

**STATE OF INDIANA**

**INDIANA UTILITY REGULATORY COMMISSION**

**VERIFIED PETITION OF SOUTHERN INDIANA GAS )  
AND ELECTRIC COMPANY 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 ) **CAUSE NO. 44429-TDSIC-13**  
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 )**

**VERIFIED PETITION**

Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana, Inc., a CenterPoint Energy Company ("Vectren South" or "Petitioner") petitions the Indiana Utility Regulatory Commission ("Commission") for approval of (a) the Compliance and System Improvement Adjustment ("CSIA") charges, based on 80% of the calculated revenue requirement on recoverable investments and expenses associated with complying with federal mandates ("Compliance Projects") and to improve safety, reliability or modernization of its gas pipeline systems ("TDSIC Projects"), in accordance with Ind. Code chpt. 8-1-8.4 and 8-1-39, as set forth in Petitioner's Exhibit No. 3, Attachment JCS-4 to be applicable for bills rendered beginning January 1, 2021 and 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 and TDSIC Projects that exceed the amounts approved in Cause No. 44429 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 110,000 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 South filed a Petition, docketed as Cause No. 44429, 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 with Cause No. 44430 in which Vectren South'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 South'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 South is authorized to

implement its CSIA Rate Schedule to recover 80% of the revenue requirement on eligible project investments; (e) Vectren South'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 South 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 adjustment of its CSIA every six months. The Commission has approved adjustments to the CSIA in orders issued in Cause No. 44429 TDISC-1 ("TDSIC-1 Order"), Cause No. 44429 TDSIC-2 ("TDSIC-2 Order"), Cause No. 44429 TDSIC-3 ("TDSIC-3 Order"), Cause No. 44429 TDSIC-4 ("TDSIC-4 Order"), Cause No. 44429 TDSIC-5 ("TDSIC-5 Order"), Cause No. 44429 TDSIC-6 ("TDSIC-6 Order"), Cause No. 44429 TDSIC-7 ("TDSIC-7 Order"), Cause No. 44429 TDSIC-8 ("TDSIC-8 Order"), Cause No. 44429 TDSIC-9 ("TDSIC-9 Order"), Cause No. 44429 TDSIC-10 ("TDSIC-10 Order"), Cause No. 44429 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 improvement" within the meaning of Ind. 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 approved 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. 44231 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 the automated meter reading (“AMR”) project for Vectren South’s gas only customers 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 program categories.

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 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.<sup>1</sup> Vectren South 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 South 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 Petitioner's Exhibit No. 3, Attachments 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 Petitioner's Exhibit No. 3, 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 Petitioner's Exhibit No. 1, Attachment SAH-4 (Public), Attachment SAH-5 (Public), Attachment SAH-6 (Public), Attachment SAH-8 (Public), Attachment SAH-11 (Public), Petitioner's Exhibit No. 2, Attachment SJV-6, and as further set forth in its Case-in-Chief.

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<sup>1</sup> 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.

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 Petitioner's Exhibit No. 3, 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 August 1, 2007. 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 under Ind. 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. Petitioner's Exhibit No. 3, Attachment JCS-3, Schedule 8 Page 1 of 1 demonstrates that Petitioner's proposed TDSIC 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 Order, 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: [Heather.Watts@centerpointenergy.com](mailto:Heather.Watts@centerpointenergy.com)  
[Justin.Hage@centerpointenergy.com](mailto:Justin.Hage@centerpointenergy.com)

### **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 upon schedule is as follows:

<b>Date</b>	<b>Event</b>
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 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 be reconciled to the authorized revenue requirement ultimately approved in TDSIC-13, with any variances recovered in subsequent TDSIC proceedings.

WHEREFORE, Southern Indiana Gas and Electric Company 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 Petitioner's Exhibit No. 3, 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;

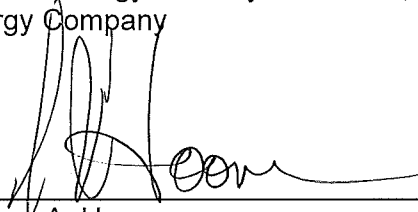
(d) Approving the procedural schedule agreed to among the OUCC and Petitioner;

(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; and

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

DATED: this 1st day of October, 2020

Southern Indiana Gas and Electric Company d/b/a  
Vectren Energy Delivery of Indiana, Inc. a CenterPoint  
Energy Company

A handwritten signature in black ink, appearing to read 'S. Hoover', written over a horizontal line.

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, [infomgt@oucc.in.gov](mailto:infomgt@oucc.in.gov) and [jreed@oucc.in.gov](mailto:jreed@oucc.in.gov).

Dated October 1, 2020



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

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY**  
**d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC.**  
**VECTREN SOUTH**  
**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)	(Per Month)	(Per therm)	Reference
<b>CSIA Allocated Revenue Requirement (A)</b>							
1	110	\$ 17,458,424	102,723 (E)		\$ 14.16		
2	120/125/129/145	\$ 5,930,410		61,822,614 (E)		\$ 0.0959	
3	160	\$ 1,943,645		55,515,310 (E)		\$ 0.0350	
4	170	\$ 710,403		276,496,580 (E)		\$ 0.0026	
5	Total	<u>\$ 26,042,882</u>					
<b>CSIA Allocated EADIT Credit (B)</b>							
6	110	\$ (706,573)	102,723 (E)		\$ (0.57)		
7	120/125/129/145	\$ (230,580)		61,822,614 (E)		\$ (0.0037)	
8	160	\$ (84,048)		55,515,310 (E)		\$ (0.0015)	
9	170	\$ (30,716)		276,496,580 (E)		\$ (0.0001)	
10	Total	<u>\$ (1,051,917)</u>					
<b>Subtotal – Annual Allocated Revenue Requirement and EADIT Credit</b>							
11	110	\$ 16,751,851			\$ 13.59		Line 1 + 6
12	120/125/129/145	\$ 5,699,830				\$ 0.0922	Line 2 + 7
13	160	\$ 1,859,597				\$ 0.0335	Line 3 + 8
14	170	\$ 679,687				\$ 0.0025	Line 4 + 9
15	Total	<u>\$ 24,990,965</u>					
<b>CSIA Allocated Variances Under/(Over) Recovery (C)</b>							
16	110	\$ 184,298	102,988 (F)		\$ 0.30		
17	120/125/129/145	\$ 213,180		36,684,527 (F)		\$ 0.0058	
18	160	\$ 57,130		27,008,850 (F)		\$ 0.0021	
19	170	\$ 123,019		166,020,840 (F)		\$ 0.0007	
20	Total	<u>\$ 577,627</u>					
<b>Total Excluding IURT</b>							
21	110	\$ 16,936,149			\$ 13.89		Line 11 + 16
22	120/125/129/145	\$ 5,913,010				\$ 0.0980	Line 12 + 17
23	160	\$ 1,916,727				\$ 0.0356	Line 13 + 18
24	170	\$ 802,706				\$ 0.0032	Line 14 + 19
25	Total	<u>\$ 25,568,592</u>					
<b>Total Including IURT (D)</b>							
26	110				\$ 14.10		Line 21 / 0.9853
27	120/125/129/145					\$ 0.0995	Line 22 / 0.9853
28	160					\$ 0.0361	Line 23 / 0.9853
29	170					\$ 0.0032	Line 24 / 0.9853

**Notes:**

- (A) From JCS-4, Schedule 2, Column D + Column F  
(B) From JCS-4, Schedule 2, Column H  
(C) From JCS-1, Schedule 2, Page 1, Line 22 – amount to be recovered from or passed back to customers over 6-months.  
(D) IURT gross up factor of 0.9853 effective January 1, 2021

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

<u>Line</u>	<u>Revenue Requirement</u>
1 Compliance Component - Annual Revenue Requirement	\$ 23,767,903 (A)
2 TDSIC Component - Annual Revenue Requirement	\$ 2,274,979 (B)
3 CSIA Costs to be Recovered	<span style="border: 1px solid black;">\$ 26,042,882</span> (C)
4 EADIT Credit Component	\$ (1,051,917) (D)

