-PLAINFIELD AREA 1 UPRATE GAS MAIN IN-ZIONSVILLE-E 300 S - INSTALL PIPE TO CONNECT 421 TO WHITESTOWN AND ANSON AREA NEAR AMAZON TO PROVIDE	2019	2019					and services.						N	Construction is still in progress, but will be completed in 2020. Project was delayed due to
8073722	14595002G50210	System Improvement	NW	TERRE HAUTE		CAPACITY AND DELIVERABILITY TO AREA NORTH AND EAST OF ZIONSVILLE IN-TERRE HAUTE-CLINTON RD (STOP 15)-OBSOLETE	2020	2020											N	time required to obtain multiple easements for main installation
8073722 12626874	14595002G50210 19592002G51011	System Improvement System Improvement	SE			EQUIPMENT IN-CHARLESTOWN-INSTALL PIPE TO ENSURE CAPACITY AND DELIVERABILITY TO RIVER RIDGE AREA	2020	2020											N	Construction in progress and is trending to
13894271	16583503061220	Public improvement	55	FRANKLIN	FAIRLAND	IN SHELBY/ELE FAIRLAND ROAD EXTENSION MAUSOLEUM	<u></u>	N/A					Project cancelled due to discussion with City Engineer - project not likely to happen within ten years.						N	Project cancelled due to discussion with City Engineer - project not likely to happen within ten years.
13494166	1795502G61219	Public Improvement	NW	LAFAYETTE	WEST LAFAYETTE	IN-WEST LAFAYETTE-LINDBERG RD - RELOCATE MAINS DUE TO ROAD IMPROVEMENT PROJECT IN-GREENWOOD-WORTHSVILLE RDFROM US 31 WEST TO	2020	2020					Project rescheduled by						N	
12307076	16583502061228 /18583502G61210	Public Improvement	SE	FRANKLIN	GREENWOOD	IN-GREENWOOD-WORTHSVILLE RD ~-FROM US 31 WEST TO AVERITT ROAD - RELOCATE MAINS DUE TO ROAD WIDENING PROJECT	2020	2020					Project rescheduled by project owner for 2020 construction						N	Construction complete but not all charges incurred.

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15206958	18595602G61214	Public Improvement	NW	LAFAYETTE	WEST LAFAYETTE	N-WEST LAVANETTE-STATE STSECT 64 - RELOCATE MAN AND SERVICES	2018	2018											Y	Actual costs exceeded the estimate due to increased about charges to accomption the answer disclosuRR recessing to the RR consisting bore waits more costly than estimated due to the second second second second second second require databased to a second second second to a second second second second second boars after manifaring the selety and insight young of the pit cancer to accomption the boars after manifaring the selety and insight working the conflict and the tracks with boars after second second second second boars after and the second second boars after and the second second boars after and the second second to comption the second second accomption indications which received adversarial and the second adversarial
10240617	16573302061213	Public Improvement	NE	MUNCIE	MUNCIE	IN-MUNCIE-NEBO RD - RELOCATE MAINS DUE TO ROAD	2022	2022					City has not scheduled their						N	
11781004	16573302061215	Bublic Improvement	NE	MUNCIE	DALEVILLE	WIDENING PROJECT	NA	N/A					project work yet. Project cancelled per project						N	
11840246	16583502061224	Public Improvement	SE	FRANKLIN	FRANKLIN	IN-FRANKLIN-ARVIN DR RELOCATE MAINS DUE TO NEW ROUNDABOUT PROJECT	2020	2020					engineer.	Final plans have not yet been provided					N	Cancelled by municipality
12002667	16583502061225	Public Improvement	SE	FRANKLIN	FRANKLIN	IN FRANKING CRAUAN AT COMMERCE RADIOWAY DELOCATE	2021	2021					Project rescheduled by City of	-inal plans nave not yet been provided					N	
13196512	16592002061216	Public Improvement	90	CLARKSVILLE	JEFFERSONVILL	MAINS DUE TO NEW ROUNDABOUT IN-JEFFERSONVILLE-SALEM NOBLE ROAD - RELOCATE MAINS DUE TO ROAD RECONSTRUCTION PROJECT	2021	2022					Franklin. Project delayed by County due to lack of funding.						N	
11539590	18592002G61212	Public Improvement	SE	CLARKSVILLE		IN-NEW ALBANY-310-3008LK GRANT LINE RD - RELOCATE MANS DUE TO STORM SEWER PROJECT	2018	2018											Y	The actual cost for this project exceeded the eximate due to an additional 400 feet of 2 inch main being installed to estabilish a second feed to be construmer schematerum of the coller in the construmer schematerum of the service during the redinelepsido work at the collect. Done the covert reglecement work was finished the original main was replaced and recorrected as a original yalamiet. TOSIC-12 period drappes were for completion of the additional work desceed in TOSIC-11.
13198230	16592002061217	Public Improvement	SE	CLARKSVILLE	JEFFERSONVILL	IN-JEFFERSONVILLE-CHESTNUT ST-RELOCATE MAIN DUE TO CSO SEWER PROJECT	2020	2020						Driginal estimate was created in 2015. Sewer project scope was recently updated (2020) and requires three times more main (increased from 900' to 2700') to be relocated than originally planned based on 2015 public project scope.					N	Projected start late 2020.