			A	B	C	D	E	F	G	H
					Compliance Allocation Percentage	Compliance Allocated Revenue Requirement (Line 1 x Column C)	TDSIC Allocation Percentage	TDSIC Allocated Revenue Requirement (Line 2 x Column E)	EADIT Credit Allocation Percentage	EADIT Credit Allocated Amount (Line 4 x Column G)
4	110	Residential Sales Service			67.17%	\$ 15,964,901	65.65%	\$ 1,493,523	67.17%	\$ (706,573)
5	120/125/129/145	General Sales/General Transportation Service			21.92%	\$ 5,209,924	31.67%	\$ 720,486	21.92%	\$ (230,580)
6	160	Large Volume Sales Service			7.99%	\$ 1,899,055	1.96%	\$ 44,590	7.99%	\$ (84,048)
7	170	Contract Transportation Service			2.92%	\$ 694,023	0.72%	\$ 16,380	2.92%	\$ (30,716)
						<u>\$ 23,767,903</u>		<u>\$ 2,274,979</u>		<u>\$ (1,051,917)</u>

**Notes:**

(A) From JCS-1, Schedule 1, Line 1, Col. C

(B) From JCS-1, Schedule 1, Line 2, Col. C

(C) Line 1 + Line 2

(D) From WP JCS-1-2.2 EADIT Credit

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

Line	Rate Schedule		Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Annual Total	
<b>Projections (A)</b>																
1	110 - Residential Sales Service	Count	103,243	103,275	103,172	103,040	102,762	102,438	102,230	102,058	101,944	102,159	102,917	103,433	102,723	12 Mos Avg
2	120/125/129/145 - General Sales/General Transportation Service	Therms	11,626,842	8,924,429	7,002,715	4,240,043	2,686,209	2,204,288	2,203,859	2,261,906	2,538,226	3,203,561	5,752,285	9,178,250	61,822,614	
3	160 - Large Volume Sales Service	Therms	5,414,007	4,469,947	4,390,677	4,393,197	4,250,247	4,090,777	4,402,647	4,646,407	4,894,797	4,484,437	5,219,267	4,858,907	55,515,310	
4	170 - Contract Transportation Service	Therms	32,779,060	21,775,340	15,999,910	24,427,200	32,134,680	38,904,650	14,162,650	16,284,550	19,827,960	20,687,090	25,274,160	14,239,330	276,496,580	
<b>Applicable Rates (B)</b>																
5	110 - Residential Sales Service	Count	\$ 13.89	\$ 13.89	\$ 13.89	\$ 13.89	\$ 13.89	\$ 13.89	\$ 13.59	\$ 13.59	\$ 13.59	\$ 13.59	\$ 13.59	\$ 13.59	\$ 13.59	
6	120/125/129/145 - General Sales/General Transportation Service	Therms	\$ 0.0980	\$ 0.0980	\$ 0.0980	\$ 0.0980	\$ 0.0980	\$ 0.0980	\$ 0.0922	\$ 0.0922	\$ 0.0922	\$ 0.0922	\$ 0.0922	\$ 0.0922	\$ 0.0922	
7	160 - Large Volume Sales Service	Therms	\$ 0.0356	\$ 0.0356	\$ 0.0356	\$ 0.0356	\$ 0.0356	\$ 0.0356	\$ 0.0335	\$ 0.0335	\$ 0.0335	\$ 0.0335	\$ 0.0335	\$ 0.0335	\$ 0.0335	
8	170 - Contract Transportation Service	Therms	\$ 0.0032	\$ 0.0032	\$ 0.0032	\$ 0.0032	\$ 0.0032	\$ 0.0032	\$ 0.0025	\$ 0.0025	\$ 0.0025	\$ 0.0025	\$ 0.0025	\$ 0.0025	\$ 0.0025	
<b>Projected Recoveries</b>																
9	110 - Residential Sales Service	Line 1 x Line 5	\$ 1,433,849	\$ 1,434,299	\$ 1,432,869	\$ 1,431,039	\$ 1,427,174	\$ 1,422,670	\$ 1,389,291	\$ 1,386,949	\$ 1,385,403	\$ 1,388,335	\$ 1,398,626	\$ 1,405,645	\$ 16,936,149	
10	120/125/129/145 - General Sales/General Transportation Service	Line 2 x Line 6	\$ 1,139,520	\$ 874,663	\$ 686,320	\$ 415,557	\$ 263,269	\$ 216,037	\$ 203,188	\$ 208,540	\$ 234,016	\$ 295,357	\$ 530,341	\$ 846,203	\$ 5,913,010	
11	160 - Large Volume Sales Service	Line 3 x Line 7	\$ 192,805	\$ 159,185	\$ 156,362	\$ 156,452	\$ 151,361	\$ 145,682	\$ 147,476	\$ 155,641	\$ 163,961	\$ 150,215	\$ 174,830	\$ 162,759	\$ 1,916,727	
12	170 - Contract Transportation Service	Line 4 x Line 8	\$ 104,867	\$ 69,664	\$ 51,187	\$ 78,147	\$ 102,805	\$ 124,464	\$ 34,815	\$ 40,031	\$ 48,741	\$ 50,853	\$ 62,129	\$ 35,003	\$ 802,706	
13	<b>Total Recoveries including Variances during first six months</b>		<b>\$ 2,871,041</b>	<b>\$ 2,537,810</b>	<b>\$ 2,326,738</b>	<b>\$ 2,081,195</b>	<b>\$ 1,944,609</b>	<b>\$ 1,908,852</b>	<b>\$ 1,774,769</b>	<b>\$ 1,791,161</b>	<b>\$ 1,832,121</b>	<b>\$ 1,884,760</b>	<b>\$ 2,165,926</b>	<b>\$ 2,449,610</b>	<b>\$ 25,568,592</b>	
14	<b>20% Deferred (based on Revenue Requirement piece only)</b>		<b>\$ 712,831</b>	<b>\$ 632,807</b>	<b>\$ 581,953</b>	<b>\$ 520,668</b>	<b>\$ 486,119</b>	<b>\$ 476,366</b>	<b>\$ 462,457</b>	<b>\$ 466,735</b>	<b>\$ 477,409</b>	<b>\$ 491,089</b>	<b>\$ 564,270</b>	<b>\$ 638,017</b>	<b>\$ 6,510,721</b>	

**Notes:**

- (A) Based on 2020-21 budgeted annual customer count and volumes  
(B) First six months Per JCS-4, Sch 1, Lines 21 - 24. Second six months Per JCS-4, Sch 1, Lines 11 - 14. All rates exclude IURT.

**SOUTHERN INDIANA GAS AND ELECTRIC COMPANY  
d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC.  
Vectren South  
Compliance and System Improvement Adjustment  
Projected Year-Over-Year Revenue Percentage Change  
Compliance Projects**

Year	Investment (1)		Expenses (2)		Total Revenue Change (3)	Revenue Change by Rate Schedule (4)			
						110	120/125/ 129/145	160	170
2014	\$	28,926,269	\$	2,204,930					
2015	\$	24,211,727	\$	3,158,274	1.04%	1.11%	0.78%	2.66%	0.83%
2016	\$	26,891,423	\$	4,201,612	4.48%	4.78%	3.36%	11.25%	3.56%
2017	\$	35,065,818	\$	4,849,460	2.16%	2.30%	1.64%	5.10%	1.73%
2018	\$	36,468,388	\$	8,028,623	2.84%	3.02%	2.17%	6.52%	2.29%
2019	\$	31,077,177	\$	7,958,201	2.91%	3.09%	2.23%	6.45%	2.36%
2020	\$	32,299,857	\$	7,508,091	4.63%	4.91%	3.58%	9.92%	3.77%

**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

**SOUTHERN INDIANA GAS AND ELECTRIC COMPANY**  
**d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC.**  
**Vectren South**  
**Compliance and System Improvement Adjustment**  
**Projected Year-Over-Year Revenue Percentage Change**  
**TDSIC Plan**