12623189 16542358	17583002G61212	Public Improvement	NE	NOBLESVILLE	CARMEL	IN-CARMEL-HAMILTON COUNTY RELOCATE MAINS DUE TO BUS RAPID TRANSIT SYSTEM PROJECT	2022	2022					Project remains unscheduled by Hamilton County						N	
12622472	TBD	Public Improvement	NE	ANDERSON	ANDERSON	IN-MOUNDS LAKE-PHASE ONE - RELOCATE MAINS FOR NEW RESERVOIR/LAKE	2023	2023					by Hamilton County Project details still being studied by the State of Indiana						N	
12622472	TBD	Public Improvement	NE	ANDERSON	ANDERSON	IN-MOUNDS LAKE-PHASE TWO - RELOCATE MAINS FOR NEW RESERVOIR/LAKE	2023	2023					Project details still being studied by the State of						N	
12622472	TBD	Public Improvement	NE	ANDERSON	ANDERSON	IN-MOUNDS LAKE-PHASE THREE - RELOCATE MAINS FOR NEW RESERVOIR/LAKE	2023	2023					Indiana Project details still being studied by the State of Indiana						N	
10518255	17583002G61213	Public Improvement	NE	NOBLESVILLE	SHERIDAN	IN-SHERIDAN-STATE ROAD 38 @ SIX POINTS ROAD- MAIN	2019	2019					E l'Adhar Ra						Y	Actual construction costs are under the original estimate due to partial reinhoursement of relocation costs received for the portion of the main located within easement.
13494120	18595502G61210	Public Improvement	NW	LAFAYETTE	LAFAYETTE	IN-WEST LAFAYETTE-KLONDIKE RD - RELOCATE MAINS DUE TO ROAD RECONSTRUCTION PROJECT	2018	2018											Y	
13807492 236	17595502G61212 TBD	Public Improvement Gas LP Plant	NW	LAFAYETTE N/A	FRANKFORT	ROAD RECONSTRUCTION PROJECT IN-FRANKFORT-WASHINGTON AVERELOCATE MAINS DUE TO ROAD RECONSTRUCTION PROJECT - PHASE 1 IN-LEBANON-FLOW CONTROLLERS UPGRADE	2019 2020	2019 2020											Y	
12588723	15592602061213/ 18592602G61210	Public Improvement	SE	COLUMBUS	GREENSBURG	IN-GREENSBURG-VETERANS WAY-PHASE I - RELOCATE MAINS DUE TO ROAD CONSTRUCTION PROJECT	2019	2019											Y	Construction complete but not all charges incurred. Project cost is anticipated to be less than estimate due to reduced traffic control needs and material costs.
10767877	17595502G51210	System Improvement	NW	LAFAYETTE	LAFAYETTE	IN-LAFAYETTE-KOSSUTH STELEVATERETEST GAS MAIN	2021	2021					Waiting on IURC decision on design and uprate procedure in regards to undocumented test records on steel main and services.						N	
15497693	18595502G51212	System Improvement	NW	LAFAYETTE	WEST LAFAYETTE	IN-WEST LAFAYETTE - KLONDIKE AREAELEVATE/RETEST GAS MAIN	2020	2020					Waiting on IURC decision on design and uprate procedure in regards to undocumented test records on steel main and services.						N	
12626850	17595302G61215	Public Improvement	NW	DANVILLE	BROWNSBURG	IN-BROWNSBURG-GREEN ST - US 136 TO 56TH STRELOCATE MAIN IN-NEW ALBANY- MT TABOR ROAD - RELOCATE MAINS DUE TO		2018												Project costs exceeded the estimate due to an additional relocation (our original relocation bore was slight) too shallow) of the newly instaled main which was determined to be in conflict with the new storm drainage system. This was due to an extremely congested ROW shared by multiple utilities.
13198131	17592002G61210	Public Improvement	SE	CLARKSVILLE		IN-NEW ALBANY MIT IABOR ROAD - RELOCATE MAINS DUE TO ROAD IMPROVEMENT PROJECT IN-CARMEL-GUILFORD AVE-CITY CENTER DR TO MAIN ST-	2018	2018											Y	
12622403	17583002G61210	Public Improvement	NE	FRANKLIN	GREENWOOD	RELOCATE MAIN DUE TO STREET WIDENING PROJECT IN-GREENWOOD-SMITH VALLEY ROADAT MADISON AVENUE-	2018	2018											Y	
						IN-OREENVICUO-SMITH VALLEY RUNDAL MADISON AVENUE- RELOCATE MAINS DUE TO NEW ROUNDABOUT PROJECT														The actual cost for this project exceeded the estimate due to extra depth required to achieve and maintain the necessary clearance from
12626703	17595302G61210	Public Improvement	NW	DANVILLE	AVON	IN-AVON-CR 200 N - DAN JONES TO RONALD REAGAN RELOCATE MAINS DUE TO ROAD IMPROVEMENT PROJECT IN-BLOOMINFTON-H258 REMOVAL Hindustan Dumpster Contairment	2018	2018											Y	and maintain the necessary clearance from adjacent conflicting utilities. The work was also impacted by excessive rain which slowed the work progress and resulted in higher labor costs and extended traffic control costs.
221	18200602G06012	Gas Production & Storage	SE	BLOOMINGTON	BLOOMINGTON	Hindustan Dumpster Containment	2020	2020											Y	

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13378033	16595302061224	Public Improvement	NW	DANVILLE	LEBANON	IN-LEBANON-INDIANAPOLIS AVEPHASE II - RELOCATE MAINS DUE TO ROAD IMPROVEMENT PROJECT	2018	2018											Y	Actual cost is less than the estimated cost due to the original estimate being based on preliminary plans. Actual construction cost was based on final plans.
14391209	17595502G61216	Public Improvement	NW	LAFAYETTE	WEST LAFAYETTE	IN-WEST LAFAYETTE-STATE STSECT 1A, - RELOCATE MAIN AND SERVICES	2017	2017											Y	Project scope was expanded through mutual agreement with the City of Lafayette to extend the 6" main approx. 493" to position it for future known development to avoid future cutting of paverment of new pavement.
14712218	17595002G61210	Public Improvement	2004	TERRE HAUTE	TERRE HAUTE	IN TERRE HAUTE 1ST ST & HUR MAN ST - RELOCATE MAIN DUE- TO INTERSECTION IMPROVEMENT PROJECT	N/A	N/A											N	Project cancelled. Project Scope was changed by City of Terre Haute to avoid conflicts with our facilities and no relocation needed.
12002644	17583502G61215	Public Improvement	SE	FRANKLIN	FRANKLIN	IN FRANKLIN EAST/JEW DRIVE RELOCATE MAINS DUE TO-	NIA	NIA											N	Project cancelled. The planned relocation project was incorporated into an adjacent- System improvement project for efficiency.
13894268	16583502061221	Public Improvement	55	FRANKLIN	GREENWOOD	IN GREENWOOD STONES CROSSING ROAD RELOCATE MAINS DUE TO NEW ROUNDADOUT PROJECT	N/A	<u>11/A</u>						Project cancelled - combined with Northsville Rd. project WO # 12307076					N	Project cancelled combined with Worthsville Rd. project WO # 12307076
12562141	17505003G81212	Public Improvement		TERRE HAUTE	TERRE HAUTE	IN TERRE HAUTE-SPRINCHILL RD US41 TO 7TH ST - RELOCATE MAINS DUE TO ROAD WIDDENING	MA	N/A											N	Project canceled. After completing the conflict- analysis of the final plans it has been- determined that there are no conflicts with- Vectran facilities requiring relocation.
12622753	16583502061229	Public Improvement	6E	FRANKLIN	GREENWOOD	IN GREENWOOD MADISON AVE RAPID TRANSIT RED LINE. RELOCATE MAINS DUE TO RAPID TRANSIT PROJECT.	NA	N/A											N	
15253207	18583002044210	Rural Extension	NE	NOBLESVILLE	WESTFIELD	15253207-N-WESTFIELD-SB560 OFFSITE MMN-OSBORNE	2018	2018											¥	Main taxe was brocksed from 0° to 1° for due to undificant of mer, up an glocent development that rough a service of the servi
14000440	18595302G51213	System Improvement	NW	CRAWFORDSVIL	LINDEN	TRAILS EXTENSION IN-LINDEN-SR 231ELEVATE/RETEST GAS MAIN IN-PLAINFIELD-S8560-TATTERSALL AREA-PHASE 1-INSTALL	2020	2020											N	
16382565	18595302044226	Rural Extension	NW	DANVILLE	PLAINFIELD	IN-PLAINFIELD-S8560-TATTERSALL AREA-PHASE 1-INSTALL MAIN	2020	2020											Y	Construction completed.
15461041	18595302044213	Rural Extension	NW	DANVILLE	WHITESTOWN	IN-WHITESTOWN PHASE 3 WEST-SB/60	2018	2019											Y	Construction cost exceeded the estimate due to a change in main size from 2 inch to 4 inch to accommodate a new grain dyrer customer added to the project after initial estimate and design were completed. Easement acquisition costs were greater than estimated.
16803251	19595302044217	Rural Extension	NW	DANVILLE	CAMBY	16803251-IN-CAMBY-10356 LEASES CORN	2019	2019											Y	Sever locating costs exceeded estimate due to difficulty in locating severs. Required camera locating.
16453335	19595502044212	Rural Extension	NW	LAFAYETTE	LAFAYETTE	1643333-IN-WEST LAFAYETTE-1828 STA	2019	2019											¥	Actual costs exceeded the project estimate due primarily to increased construction labor costs caused by multiple mobilizations and demobilizations to accommodate the other jubelle contractions and to avoid work, and conflicts for mar access, catch, schealby and conflicts for mar access, catch, schealby acterned year weather. Trailing clarges in TDSIC-13 period were associated with items described alwaye.
17211620	19573302044210	Rural Extension	NA	MUNCIE	MUNCIE	17211620-IN-MUNCIE-9495 S FLEMING S	2019	2019											Y	Actual costs exceeded the estimate due to the unexpected discovery of non-standard sized main not indicated on historical records which required an additional 120° of main to be installed and an unplanned road bore to accommodate the actual site conditions. Trailing changes in TDSIC-13 period were associated with tems described above.
16633036	19583302044210	Rural Extension	SE	NA	KNIGHTSTOWN	16633036-IN-KNIGHTSTOWN-5 POINTS RD	2019	2019											Y	Actual costs were less than the estimated due to the utilization of available in-house labor resources rather than contractor.
16992461	19583302044214	Rural Extension	SE	NA	KNIGHTSTOWN	16992461-IN-KNIGHTSTOWN-9925 N 5 PO	2019	2019											Y	Actual costs exceeded the estimate due to the addition of 186' of main and another driveway crossing to accommodate the customer's meter location request.
16931846	19583502044213	Rural Extension	SE	FRANKLIN	FRANKLIN	16931846-IN-FRANKLIN-250 FAIRGROUND	2019	2019											Y	meter location request. Actual costs for inspection and restoration exceeded the estimate.