Year	Investment (1)	Total Revenue Change (2)	Revenue Change by Rate Schedule (3)			
			110	120/125/ 129/145	160	170
2014	\$ 7,165,966					
2015	\$ 3,302,751	0.33%	0.35%	0.25%	0.84%	0.26%
2016	\$ 2,993,615	0.43%	0.46%	0.32%	1.09%	0.34%
2017	\$ 4,398,002	0.22%	0.23%	0.16%	0.55%	0.17%
2018	\$ 4,632,964	0.32%	0.34%	0.24%	0.79%	0.25%
2019	\$ 3,368,932	0.07%	0.07%	0.05%	0.18%	0.06%
2020	\$ 1,052,219	0.40%	0.42%	0.30%	0.99%	0.31%

**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



SOUTHERN INDIANA GAS & ELECTRIC COMPANY  
d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC.  
VECTREN SOUTH  
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 20% Deferred	C Revenue Requirement 80% Recoverable	Reference
1	Compliance Component - Revenue Requirement	\$ 29,709,878	\$ 5,941,975	\$ 23,767,903 (A)	Attachment JCS-2, Schedule 1, Line 16 & 17
2	TDSIC Component - Revenue Requirement	\$ 2,843,724	\$ 568,745	\$ 2,274,979 (B)	Attachment JCS-3, Schedule 1, Line 16 & 17 (C)
3	CSIA Revenue Requirement Subtotal	<u>\$ 32,553,603</u>	<u>\$ 6,510,721</u>	<u>\$ 26,042,882</u>	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.

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY  
d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC.  
VECTREN SOUTH  
COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA)  
ACTUAL VARIANCES BY RATE SCHEDULE THROUGH JUNE 30, 2020**

Line	Description	Rate Schedule				Total	Reference
		A	B	C	D		
	<b>Actual Recoveries (Inclusive of IURT)</b>	110	120/125/129/145	160	170		
1	Jan-20	\$ 1,202,457	\$ 697,775	\$ 137,111	\$ 51,231	\$ 2,088,575	(A)
2	Feb-20	\$ 1,211,686	\$ 646,579	\$ 140,094	\$ 39,581	\$ 2,037,940	(A)
3	Mar-20	\$ 1,309,440	\$ 508,928	\$ 134,643	\$ 38,380	\$ 1,991,391	(A)
4	Apr-20	\$ 1,311,077	\$ 300,777	\$ 138,228	\$ 36,270	\$ 1,786,351	(A)
5	May-20	\$ 1,308,293	\$ 222,740	\$ 123,386	\$ 53,484	\$ 1,707,902	(A)
6	Jun-20	\$ 1,312,712	\$ 172,367	\$ 108,690	\$ 27,293	\$ 1,621,063	(A)
7	Total Actual Recoveries Inclusive of IURT	\$ 7,655,665	\$ 2,549,166	\$ 782,152	\$ 246,238	\$ 11,233,221	Sum Lines 1-6
	<b>Actual Recoveries (Exclusive of IURT)</b>	110	120/125/ 129/145	160	170		
8	Jan-20	\$ 1,184,661	\$ 687,448	\$ 135,082	\$ 50,473	\$ 2,057,664	Line 1 x 0.9852
9	Feb-20	\$ 1,193,753	\$ 637,010	\$ 138,021	\$ 38,995	\$ 2,007,779	Line 2 x 0.9852
10	Mar-20	\$ 1,290,061	\$ 501,396	\$ 132,650	\$ 37,812	\$ 1,961,919	Line 3 x 0.9852
11	Apr-20	\$ 1,291,673	\$ 296,325	\$ 136,182	\$ 35,733	\$ 1,759,913	Line 4 x 0.9852
12	May-20	\$ 1,288,930	\$ 219,443	\$ 121,560	\$ 52,692	\$ 1,682,625	Line 5 x 0.9852
13	Jun-20	\$ 1,293,284	\$ 169,816	\$ 107,082	\$ 26,889	\$ 1,597,071	Line 6 x 0.9852
14	Total Actual Recoveries Exclusive of IURT	\$ 7,542,361	\$ 2,511,439	\$ 770,577	\$ 242,594	\$ 11,066,970	Sum Lines 8-13
	<b>Approved Recoveries (Exclusive of IURT)</b>	110	120/125/ 129/145	160	170		
15	Jan-20	\$ 1,290,957	\$ 876,559	\$ 165,916	\$ 72,071	\$ 2,405,503	(B)
16	Feb-20	\$ 1,291,362	\$ 671,836	\$ 136,985	\$ 46,245	\$ 2,146,427	(B)
17	Mar-20	\$ 1,290,075	\$ 520,943	\$ 134,556	\$ 31,903	\$ 1,977,477	(B)
18	Apr-20	\$ 1,288,427	\$ 309,201	\$ 134,633	\$ 53,077	\$ 1,785,338	(B)
19	May-20	\$ 1,284,947	\$ 192,057	\$ 130,252	\$ 73,179	\$ 1,680,435	(B)
20	Jun-20	\$ 1,280,891	\$ 154,022	\$ 125,365	\$ 89,138	\$ 1,649,416	(B)
21	Total Approved Recoveries Exclusive of IURT	\$ 7,726,659	\$ 2,724,618	\$ 827,706	\$ 365,613	\$ 11,644,597	Sum Lines 15-20
22	<b>Total Variance (C)</b>	<b>\$ 184,298</b>	<b>\$ 213,180</b>	<b>\$ 57,130</b>	<b>\$ 123,019</b>	<b>\$ 577,627</b>	Line 21 - Line 14
	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

(C) To Attachment JCS-4, Schedule 1, Lines 16-19

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

Line	Description	Rate Schedule				Total	Reference
		A	B	C	D		
	<b>Approved Recoveries (Exclusive of IURT)</b>	110	120/125/129/145	160	170		
1	Jan-20	\$ 1,290,957	\$ 876,559	\$ 165,916	\$ 72,071	\$ 2,405,503	(A)
2	Feb-20	\$ 1,291,362	\$ 671,836	\$ 136,985	\$ 46,245	\$ 2,146,427	(A)
3	Mar-20	\$ 1,290,075	\$ 520,943	\$ 134,556	\$ 31,903	\$ 1,977,477	(A)
4	Apr-20	\$ 1,288,427	\$ 309,201	\$ 134,633	\$ 53,077	\$ 1,785,338	(A)
5	May-20	\$ 1,284,947	\$ 192,057	\$ 130,252	\$ 73,179	\$ 1,680,435	(A)
6	Jun-20	\$ 1,280,891	\$ 154,022	\$ 125,365	\$ 89,138	\$ 1,649,416	(A)
7	Total Approved Recoveries (Exclusive of IURT)	\$ 7,726,659	\$ 2,724,618	\$ 827,706	\$ 365,613	\$ 11,644,597	Sum Lines 1-6

**Notes:**

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

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

Line	Component	Originating FERC Account		Vectren South - Gas
1	Unbilled Revenue	190	\$	39,360
2	Property Taxes	190	\$	93,746
3	Bad Debts	190	\$	64,617
4	Accrued Vacation	190	\$	-
5	Capitalized Gas Inventory in Lines	190	\$	5,996
6	Record Sec. 263A CAP Costs	190	\$	140,209
7	Refund Gas Costs Collected under GCA & FAC	283	\$	(577,830)
8	Coal Inventory	283	\$	-
9	Prepaid Insurance	283	\$	(19,231)
10	Construction Deposits	190	\$	100,447
11	FASB 106 Costs	190	\$	311,880
12	MGP Reserve Net of Insurance	190	\$	131,732
13	Reverse Exec Restr Stock Accr	190	\$	160,447
14	Deferred Comp/Long-term Incentive Plan	190	\$	311,822
15	Prepaid Ohio Excise Tax	190	\$	-
16	Amortization of Debt Expense	283	\$	(99,068)
17	Amortization of Premium on Reacquired Debt	283	\$	(513)
18	Amortization of Rate Case Expense	283	\$	-
19	Def Debits/Reg Assets	283	\$	(1,023,942)
20	Amortization of Hedging Costs/Losses	283	\$	(127,489)
21	Interest on prepaid OH Excise	283	\$	-
22	Pension Expense in Excess of Tax	283	\$	(760,782)
23	Cap Interest- CWIP	190	\$	2,578
24	AFUDC CWIP (non-protected)	282	\$	(348,995)
25	Depreciation Related (protected)	282	\$	(20,883,087)
26	Repairs (non-protected)	282	\$	(3,278,800)
27	Total		\$	(25,756,906)
28	FERC 190	190	\$	1,362,833
29	FERC 282	282	\$	(24,510,882)
30	FERC 283	283	\$	(2,608,856)
31	Total		\$	(25,756,906)
32	Protected	[Line 25]	\$	(20,883,087)
33	Unprotected	[Line 27 - Line 32]	\$	(4,873,818)
34	Total		\$	(25,756,906)