260	TBD 17595302G51214	Gas Production & Storage System Improvement	NW	N/A DANVILLE	BROWNSBURG	IN-WOLCOTT-MISTARAS LEAK DETECTOR IN-BROWNSBURG-ACRE LNELEVATE/RETEST MAIN AND RETIRE REGULATOR STATION	2020	N/A 2020					Waiting on IURC decision on design and uprate procedure in regards to undocumented test records on steel main and services.						N	
10767696 15524008	17595302G50210 18595502G51215	System Improvement System Improvement	NW	DANVILLE	PLAINFIELD	IN-PLAINFIELD-MAXWELLTON STELEVATE/RETEST GAS MAIN IN-LAFAYETTE-REBUILD STATION #59000019	2020 2020	2020											N	
17153234	1859502G51215 19592402044216 20200602G06011	System improvement Rural Extension Gas Production & Storage	SE	BLOOMINGTON	BLOOMINGTON	17152724-IN-BLOOMINGTON-4500 S DAR	2020	2020											Y	Actual costs exceeded the estimate due to an additional 20' of main being added to the project and we in failure of the main boing explored added to failure of the main boing explored with instance of the main boing which is a some process and requires additional site excention. All of which added significantly to the overall table costs.
222 10767760	20200602G06011 17595302G51215	Gas Production & Storage System Improvement	NW	LEBANON			2020	2020											N	Construction in progress. Construction to start in summer 2020
12627688/16921762 17171398	18592602G51210/ 20592602G51011 19592402044217	System Improvement Rural Extension	SE	COLUMBUS	COLUMBUS	RESERVOIRLAKE IN-COLUMBUS-COLUMBUS SOUTHSIDE HP LOOP - INSTALL PIPE TO ENSURE CAPACITY AND DELIVERABILIT TO AREA SOUTH OF GLADSTONE AVENUE 17713981-MARTINSYLLE-2193 E COU	2020	2020											N	Actual charges include preliminary engineering costs only.
17171398	19592402044217	Rural Extension			BLOOMINGTON	1/1/1398-IN-MARTINSVILLE-2193 E COU	2019	2019											Y	Internal crew used to construct project resulting
1/1645//	19592402044218	Kural Extension	SE	BLOOMINGTON	BLOOMINGTON	17164577-IN-BLOOMINGTON-1990 E LUKE	2019	2019											ř	internal crew used to construct project resulting in lower than estimated labor costs.

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16860054	19592602044210	Rural Extension	SE	COLUMBUS	COLUMBUS	16860054-IN-COLUMBUS 5 550 W ~~GMIN	2019	2019											Y	The actual cost for this project exceeded the estimate due to additional labor and vacuum accusavation equipment required to search for an un-locatable water main. Main was extended an additional 200° and
17170296	19592902044210	Rural Extension	SE	BLOOMINGTON	MOORESVILLE	17170296-IN-MOORESVILLE-10751 N RAI	2019	2019						Service line cost were unintentionally					Y	connected to an existing main to create a dual feedinterconnection to enhance reliability of system in the area and support future customer additions.
16633303	19595002044215	Rural Extension	NW	NA	CLAY CITY	16633303-IN-CLAY CITY-316 E 14TH ST	2019	2019						estimate in original estimate. Revised estimate is for main installation only as is standard practice for rural extension projects.					Y	Actual costs exceeded the estimated costs
16812927	19595302044218	Rural Extension	NW	DANVILLE	WHITESTOWN	16812927-IN-WHITESTOWN-6460 CENTER	2019	2019											Y	Actual costs exceedure the estimate costs due to conflicts with adjacent utilities that were found after the original estimate was completed. Utilities were not identified during design locate process. Changes to planned construction route to address the conflicts added labor cost.
16864094	19595302044220	Rural Extension	NW	DANVILLE	WHITESTOWN	16864094-IN-WHITESTOWN-WALKER FARMS Phase 3	2019	2019											Y	Actual costs were under the estimate due to in-
17070878	19595502044218	Rural Extension	NW	LAFAYETTE	LAFAYETTE	17070878-IN-LAFAYETTE-CROOKED ST ~~	2019	2019											Y	house inspector being used during construction rather than the budgeted outside contract inspector.
16399870	19583302044212	Rural Extension	SE	NA		16399870-IN-RUSHVILLE-5374 N STATE SB560 New Construction Grain Dryer called N-FRANKLIN-SB560	2019	2019											Y	
15533699	18583502044216 19583302044215	Rural Extension Rural Extension	SE	FRANKLIN GREENEIELD	FRANKLIN	UMBARGER FARM 600 E IN-GREENFIELD-380 NGMINS SB560 MOHAWK	2019	2019 2020											Y	Construction in progress.
17815788	20592402044210	Rural Extension		BLOOMINGTON	PARAGON	IN-PARAGON-3208 WAKELAND R	N/A	2020					Identified in Spring 2020						Y	
16864042	20595302044210	Rural Extension		DANVILLE	WHITESTOWN	IN-WHITESTOWN-WALKER FARMS PHASE 4	N/A	2020					Identified in Spring 2020 Project is being re-evaluated						N	Construction in progress.
238	18200602G06011	Gas Production & Storage	SE	N/A	SELLERSBURG	IN-SELLERSBURG-REPLACE HP DRIP	N/A	2021					Project is being re-evaluated and has been reprioritized to 2021.						N	Credit due to material transfers to 18200601055018 SMOD
200	17200602006013	Gas Production & Storage	SE	BLOOMINGTON	BLOOMINGTON	IN-BLOOMINGTON-REPLACE DEHYDRATOR	2018	2018											Y	Detailed analysis and design determined the existing contact tower could be retorfitted with new components and supplemented with a new reboler instead replacing contact tower as originally planned. Also, the dyocol system piping was modified to work with the new components rather than completely replacing the piping as originally planned.
17503816	20595302044212	Rural Extension		DANVILLE	DALEVILLE	IN-DANVILLE-1040 JUDITH LN	N/A	2020											Y	All charges have not been incurred.
17718097	20595302044213	Rural Extension		DANVILLE	PLAINFIELD	IN-PLAINFIELD-3882 TEKESBU	N/A	2020						Estimate updated to include extension to					N	All charges have not been incurred. Construction in progress, all charges have not been incurred
15704575	18592002044210	Rural Extension	SE	CLARKSVILLE	GEORGETOWN	IN-GEORGETOWN-NOVAPARKE OFFSITE	2020	2021					Project still being evaluated and is not anticipated to start until 2021	an industrial park, easements, rock removal, and a double track railroad					N	Still being evaluated by customer(s) - possible late 2020 start.
15626368	18592002044212	Rural Extension	SE	CLARKSVILLE	CHARLESTOWN		2020	2020											N	Design & estimate completed. Late 2020 start expected.
15980207 15774363	18593002044221	Rural Extension	NW NW	DANVILLE	LEBANON	IN-LEBANON-6425 N 150 W C0560	NA	N/A N/A											N	Project cancelled
13992299	18595302044220	Rural Extension	NW	DANVILLE	PLAINFIELD	IN PLANE BLUF BU SEGU SHOUL UTCAURS	2021	2021					Project delayed due to insufficient customer interest/commitment at this						N	
17141212	19595302044222	Rural Extension	NW	DANVILLE	PLAINFIELD	IN-PLAINFIELD-E CR 200 S AND S CR 450 E - (S8560) IN-PLAINFIELD-S8560 TATTERSALL AREA-PHASE 2-INSTALL	2020	2020					time.						N	
16912365	19583302044213	Rural Extension	SE	NA	KNIGHTSTOWN	MAN 16912365-IN-KNIGHTSTOWN-9752 N 5 PO	2019	2019					Identified in Fall 2019						Y	Construction in progress. Actual costs were less than the estimated due to the utilization of available in-house labor resources rather for construction.
16895398	19592402044214	Rural Extension	SE	FRANKLIN	MARTINSVILLE	16895398-IN-MARTINSVILLE-1204 COPE	2019	2019					Identified in Fall 2019 Identified in Fall 2019						Y	
16983087	19595002044217 19595502044215	Rural Extension Bural Extension	NW	NA	CLAY CITY WILLIAMSPORT	16983087-IN-CLAY CITY-536 E FAIR AV 17038726-IN-WILLIAMSPORT-427 W WASH	2019	2019					Identified in Fall 2019 Identified in Fall 2019						Y Y	
16217420	18595302044222	Rural Extension	NW	NA	JAMESTOWN	16217420-IN-JAMESTOWN-SB560 468 CAR	2019	2019					Identified in Fall 2019						Y	
16126427	18592402044218	Rural Extension	SE	BLOOMINGTON	MOORESVILLE		2018	2018											Y	Costs increased due to a change to the original plan which added approximately 300 additional feet of main to serve additional customers who were identified after the original
16327050	18583302044213	Rural Extension	SE	GREENFIELD	MCCORDSVILLE	IN-MOORESVILLE-NORTH FOREST GROVE RD-SB560 16327050-IN-MCCORDSVILLE-6443 N 700	2018	2018											Y	estimate was created.
16275861	18595302044225	Rural Extension	NW	DANVILLE	WHITESTOWN	IN-WHITESTOWN-WALKER FARMS PHASE 2SB500-GAS MAIN INSTALL I. IG2036-N-IR-JOOMNGTON-CPG 58560 5	2019	2019											¥	Actual costs exceeded the estimate due to other utility costestion in a tight inclusion work area. Specifically, there wave difficulties obtaining accurate boation information for the existing server systems which required costy insertion of carrare equipment and many additional spot hole excavators to ensure the integrity of the severs and gas mains as well as maintain public and worker safety. Minimal atiming charges in TDSIG-12 period.
16326636 16812175	18592402044220 19595302044219	Rural Extension Rural Extension	NW	DANVILLE	LEBANON	16326636-IN-BLOOMINGTON-CPG \$8560 S 16812175-IN-LEBANON-6475 S 275 E IN-BLOOMINGTON-MUIRFIELD PHASE 5 \$8560	2019	2019 2019											Y Y	
16161800	18592402044215	Rural Extension	SE	BLOOMINGTON	BLOOMINGTON	IN-BLOOMINGTON-MUIRFIELD PHASE 5 ~- S8560	2018	2018											Y	
15524010	18595302044217	Rural Extension	NW	DANVILLE	WHITESTOWN	IN YINYITESTOWN WALKER FARMS PHASE I - 58 500—GAS MAN INSTALL 1022216 IN JARAGERSYLLE 58500 564	2018	2018											Y	Actuals costs encoded the estimated costs for this project primary due to three factors. If the estimated costs for all sever clocating were inadventerity excluded from the final estimata. 2. Due to the payed owner's timing the strends all costing had to be completed in datacence of the rest of the adjuscent with caused multiple inefficient mobilitations and maxime of the size and type of main pipe used which led to additional later costs for an additional langing new to assistiation.