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

Line	Amortization Period Year	ARAM Defined Protected	10-Years Unprotected	Total Excess Deferred Credit
1	2018	\$ (326,907)	\$ (487,382)	\$ (814,289)
2	2019	\$ (277,417)	\$ (487,382)	\$ (764,799)
3	2020	\$ (251,828)	\$ (487,382)	\$ (739,210)
4	2021	\$ (255,583)	\$ (487,382)	\$ (742,965)
5	2022	\$ (256,731)	\$ (487,382)	\$ (744,112)
6	2023	\$ (255,579)	\$ (487,382)	\$ (742,961)
7	2024	\$ (909,412)	\$ (487,382)	\$ (1,396,794)
8	2025	\$ (174,611)	\$ (487,382)	\$ (661,992)
9	2026	\$ (991,757)	\$ (487,382)	\$ (1,479,139)
10	2027	\$ (998,793)	\$ (487,382)	\$ (1,486,175)
11	2028	\$ (267,572)	\$	\$ (267,572)
12	2029	\$ (372,185)	\$	\$ (372,185)
13	2030	\$ (222,388)	\$	\$ (222,388)
14	2031	\$ (249,778)	\$	\$ (249,778)
15	2032	\$ (316,929)	\$	\$ (316,929)
16	2033	\$ (320,311)	\$	\$ (320,311)
17	2034	\$ (323,678)	\$	\$ (323,678)
18	2035	\$ (327,268)	\$	\$ (327,268)
19	2036	\$ (330,905)	\$	\$ (330,905)
20	2037	\$ (334,717)	\$	\$ (334,717)
21	2038	\$ (337,716)	\$	\$ (337,716)
22	2039	\$ (1,245,129)	\$	\$ (1,245,129)
23	2040	\$ (1,241,473)	\$	\$ (1,241,473)
24	2041	\$ (1,217,532)	\$	\$ (1,217,532)
25	2042	\$ (893,622)	\$	\$ (893,622)
26	2043	\$ (827,959)	\$	\$ (827,959)
27	2044	\$ (804,829)	\$	\$ (804,829)
28	2045	\$ (786,025)	\$	\$ (786,025)
29	2046	\$ (772,088)	\$	\$ (772,088)
30	2047	\$ (741,346)	\$	\$ (741,346)
31	2048	\$ (759,212)	\$	\$ (759,212)
32	2049	\$ (1,045,193)	\$	\$ (1,045,193)
33	2050	\$ (1,038,230)	\$	\$ (1,038,230)
34	2051	\$ (1,408,382)	\$	\$ (1,408,382)
35	2052	\$ -	\$	\$ -
36	2053	\$ -	\$	\$ -
37	2054	\$ -	\$	\$ -
38	2055	\$ -	\$	\$ -
39	Total	\$ (20,883,087)	\$ (4,873,818)	\$ (25,756,905)

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

Line	Description	Compliance Component	TDSIC Component	Total Amount	
	<b><u>Return on New Capital Investment:</u></b>				
1	Gross New Capital Investment - As of End of Period	\$ 179,545,447	\$ 22,694,416	\$ 202,239,863	
2	Accumulated Depreciation - As of End of Period	\$ (6,575,787)	\$ 1,639,453	\$ (4,936,334)	
3	Net New Capital Investment - As of End of Period	\$ 172,969,660	\$ 24,333,869	\$ 197,303,529	
4	New Capital Investment CWIP - As of End of Period	\$ 7,497,514	\$ 367,086	\$ 7,864,600	
5	PISCC Deferred Balance - As of End of Period	\$ 7,494,657	\$ 967,824	\$ 8,462,481	
6	Total New Capital Investment - As of End of Period	\$ 187,961,831	\$ 25,668,779	\$ 213,630,610	
7	Pre-Tax Rate of Return	7.98%	7.92%		
8	Annualized Return on New Capital Investment	\$ 14,999,354	\$ 2,032,967	\$ 17,032,321	<b>(B)</b>
	<b><u>Incremental Expenses:</u></b>				
9	Property Tax Expense - Annualized	\$ 1,146,881	\$ 143,746	\$ 1,290,627	
10	Depreciation Expense - Annualized	\$ 5,292,897	\$ 619,118	\$ 5,912,014	
11	Amortization Expense - Deferred Incremental O&M Expense	\$ 7,932,356	\$ -	\$ 7,932,356	
12	Amortization Expense - Deferred Depreciation	\$ 104,158	\$ 13,685	\$ 117,843	
13	Amortization Expense - Deferred PISCC	\$ 234,232	\$ 34,209	\$ 268,441	
14	Total Incremental Expenses	\$ 14,710,524	\$ 810,757	\$ 15,521,281	
15	Annual Revenue Requirement - Compliance and TDSIC Components	\$ 29,709,878	\$ 2,843,724	\$ 32,553,603	
16	Recoverable Compliance and TDSIC Components within CSIA (80%)	\$ 23,767,903	\$ 2,274,979	\$ 26,042,882	<b>(A)</b>
17	To Be Deferred (20%)	\$ 5,941,975	\$ 568,745	\$ 6,510,721	
	<b><u>Notes:</u></b>				
<b>(A)</b>	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 - \$17,032,321], including the full equity and debt return, and then eligible operating expenses [Line 16 less Line 8 - \$9,010,561]. The collection priority will not impact the total amount authorized by the Commission for immediate recovery in the CSIA [Line 16 - \$26,042,882], nor the amount deferred and authorized for future recovery in a base rate proceeding [Line 17 - \$6,510,721].				
<b>(B)</b>	Equity Return - Compliance Component	\$ 12,161,130			
	Equity Return - TDSIC Component	\$ 1,686,439			
	Total Equity Return - Pre-Tax	\$ 13,847,569			
	Debt Return - Compliance Component	\$ 2,838,224			
	Debt Return - TDSIC Component	\$ 346,528			
	Total Debt Return	\$ 3,184,752			

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

Line	Description	Total Amount	Reference
	<b><u>Return on New Capital Investment:</u></b>		
1	Gross New Capital Investment - As of End of Period	\$ 179,545,447	Schedule 2, Line 18, Col. G
2	Accumulated Depreciation - As of End of Period	\$ (6,575,787)	Schedule 2, Line 42, Col. G
3	Net New Capital Investment - As of End of Period	\$ 172,969,660	Line 1 + Line 2
4	New Capital Investment CWIP - As of End of Period	\$ 7,497,514	Schedule 2, Line 48, Col. G
5	PISCC Deferred Balance - As of End of Period	\$ 7,494,657	Schedule 3, Line 28, Col. G
6	Total New Capital Investment - As of End of Period	\$ 187,961,831	Line 3 + Line 4 + Line 5
7	Pre-Tax Rate of Return	7.98%	Schedule 4, Page 1, Line 17
8	Annualized Return on New Capital Investment	\$ 14,999,354	Line 6 x Line 7
	<b><u>Incremental Expenses:</u></b>		
9	Property Tax Expense - Annualized	\$ 1,146,881	(Line 1 x 0.63%) + (Line 4 x 0.21%) (A)
10	Depreciation Expense - Annualized	\$ 5,292,897	Schedule 5, Line 17
11	Amortization Expense - Deferred Incremental O&M Expense	\$ 7,932,356	Schedule 8, Line 5
12	Amortization Expense - Deferred Depreciation	\$ 104,158	Schedule 6, Line 18
13	Amortization Expense - Deferred PISCC	\$ 234,232	Schedule 3, Line 34
14	Total Incremental Expenses	\$ 14,710,524	Sum Lines 9-13
15	Annual Revenue Requirement - Compliance Component	\$ 29,709,878	Line 8 + Line 14
16	Recoverable Compliance Component of CSIA (80%)	\$ 23,767,903	Line 15 x 80% (B)
17	To Be Deferred (20%)	\$ 5,941,975	Line 15 x 20% (B)