16222516	18583502044219	Rural Extension	SE	FRANKLIN	BARGERSVILLE	16222016-IN-BARGERSVILLE-SB560 5844	2018	2018											Y	The actual cost of this project is less than the
16302693	18595302044223	Rural Extension	NW	DANVILLE	LEBANON	16302693-IN-LEBANON-3701 S INDIANAP	2018	2018											Y	estimate due to better than expected construction conditions which resulted in less
16401288	19583502044210	Rural Extension	SE	FRANKLIN	BARGERSVILLE		2019	2019											Y	abor expense. Estimate included a contingency for potholes and restoration but the main installation used a very minimal restoration
16534439 16340382	19595502044210	Rural Extension Rural Extension	NW	LAFAYETTE	LAFAYETTE MARTINSVEL	16401288-IN-BARGERSVILLE-SB560 5689 16534439-IN-SB560 BUCK CREEK-7401 U 16340382-IN-MARTINSVILLE-SB560 3024	2019 2019	2019											Y	very menetal (CS10) abort
16340382	18583502044220	Rural Extension	l se	FRANKLIN	MARTINSVILLE	10340302-IN-WARTINSVILLE-58500 3024	2019	2019											Υ Y	

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Maximo Work Order Number	Oracle Project Number	Project Category	Division	oc	City	Project Short Description	Previous Planned Year (4/1/20)	Current Planned Year	Previous Estimate (4/1/20)	Current Estimate	Estimate Variance (\$)	Estimate Variance (%)	Timing Variance Commentary (Current Fall 2020 Filing)	Estimate Variance Commentary (Current Fail 2020 Filing	Current Period Actual Spend (1/1/20 -6/30/2020)	Inception to Date Actual Spend (1/1/14 - 06/30/2020)	Actual Spend Variance (\$)	Actual Spend Variance (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)
16261644	18583502044221	Rural Extension	SE	FRANKLIN	FRANKLIN	16261644-IN-FRANKLIN-SB560 0 W STAT	2019	2019											Y	Traffic control costs were included in estimate but not needed.
16299522	18595502044212	Rural Extension	NW	DANVILLE	KIRKLIN	16299522-IN-KIRKLIN-444 W HENRY RD SB560 MAIN EXT	2018	2018											Y	Traffic control costs for were less than estimated due to the remote rural location of the work. Additionally, the main installation was completed at a lower per foot cost than estimated
16544287	19592002044212	Rural Extension	SE	CLARKSVILLE	SELLERSBURG	16544287-IN-SELLERSBURG-7004 COUNTY	2019	2019											Y	The actual cost for the project exceeded the estimate due to field modification that was required when other existing diffies were found to be in conflict with the planned location of our main. This resulted in our main being shifted to a location under hard-surface paymement which required additional labor and materials to excavate, install, and restore the paymement.
N/A	18202802049011	Targeted Economic Development	NW	DANVILLE	PLAINFIELD	IN-PLAINFIELD-UPS ONG/ALLPOINTS TED-INSTALL PIPELINE, METER SET, REG STATIONS	2018	2018											Y	footage vs trench of 405' more than planned to avoid road/parking ict pavement and extensive lindscaping. One HDD segment encountered rock which increased cost by \$141,880. Additional environmental control measures and clean-up costs (roads, parking areas) were required due to wet conditions. Trailing environmental permitting changes in
	20202802049011	Targeted Economic Development	NW	TERRE HAUTE	TERRE HAUTE	TERRE HAUTE SOUTH INDUSTRIAL PARK (SATURN PET PRODUCTS)	2020	2020											N	
17615776	20595502041222	Targeted Economic Development	NW	LAFAYETTE	FRANKFORT	Frankfort Gas Main Extension - Hwy 28 & 800 W (NHK SEATING)	2020	2020											N	Construction scheduled for late 2020
253	17200602006012	Gas Production & Storage	NW	N/A	WOLCOTT	IN-WOLCOTT-UPGRADE FLOW CONTROLLER	2018	2018											Y	Actual control valve selected was less than originally estimated.
231	18200602G06013	Gas Production & Storage	SE	N/A	JEFFERSONVILL	IN-JEFFERSONVILLE-ENGINE PRELUBE PUMPS	2018	2018											Y	Original estimate was based on a broad projec scope. The actual work necessary to complete the project cost significantly less than originally estimated.
11198275	14583502051214	System Improvement	SE	FRANKLIN	WHITELAND	N-WHITELAND-PEARL ST - CASING SHORT REMEDIATION	2017	2017											Y	Additional costs for RR permit and preparation and unplanned replacement of carrier pipe, resulting in additional excavations, material, backfill, restoration and labor costs.
15440622	18595302G51210	System Improvement	NW	DANVILLE		IN-BROWNSBURG-CR 700N2018 SI MAIN - INSTALL 11,000 FT OF 6" PE MAIN TO ENSURE CAPACITY AND DELIVERABILITY TO AREA WEST OF EAGLE CREEK GOLF COURSE	2019	2019											Y	Easements needed to cross 13 parcels original plan assumed installation in ROW. 290 extra hours needed for traffic control, T&M charges used for extra depth and shoring boxes.
12265416	17583502G51012	System Improvement	SE	FRANKLIN	FRANKLIN	IN-FRANKLIN - NORTH AND EAST SIDE UPRATE	2018	2018											Y	
NA	17202802049011	Targeted Economic Development	NE	RICHMOND	RICHMOND	IN-RICHMOND-HEARTLAND (Blue Buffalo) PET FOOD MANUFACTURING -INSTALL REG STATION, MAIN, SERVICE	2017	2017											Y	
15660577	18582102045212	Targeted Economic Development	NE	ANDERSON	PENDLETON	IN-PENDLETON-9302 W 650 S-GMINS-SHELBY MATERIALS-SB 560- DISTRIBUTION	2018	2018											Y	
N/A	18202802049012	Targeted Economic Development	NE	ANDERSON	PENDLETON	IN-PENDLETON-9302 W 650 S-GMINS-SHELBY MATERIALS-SB 560-TRANSMISSION	2018	2018											Y	Cost variance due to additional easement requirements to construct station - original planned site could not be obtained. This resulted in station design changes increasing construction cost. Minimal trailing charges in CSIA-12 period.