**Notes:**

- (A) The annualized level of property taxes is calculated using an estimated Vectren South rate of 2.11% 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

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

		A	B	C	D	E	F	G
		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
<b>Line</b>	<b>Gross New Capital Investment</b>							
	<b>Gross Assets</b>							
1	Transmission	\$ 58,570,680	\$ 58,571,145	\$ 58,574,447	\$ 59,018,477	\$ 58,601,544	\$ 58,632,866	\$ 58,997,658
2	Distribution	\$ 110,415,047	\$ 111,115,142	\$ 111,601,141	\$ 121,308,001	\$ 122,106,182	\$ 122,455,639	\$ 124,822,875
3	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	Underground Storage	\$ 1,700,689	\$ 1,724,520	\$ 1,727,683	\$ 1,737,082	\$ 1,737,082	\$ 1,820,681	\$ 1,848,957
5	General	\$ 55,394	\$ 55,394	\$ 55,394	\$ 55,394	\$ 55,394	\$ 55,394	\$ 55,394
6	<b>Total Gross Assets</b>	\$ 170,741,810	\$ 171,466,202	\$ 171,958,666	\$ 182,118,955	\$ 182,500,203	\$ 182,964,581	\$ 185,724,885
	<b>Retirements</b>							
7	Transmission	\$ (204,860)	\$ (204,860)	\$ (204,860)	\$ (204,860)	\$ (204,860)	\$ (204,860)	\$ (204,860)
8	Distribution	\$ (5,527,497)	\$ (5,528,243)	\$ (5,537,940)	\$ (5,775,203)	\$ (5,777,532)	\$ (5,778,909)	\$ (5,917,090)
9	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	Underground Storage	\$ (49,610)	\$ (49,610)	\$ (49,610)	\$ (49,610)	\$ (49,610)	\$ (57,488)	\$ (57,488)
11	General	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	<b>Total Retirements</b>	\$ (5,781,967)	\$ (5,782,714)	\$ (5,792,410)	\$ (6,029,673)	\$ (6,032,003)	\$ (6,041,257)	\$ (6,179,438)
	<b>Gross New Capital Investment</b>							
13	Transmission	\$ 58,365,820	\$ 58,366,285	\$ 58,369,587	\$ 58,813,617	\$ 58,396,684	\$ 58,428,006	\$ 58,792,798
14	Distribution	\$ 104,887,550	\$ 105,586,898	\$ 106,063,201	\$ 115,532,799	\$ 116,328,649	\$ 116,676,729	\$ 118,905,785
15	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	Underground Storage	\$ 1,651,078	\$ 1,674,910	\$ 1,678,073	\$ 1,687,472	\$ 1,687,472	\$ 1,763,194	\$ 1,791,469
17	General	\$ 55,394	\$ 55,394	\$ 55,394	\$ 55,394	\$ 55,394	\$ 55,394	\$ 55,394
18	<b>Total Gross New Capital Investment</b>	\$ 164,959,843	\$ 165,683,488	\$ 166,166,256	\$ 176,089,282	\$ 176,468,200	\$ 176,923,324	\$ 179,545,447
	<b>= (Gross Assets + Retirements)</b>							<b>To Schedule 1, Line 1</b>

		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
<b>Line</b>	<b>Accumulated Depreciation Balance</b>							
	<b>Depreciation Expense</b>							
19	Transmission	\$ 4,773,822	\$ 4,917,576	\$ 5,061,335	\$ 5,205,660	\$ 5,350,019	\$ 5,493,890	\$ 5,638,818
20	Distribution	\$ 9,153,265	\$ 9,427,766	\$ 9,703,700	\$ 9,991,498	\$ 10,291,546	\$ 10,592,971	\$ 10,897,734
21	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	Underground Storage	\$ 17,506	\$ 20,546	\$ 23,609	\$ 26,683	\$ 29,766	\$ 32,923	\$ 36,180
23	General	\$ 6,232	\$ 6,418	\$ 6,604	\$ 6,790	\$ 6,976	\$ 7,162	\$ 7,348
24	<b>Total Depreciation Expense</b>	\$ 13,950,826	\$ 14,372,306	\$ 14,795,248	\$ 15,230,632	\$ 15,678,308	\$ 16,126,947	\$ 16,580,079
	<b>Retirements</b>							
25	Transmission	\$ (204,860)	\$ (204,860)	\$ (204,860)	\$ (204,860)	\$ (204,860)	\$ (204,860)	\$ (204,860)
26	Distribution	\$ (5,527,497)	\$ (5,528,243)	\$ (5,537,940)	\$ (5,775,203)	\$ (5,777,532)	\$ (5,778,909)	\$ (5,917,090)
27	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	Underground Storage	\$ (49,610)	\$ (49,610)	\$ (49,610)	\$ (49,610)	\$ (49,610)	\$ (57,488)	\$ (57,488)
29	General	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30	<b>Total Retirements</b>	\$ (5,781,967)	\$ (5,782,714)	\$ (5,792,410)	\$ (6,029,673)	\$ (6,032,003)	\$ (6,041,257)	\$ (6,179,438)
	<b>Cost of Removal</b>							
31	Transmission	\$ (59,766)	\$ (59,765)	\$ (59,761)	\$ (59,701)	\$ (59,757)	\$ (59,753)	\$ (53,030)
32	Distribution	\$ 2,502,911	\$ 2,537,700	\$ 2,579,826	\$ 2,621,684	\$ 2,675,142	\$ 2,695,344	\$ 2,715,054
33	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34	Underground Storage	\$ 624,046	\$ 624,266	\$ 624,267	\$ 625,867	\$ 627,114	\$ 629,814	\$ 1,162,830
35	General	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36	<b>Total Cost of Removal</b>	\$ 3,067,192	\$ 3,102,200	\$ 3,144,333	\$ 3,187,851	\$ 3,242,499	\$ 3,265,405	\$ 3,824,855
	<b>Total Accumulated Depreciation Balance</b>							
37	Transmission	\$ (4,628,728)	\$ (4,772,482)	\$ (4,916,236)	\$ (5,060,501)	\$ (5,204,916)	\$ (5,348,783)	\$ (5,486,987)
38	Distribution	\$ (1,122,857)	\$ (1,361,823)	\$ (1,585,934)	\$ (1,594,611)	\$ (1,838,872)	\$ (2,118,718)	\$ (2,265,589)
39	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40	Underground Storage	\$ 656,150	\$ 653,331	\$ 650,269	\$ 648,794	\$ 646,958	\$ 654,379	\$ 1,184,138
41	General	\$ (6,232)	\$ (6,418)	\$ (6,604)	\$ (6,790)	\$ (6,976)	\$ (7,162)	\$ (7,348)
42	<b>Total Accumulated Depreciation Balance</b>	\$ (5,101,666)	\$ (5,487,392)	\$ (5,858,505)	\$ (6,013,108)	\$ (6,403,806)	\$ (6,820,285)	\$ (6,575,787)
	<b>= - Depreciation Expense - Retirements + Cost of Removal</b>							<b>To Schedule 1, Line 2</b>

		Balance at 6/30/2020
<b>Line</b>	<b>CWIP Balance</b>	
43	Transmission	\$ 4,846,329
44	Distribution	\$ 1,951,226
45	Distribution - IEDC	\$ -
46	Underground Storage	\$ 699,959
47	General	\$ -
48	<b>Total CWIP Balance</b>	\$ 7,497,514
		<b>To Schedule 1, Line 4</b>



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

Line	Description	Reference	A	B	C	D	E	F	G
1	PISCC Rate - Monthly	Schedule 4, Page 2, Line 5 / 12		0.53%	0.53%	0.53%	0.53%	0.53%	0.53%
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		0.40%	0.40%	0.40%	0.40%	0.40%	0.40%
4	Transmission Amortization Rate - Monthly (A)	Schedule 6, Line 8 / 12		0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
5	Distribution Amortization Rate - Monthly (A)	Schedule 6, Line 9 / 12		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
6	Distribution - IEDC Amortization Rate - Monthly (A)	Schedule 6, Line 10 / 12		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
7	Underground Storage Amortization Rate - Monthly (A)	Schedule 6, Line 11 / 12		0.36%	0.36%	0.36%	0.36%	0.36%	0.36%
8	General Amortization Rate - Monthly (A)	Schedule 6, Line 12 / 12		0.31%	0.31%	0.31%	0.31%	0.31%	0.31%
<b>PISCC Cumulative Deferred Balance - DEBT</b>			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)	\$ 742,824	\$ 747,639	\$ 752,457	\$ 757,559	\$ 762,679	\$ 767,554	\$ 772,680
10	Distribution	(B)	\$ 1,306,014	\$ 1,320,746	\$ 1,336,235	\$ 1,358,221	\$ 1,386,905	\$ 1,416,320	\$ 1,447,467
11	Distribution - IEDC	(B)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	Underground Storage	(B)	\$ 10,584	\$ 11,857	\$ 13,148	\$ 14,447	\$ 15,751	\$ 17,109	\$ 18,538
13	General	(B)	\$ 727	\$ 727	\$ 727	\$ 727	\$ 727	\$ 727	\$ 727
14	PISCC Deferred Balance		\$ 2,060,148	\$ 2,080,969	\$ 2,102,566	\$ 2,130,954	\$ 2,166,062	\$ 2,201,710	\$ 2,239,413
<b>PISCC Cumulative Deferred Balance - EQUITY</b>			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)	\$ 1,881,554	\$ 1,896,786	\$ 1,912,026	\$ 1,928,168	\$ 1,944,365	\$ 1,959,784	\$ 1,976,002
16	Distribution	(B)	\$ 3,284,876	\$ 3,331,481	\$ 3,380,478	\$ 3,450,030	\$ 3,540,768	\$ 3,633,820	\$ 3,732,350
17	Distribution - IEDC	(B)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18	Underground Storage	(B)	\$ 31,065	\$ 35,094	\$ 39,177	\$ 43,285	\$ 47,412	\$ 51,708	\$ 56,229
19	General	(B)	\$ 1,966	\$ 1,966	\$ 1,966	\$ 1,966	\$ 1,966	\$ 1,966	\$ 1,966
20	PISCC Deferred Balance		\$ 5,199,461	\$ 5,265,327	\$ 5,333,646	\$ 5,423,449	\$ 5,534,510	\$ 5,647,277	\$ 5,766,547
<b>PISCC Cumulative Deferred Balance - DEBT + EQUITY</b>			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
21	Transmission	Line 9 + Line 15	\$ 2,624,378	\$ 2,644,425	\$ 2,664,483	\$ 2,685,727	\$ 2,707,044	\$ 2,727,337	\$ 2,748,682
22	Distribution	Line 10 + Line 16	\$ 4,590,890	\$ 4,652,227	\$ 4,716,713	\$ 4,808,252	\$ 4,927,673	\$ 5,050,140	\$ 5,179,817
23	Distribution - IEDC	Line 11 + Line 17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24	Underground Storage	Line 12 + Line 18	\$ 41,649	\$ 46,951	\$ 52,325	\$ 57,731	\$ 63,163	\$ 68,817	\$ 74,768
25	General	Line 13 + Line 19	\$ 2,693	\$ 2,693	\$ 2,693	\$ 2,693	\$ 2,693	\$ 2,693	\$ 2,693
26	PISCC Deferred Balance	Sum Lines 21-25	\$ 7,259,609	\$ 7,346,296	\$ 7,436,212	\$ 7,554,403	\$ 7,700,573	\$ 7,848,987	\$ 8,005,959
27	Less: Amortization of PISCC	(C)	\$ (413,305)	\$ (429,637)	\$ (445,970)	\$ (462,303)	\$ (478,636)	\$ (494,969)	\$ (511,302)
28	<b>Total PISCC Deferred Balance</b>	Line 26 + Line 27	<b>\$ 6,846,305</b>	<b>\$ 6,916,659</b>	<b>\$ 6,990,242</b>	<b>\$ 7,092,100</b>	<b>\$ 7,221,936</b>	<b>\$ 7,354,017</b>	<b>\$ 7,494,657</b>
<b>To Schedule 1, Line 5</b>									
<b>Annualized Amortization Expense</b>									
29	Transmission	Line 4 x Line 21 x 12							\$ 78,534
30	Distribution	Line 5 x Line 22 x 12							\$ 152,348
31	Distribution - IEDC	Line 6 x Line 23 x 12							\$ -
32	Underground Storage	Line 7 x Line 24 x 12							\$ 3,251
33	General	Line 8 x Line 25 x 12							\$ 100
34	<b>Total Amortization Expense</b>	Sum Lines 29-33							<b>\$ 234,232</b>
<b>To Schedule 1, Line 13</b>									

(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 \$16,333 per month beginning in January 2020 is based on annualized amortization expense of \$195,995 from TDSIC-11, Attachment JCS-2, Schedule 3, Line 34.

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY**  
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**VECTREN SOUTH**  
**COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA)**  
**COMPLIANCE COMPONENT**  
**PRE-TAX RATE OF RETURN AND AFTER TAX PISCC RATE AT DECEMBER 31, 2019**

Line	After-Tax (A)	A Amount (\$000's)	B Weighting	C Cost	D = B x C WACC
1	Debt	\$ 780,624	33.71%	4.38%	1.48%
2	Equity	\$ 1,106,555	47.79%	10.15%	4.85%
3	Cost Free Capital	\$ 414,992	17.92%	0.00%	0.00%
4	Other	\$ 13,428	0.58%	4.86%	0.03%
5	<b>Total</b>	<b>\$ 2,315,599</b>			<b>6.36%</b> (B)

To Schedule 9, Line 2

**Pre-Tax Equity Component Calculation**

6	After-Tax Cost of Equity per Line 2	4.85%		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	6.47%		Line 6 / Line 11

**Forecast - Adjusted ROR (fixed ROE)**

13	<b>Pre-Tax</b>			
14	Debt		1.48%	from Line 1
15	Equity		6.47%	from Line 12
16	Cost Free Capital		0.00%	from Line 3
17	Other		0.03%	from Line 4
17	<b>Total Pre-Tax Rate of Return</b>		<b>7.98%</b>	Sum Lines 13-16

To Schedule 1, Line 7

(A) All data in Lines 1 through 5 are per Order in most recent TDSIC Case, Cause No. 44429-TDSIC-12

**(B) Proof**

	Equity	Debt and Other	Total	
18	Total New Capital Investment	\$ 187,961,831	\$ 187,961,831	from Schedule 1, Line 6
19	Pre-Tax Return	6.47%	1.51%	from Lines 13-16
20	Return	\$ 12,156,364	\$ 2,838,224	Line 18 x Line 19
21	State Tax	\$ 616,935		5.075% x Line 20
22	Federal Taxable Return	\$ 11,539,429	\$ 2,838,224	Line 20 - Line 21
23	Federal Tax	\$ 2,423,280		Line 22 x 21%
24	After Tax Return \$	\$ 9,116,149	\$ 2,838,224	Line 20 - Lines 21 and 23
25	After-Tax Rate of Return		6.36%	Line 24 / Line 18
			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

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY**  
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**VECTREN SOUTH**  
**COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA)**  
**COMPLIANCE COMPONENT**  
**AFTER TAX PISCC RATE AT JUNE 30, 2019**

<u>Line</u>	<u>After-Tax (A)</u>	<u>A</u> <u>Amount (\$000's)</u>	<u>B</u> <u>Weighting</u>	<u>C</u> <u>Cost</u>	<u>D = B x C</u> <u>WACC</u>
1	Debt	\$ 740,624	33.40%	4.46%	1.49%
2	Equity	\$ 1,056,409	47.64%	10.15%	4.84%
3	Cost Free Capital	\$ 406,093	18.31%	0.00%	0.00%
4	Other	\$ 14,211	0.65%	5.42%	0.04%
5	<b>Total</b>	<b>\$ 2,217,337</b>			<b>6.37%</b>

(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-3, Sch 4, Pg 2).