N/A	15202902051011	Automated Meter Reader (AMR)	North	N/A	VARIOUS	AUTOMATED METER READING	2015/16/17	2015/16/17											Y	

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Vectren North Compliance Plan - Storage Modernization Projects

Database Project Number	Oracle Project Number	Project Category	Division			· ·		Previous Planned Year (4/1/20)	Current Planned Year	Previous Estimate (4/1/20)	Current Estimate	Estimate Variance (\$)	Estimate Variance (%)	Timing Variance Commentary (Current Fall 2020 Filing)	Estimate Variance Commentary (Current Fall 2020 Filing	Current Period Actual Spend (1/1/20 - 6/30/2020)	Inception to Date Actual Spend (1/1/14 - 06/30/2020)	Actual Spend Variance (\$)	Actual Spend Variance (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)
4197	18200602055017	Equipment	SE	Unionville	Unionville	Unionville	Replace well head UND-054 Davis #1	2018	2018											Y	
4342	19200602055011	Well Construction / Remediation	SE	Unionville	Unionville	Unionville	Remediate defect at UND-008 Neal #1 well	2019	2019											¥	The original plan for remediation of casing defects was to install patches at defect location This effort was not successful in remediating the defects, therefore the well was plagged and abandoned. Cost to P&A was less than estimate for repairs and return to service. Credit related to contract services reimbursament due to patch failure.
4306	19200602055015	Well Construction / Remediation	SE	Unionville	Unionville	Unionville	Plug and abandon UND-017 Otis Young #1 well	2019	2019											Y	No issues were encountered with well plugging operation allowing it to be completed at lee cost than estimated. Restoration costs for constructing access route to well were also let than estimated.
4800/4799	19200602055017	Pressure Monitoring / SCADA / RTU	NE	Wolcott	Wolcott	Wolcott	Phase 1 and 2 of remote pressure monitoring at Wolcott	2020	2020											Y	Equipment purchase for multiple storage fields was charged to this project. The \$165k credit is to reallocate material costs to the Midway Storage field. Protect score was characed to include redeacement of the existing wethinad. Inspection of
4195	18200602055015	Well Construction / Remediation	NW	Welcott	Welcott		Install casing liner WOT-021 Goss #7	2018	2018												The existing wellhaud and casing construction determined the wellhaud would need to be replaced with the casing incre. Replacement of the casing only would not date well boging capability with the existing wellhaud. The wellhaud was replaced so the liner could be increased in the production string, while soil being also the norm could be carrying liner and the annual space between the production string and liner. Minimal trailing wherease in TDEIC-10 seried.
4193	18200602055013	Well Construction / Remediation	SE	Sellersburg	Selersburg	Selersburg	Install casing liner SEK-006 Garvey #4	2019	2019											Y	Project scope changed from lining the well to temporarily abandoning the well. Expedited construction of roads to late 2019 rather than originally planned spring of 2020 t
4191	18200602055021	Well Construction / Remediation	SE	Unionville	Unionville	Unionville	Install 2 well access roads at Unionville Storage Field	2019	2019											Y	Expediate construction or rotats to sale 20 to name than originary partners sping or 2020 in ensure availability for well logging efforts in spring of 2020. Constructed two additional well roads for 2020 well logging access.
4202	18200602055018	Well Construction / Remediation	SE	Unionville	Unionville	Unionville	Drill new observation well at Unionville Storage Field	2018	2018											Y	Project is complete.
4282	18200602055019	Well Construction / Remediation	SE	Unionville	Unionville	Unionville	Drill new observation well at Unionville Storage Field	2020	2021					Land acquisition is still in progress which will require project to be completed in 2021.						Y	Actual charges include preliminary engineering and partial material costs only. Land accussition is in progress.
4343	19200602055016	Well Construction / Remediation	NE	Wolcott	Wolcott	Wolcott	Drill new observation well at northern lobe of Wolcott Storage	2019	2019											Y	Project is complete.
4347	20200602055012	Well Construction / Remediation	NE	Wolcott	Wolcott	Wolcott	Cement and recomplete WOT-054 County Line Farms well	2020	2020											Y	Construction complete. All charges have not been incurred.
5020	20200602055011	Well Construction / Remediation	SE	Unionville	Unionville	Unionville	Peterson #4 Flowline Addition	NA	2020					Existing Peterson observation well was connected to the Unionville field piping system to replace injection/withdrawal capacity lost when Neal well was retired due to results of well logging.						Y	Construction in progress. Cost is trending to estimate.
5019	20200602055013	Well Construction / Remediation	SE	Unionville	Unionville	Unionville	UND-038 Omer Young #2- WH Ching	NA	2020					Well logging indicated corrosion defects which required immediate repair. Repair required replacement of well head, disconnection/reconnection of flow line to restore well to service in 2000.						Y	Project is complete and costs are trending to estimate.