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY  
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VECTREN SOUTH  
COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA)  
COMPLIANCE COMPONENT  
ANNUALIZED DEPRECIATION EXPENSE ON NEW CAPITAL INVESTMENT**

Line	Description	Balance at 6/30/2020	Reference
<b><u>Depreciable In-Service Balance</u></b>			
1	Transmission	\$ 58,792,798	Schedule 2, Line 13, Col. G
2	Distribution	\$ 118,905,785	Schedule 2, Line 14, Col. G
3	Distribution - IEDC	\$ -	Schedule 2, Line 15, Col. G
4	Underground Storage	\$ 1,791,469	Schedule 2, Line 16, Col. G
5	General	\$ 55,394	Schedule 2, Line 17, Col. G
6	<b>Total</b>	<b>\$ 179,545,447</b>	Sum Lines 1-5
<b><u>Monthly Depreciation Rates</u></b>			
7	Transmission	0.25%	(A)
8	Distribution	0.25%	(A)
9	Distribution - IEDC	0.00%	(B)
10	Underground Storage	0.18%	(A)
11	General	0.34%	(A)
<b><u>Annualized Depreciation Expense</u></b>			
12	Transmission	\$ 1,743,588	Line 1 x Line 7 x 12
13	Distribution	\$ 3,508,919	Line 2 x Line 8 x 12
14	Distribution - IEDC	\$ -	Line 3 x Line 9 x 12
15	Underground Storage	\$ 38,157	Line 4 x Line 10 x 12
16	General	\$ 2,232	Line 5 x Line 11 x 12
17	<b>Total Annualized Depreciation Expense</b>	<b>\$ 5,292,897</b>	Sum Lines 12-16
<b>To Schedule 1, Line 10</b>			

- (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.

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY**  
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**VECTREN SOUTH**  
**COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA)**  
**COMPLIANCE COMPONENT**  
**AMORTIZATION OF DEFERRED DEPRECIATION**

Line	Description	A Balance at 12/31/2019	B 1/31/2020	C 2/29/2020	D 3/31/2020	E 4/30/2020	F 5/31/2020	G Balance at 6/30/2020
<b>Deferred Depreciation Balance (A)</b>								
1	Transmission	\$ 1,202,439	\$ 1,210,860	\$ 1,219,285	\$ 1,228,276	\$ 1,237,302	\$ 1,245,839	\$ 1,255,432
2	Distribution	\$ 2,035,474	\$ 2,060,935	\$ 2,087,816	\$ 2,126,253	\$ 2,176,640	\$ 2,228,399	\$ 2,283,316
3	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	Underground Storage	\$ 13,929	\$ 15,628	\$ 17,352	\$ 19,086	\$ 20,829	\$ 22,639	\$ 24,542
5	General	\$ 1,767	\$ 1,767	\$ 1,767	\$ 1,767	\$ 1,767	\$ 1,767	\$ 1,767
6	Less: Amortization of Deferrals (B)	\$ (176,851)	\$ (184,179)	\$ (191,507)	\$ (198,835)	\$ (206,163)	\$ (213,491)	\$ (220,819)
7	Total Deferred Depreciation Balance	\$ 3,076,759	\$ 3,105,011	\$ 3,134,713	\$ 3,176,548	\$ 3,230,375	\$ 3,285,154	\$ 3,344,239
<b>Depreciation Rates (C)</b>								
8	Transmission							2.86%
9	Distribution							2.94%
10	Distribution - IEDC							2.94%
11	Underground Storage							4.35%
12	General							3.70%
<b>Deferred Depreciation Amortization Expense</b>								
13	Transmission					Line 1 x Line 8	\$	35,869
14	Distribution					Line 2 x Line 9	\$	67,156
15	Distribution - IEDC					Line 3 x Line 10	\$	-
16	Underground Storage					Line 4 x Line 11	\$	1,067
17	General					Line 5 x Line 12	\$	65
18	Total Deferred Depreciation Amortization Expense					Sum Lines 13-17	\$	104,158

**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 \$7,328 per month beginning in January 2020 is based on annualized amortization expense of \$87,936 from TDSIC-11, Attachment JCS-2, 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 - 35 years
  - Distribution - 34 years
  - Distribution - IEDC - 34 years
  - Underground Storage - 23 years
  - General - 27 years

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY**  
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**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	\$ 146,324	TDSIC-1, JCS-2, Sch 7, Line 1
2	TDSIC-2, Compliance Component - through 12/31/2014	\$ 537,445	TDSIC-2, JCS-2, Sch 7, Line 2
3	TDSIC-3, Compliance Component - through 06/30/2015	\$ 790,730	TDSIC-3, JCS-2, Sch 7, Line 3
4	TDSIC-4, Compliance Component - through 12/31/2015	\$ 948,050	TDSIC-4, JCS-2, Sch 7, Line 4
5	TDSIC-5, Compliance Component - through 06/30/2016	\$ 1,120,319	TDSIC-5, JCS-2, Sch 7, Line 5
6	TDSIC-6, Compliance Component - through 12/31/2016	\$ 1,387,824	TDSIC-6, JCS-R2, Sch 7, Line 6
7	TDSIC-7, Compliance Component - through 06/30/2017	\$ 1,433,702	TDSIC-7, JCS-2, Sch 7, Line 7 <b>(B)</b>
8	TDSIC-8, Compliance Component - through 12/31/2017	\$ 1,649,806	TDSIC-8, JCS-2 (Revised), Sch 7, Line 8
9	TDSIC-9, Compliance Component - through 06/30/2018	\$ 2,024,386	TDSIC-9, JCS-2, Sch 7, Line 9
10	TDSIC-10, Compliance Component - through 12/31/2018	\$ 2,316,631	TDSIC-10 JCS-2, Sch 7, Line 10 <b>(C)</b>
11	TDSIC-11, Compliance Component - through 06/30/2019	\$ 2,842,072	TDSIC-11 JCS-2, Sch 7, Line 11
12	TDSIC-12, Compliance Component - through 12/31/2019	\$ 2,612,307	TDSIC-12 JCS-2, Sch 7, Line 12
13	TDSIC-13, Compliance Component - through 06/30/2020	\$ 3,112,798	<b>(A)</b>
<b>14</b>	<b>Total Deferred Revenue Requirement</b>	<b>\$ 20,922,394</b>	

**Notes:**

- (A)** Attachment JCS-4, Schedule 3, Line 14, 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

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY  
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VECTREN SOUTH  
COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA)  
COMPLIANCE COMPONENT  
AMORTIZATION OF DEFERRED INCREMENTAL O&M EXPENSE**

Line	Description	Amount	Reference
1	Balance - at end of previous reconciliation period [12/31/2019]	\$ 7,452,110	TDSIC-12, JCS-2, Sch 8, Line 5 <b>(A)</b>
2	Deferral - current reconciliation period [Jan-Jun 2020]	\$ 3,995,712	Petitioner's Exhibit No. 2, Attachment SJV-2
3	Balance - at end of current reconciliation period [06/30/2020]	\$ 11,447,822	Sum Lines 1-3
4	Less: Expected Recoveries	\$ (3,515,466)	<b>(B)</b>
5	Balance - to be recovered in current effective period	\$ 7,932,356	Sum Lines 4-5
<b>To Schedule 1, Line 11</b>			