4022	18200602055020	Emergency Response	NW	Wolcott	Wolcott	Wolcott	Emergency well access improvement - Install 7 well access roads at Wolcott Storage Field	2020	2021					Reprioritized to 2021 due to landowner and access issues.						Y	
4801/4308	TBD	Pressure Monitoring / SCADA / RTU	SE	Unionville	Unionville	Unionville	Install Phase 1 & 2 of remote pressure monitoring at Unionville	2020	2022					This project will be combined with project 4308 to complete all the work in 1 phase. The project has been reprioritized to 2022.						Y	
4700	780	Processe Monitoring / SCADA / RTU	NE	Webett	Walcott	Wolcott	instal Phase 1 of remote pressure monitoring at Wolson.	3030	2020											Y	
4308	780	Pressure Mentering / SCADA / RTU		Unionalite	Unionalito	Unionalite	Install Phase 1 of remote proceure monitoring at Unionville	2020	2020					This project will be combined with project f801 to complete all the work in 1 phase in 2020.						Y	
4310	TBD	Pressure Monitoring / SCADA / RTU	SE	Hindustan	Hindustan	Hindustan	Install Phase 1 and Phase 2 of remote pressure monitoring at Hindustan	2020	2020											Y	
3079	18200602055012	Well Construction / Remediation	SE	Selersburg	Sellersburg	Selersburg	Plug and abandon SET-020 Garvey #3 well	2018	2018											Y	
4192	18200602055011	Well Construction / Remediation	SE	Sellersburg	Sellersburg	Selersburg		2018	2018											Y	Project changed from a plug and abandon to deepening and recompleting the well. The w was able to be used to better identify the boundary of the storage field. The additional costs include additional casings and drilling required for the deepening.
4198	18200602055016	Equipment	SE	Unionville	Unionville	Unionville	Replace well head UND-068 Ward #4	2018	2018											Y	Actual costs included modification to the existing flow line which was required because the wellhand was required to be extended 2' higher. Also, whereine was required to kill the we instead of water because it would not hold the water. In addition, a public own fig was required because there was a solid plag set inside the wellhead which had to be drilled ou Minimal trailing charges in CSLA to period.
4194	18200602055014	Well Construction / Remediation	SE	Hindusten	Hindustan	Hindustan	Replace well head UHD-027 Fulford #1	2018	2018											Y	THE R OWNER OWNER WANTED AND A METODA.

Vectren North Compliance Projects O&M Summary - 7 Year Plan Update

Prior plan - Fall 2019								
Funding Cotogon/	2014	2015	2016	2017	2018	2019	2020	7 year Total
Funding Category	Actuals	Actuals	Actuals	Actuals	Actuals	Plan	Plan	7-year Total
Transmission IM	\$5,301,223	\$7,532,355	\$7,363,556	\$10,235,691	\$8,500,659	\$ 10,349,582	\$ 15,854,666	\$65,137,732
Distribution IM	\$1,580,399	\$615,408	\$1,341,712	\$3,987,863	\$6,160,783	\$ 4,591,000	\$ 5,145,940	\$23,423,105
Facility Damages	\$383,150	\$1,175,038	\$2,042,202	\$3,009,756	\$2,343,657	\$ 2,726,795	\$ 1,689,024	\$13,369,622
Operator Qualification/Training	\$0	\$403,469	\$630,797	\$720,479	\$875,158	\$ 1,018,729	\$ 964,066	\$4,612,698
Safety Management System	\$0	\$33,006	\$126,040	\$256,348	\$191,567	\$ 200,000	\$ 346,467	\$1,153,429
Storage Field Safety				\$1,866,251	\$1,792,654	\$ 1,810,000	\$ 1,945,000	\$7,413,905
Total	\$7,264,772	\$9,759,277	\$11,504,306	\$20,076,388	\$19,864,479	\$20,696,106	\$25,945,163	\$115,110,491

Plan update - Fall 2020

Funding Category	2014	2015	2016	2017	2018	2019	2020	7-year Total
	Actuals	Actuals	Actuals	Actuals	Actuals	Actuals	Plan	
Transmission IM	\$5,301,223	\$7,532,355	\$7,363,556	\$10,235,691	\$8,500,659	\$9,482,633	\$8,200,000	\$56,616,118
Distribution IM	\$1,580,399	\$615,408	\$1,341,712	\$3,987,863	\$6,160,783	\$3,205,096	\$1,520,000	\$18,411,261
Facility Damages	\$383,150	\$1,175,038	\$2,042,202	\$3,009,756	\$2,343,657	\$2,541,013	\$1,450,000	\$12,944,816
Operator Qualification/Training	\$0	\$403,469	\$630,797	\$720,479	\$875,158	\$692,983	\$955,078	\$4,277,964
Safety Management System	\$0	\$33,006	\$126,040	\$256,348	\$191,567	\$117,270	\$110,000	\$834,232
Storage Field Safety				\$1,866,251	\$1,792,654	\$840,828	\$1,557,000	\$6,056,732
Total	\$7,264,772	\$9,759,277	\$11,504,307	\$20,076,388	\$19,864,479	\$16,879,824	\$13,792,078	\$99,141,124

Variance - CSIA-11 to CSIA-13					
Filings			\$3,816,282	\$12,153,085	\$15,969,368
Transmission IM			\$866,949	\$7,654,666	\$8,521,615
Distribution IM			\$1,385,904	\$3,625,940	\$5,011,844
Facility Damages			\$185,782	\$239,024	\$424,806
Operator Qualification/Training			\$325,746	\$8,988	\$334,734
Safety Management System			\$82,730	\$236,467	\$319,197
Storage Field Safety			\$969,172	\$388,000	\$1,357,172

CSIA-13 over CSIA-9 Plan Variance							
		CSIA-9	CSIA-13	% Variance			
Transmission IM	\$	58,452,744	\$56,616,118	3%			
Distribution IM	\$	18,717,880	\$18,411,261	2%			
Facility Damages	\$	13,986,941	\$12,944,816	7%			
Operator Qualification/Training	\$	4,623,474	\$4,277,964	7%			
Safety Management System	\$	1,534,281	\$834,232	46%			
Storage Field Safety	\$	7,258,251	\$6,056,732	17%			
Plan Total	\$	104,573,572	\$99,141,124	5%			

(- unfavorable to plan)