**Notes:**

- (A)** Includes remaining South PSA balance at 12/19/16 as shown in TDSIC-6  
**(B)** Expected recoveries attributable to O&M from TDSIC-12

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY  
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VECTREN SOUTH  
COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA)  
COMPLIANCE COMPONENT  
NOI ADJUSTED FOR GCA EARNINGS TEST**

<u>Line</u>	<u>Description</u>	<u>Total Amount</u>	<u>Reference</u>
1	Total New Statutory Investment - As of End of Period	\$ 187,961,831	From Schedule 1, Line 6
2	After-Tax Rate of Return	6.36%	From Schedule 4, Page 1, Line 5
3	NOI Adjustment for GCA Earnings Test - TDSIC-13, Compliance Component	\$ 11,954,372	Line 1 x Line 2



**SOUTHERN INDIANA GAS & ELECTRIC COMPANY**  
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**VECTREN SOUTH**  
**COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA)**  
**TDSIC COMPONENT**  
**ANNUAL REVENUE REQUIREMENT THROUGH JUNE 30, 2020**

Line	Description	Total Amount	Reference	
	<b><u>Return on New Capital Investment:</u></b>			
1	Gross New Capital Investment - As of End of Period	\$ 22,694,416	Schedule 2, Line 18, Col. G	
2	Accumulated Depreciation - As of End of Period	\$ 1,639,453	Schedule 2, Line 42, Col. G	
3	Net New Capital Investment - As of End of Period	\$ 24,333,869	Line 1 + Line 2	
4	New Capital Investment CWIP - As of End of Period	\$ 367,086	Schedule 2, Line 48, Col. G	
5	PISCC Deferred Balance - As of End of Period	\$ 967,824	Schedule 3, Line 28, Col. G	
6	Total New Capital Investment - As of End of Period	\$ 25,668,779	Line 3 + Line 4 + Line 5	
7	Pre-Tax Rate of Return	7.92%	Schedule 4, Page 1, Line 17	
8	Annualized Return on New Capital Investment	\$ 2,032,967	Line 6 x Line 7	
	<b><u>Incremental Expenses</u></b>			
9	Property Tax Expense - Annualized	\$ 143,746	(Line 1 x 0.63%) + (Line 4 x 0.21%)	(A)
10	Depreciation Expense - Annualized	\$ 619,118	Schedule 5, Line 17	
11	Amortization Expense - Deferred Incremental O&M Expense	\$ -	N/A for TDSIC Component	
12	Amortization Expense - Deferred Depreciation	\$ 13,685	Schedule 6, Line 18	
13	Amortization Expense - Deferred PISCC	\$ 34,209	Schedule 3, Line 34	
14	Total Incremental Expenses	\$ 810,757	Sum Lines 9-13	
15	Annual Revenue Requirement - TDSIC Component	\$ 2,843,724	Line 8 + Line 14	
16	Recoverable TDSIC Component of CSIA (80%)	\$ 2,274,979	Line 15 x 80%	(B)
17	To Be Deferred (20%)	\$ 568,745	Line 15 x 20%	(B)

**Notes:**

- (A) The annualized level of property taxes is calculated using an estimated Vectren South rate of 2.11% 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

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

		A	B	C	D	E	F	G
		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
<b>Line</b>	<b>Gross New Capital Investment Balance</b>							
	<b>Gross Assets</b>							
1	Transmission	\$ 124,550	\$ 124,550	\$ 124,550	\$ 124,550	\$ 124,550	\$ 124,550	\$ 124,550
2	Distribution	\$ 15,670,625	\$ 15,745,139	\$ 15,855,913	\$ 16,596,076	\$ 16,620,104	\$ 17,219,723	\$ 17,348,052
3	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	Underground Storage	\$ 4,369,630	\$ 4,383,911	\$ 4,392,557	\$ 4,394,551	\$ 4,394,551	\$ 4,394,551	\$ 6,685,981
5	General	\$ 23,575	\$ 23,575	\$ 23,575	\$ 23,575	\$ 23,575	\$ 23,575	\$ 23,575
6	<b>Total Gross Assets</b>	\$ 20,188,380	\$ 20,277,174	\$ 20,396,594	\$ 21,138,752	\$ 21,162,780	\$ 21,762,399	\$ 24,182,158
	<b>Retirements</b>							
7	Transmission	\$ (213)	\$ (213)	\$ (213)	\$ (213)	\$ (213)	\$ (213)	\$ (213)
8	Distribution	\$ (1,260,559)	\$ (1,260,559)	\$ (1,260,559)	\$ (1,265,200)	\$ (1,265,200)	\$ (1,267,888)	\$ (1,272,534)
9	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	Underground Storage	\$ (214,996)	\$ (214,996)	\$ (214,996)	\$ (214,996)	\$ (214,996)	\$ (214,996)	\$ (214,996)
11	General	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	<b>Total Retirements</b>	\$ (1,475,767)	\$ (1,475,767)	\$ (1,475,767)	\$ (1,480,408)	\$ (1,480,408)	\$ (1,483,096)	\$ (1,487,742)
	<b>Gross New Capital Investment Balance</b>							
13	Transmission	\$ 124,337	\$ 124,337	\$ 124,337	\$ 124,337	\$ 124,337	\$ 124,337	\$ 124,337
14	Distribution	\$ 14,410,066	\$ 14,484,580	\$ 14,595,354	\$ 15,330,875	\$ 15,354,904	\$ 15,951,835	\$ 16,075,518
15	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	Underground Storage	\$ 4,154,635	\$ 4,168,915	\$ 4,177,561	\$ 4,179,555	\$ 4,179,555	\$ 4,179,555	\$ 6,470,986
17	General	\$ 23,575	\$ 23,575	\$ 23,575	\$ 23,575	\$ 23,575	\$ 23,575	\$ 23,575
18	<b>Total Gross New Capital Investment</b>	\$ 18,712,613	\$ 18,801,407	\$ 18,920,827	\$ 19,658,343	\$ 19,682,372	\$ 20,279,303	\$ 22,694,416
	<b>= (Gross Assets + Retirements)</b>							<b>To Schedule 1, Line 1</b>

		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
<b>Line</b>	<b>Accumulated Depreciation Balance</b>							
	<b>Depreciation Expense</b>							
19	Transmission	\$ 17,263	\$ 17,779	\$ 18,295	\$ 18,811	\$ 19,326	\$ 19,842	\$ 20,358
20	Distribution	\$ 1,575,515	\$ 1,613,406	\$ 1,651,513	\$ 1,690,590	\$ 1,730,537	\$ 1,771,189	\$ 1,812,675
21	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	Underground Storage	\$ 178,284	\$ 187,272	\$ 196,293	\$ 205,328	\$ 214,366	\$ 223,404	\$ 234,475
23	General	\$ 9,799	\$ 9,900	\$ 10,001	\$ 10,101	\$ 10,202	\$ 10,303	\$ 10,404
24	<b>Total Depreciation Expense</b>	\$ 1,780,862	\$ 1,828,357	\$ 1,876,101	\$ 1,924,830	\$ 1,974,431	\$ 2,024,738	\$ 2,077,912
	<b>Retirements</b>							
25	Transmission	\$ (213)	\$ (213)	\$ (213)	\$ (213)	\$ (213)	\$ (213)	\$ (213)
26	Distribution	\$ (1,260,559)	\$ (1,260,559)	\$ (1,260,559)	\$ (1,265,200)	\$ (1,265,200)	\$ (1,267,888)	\$ (1,272,534)
27	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	Underground Storage	\$ (214,996)	\$ (214,996)	\$ (214,996)	\$ (214,996)	\$ (214,996)	\$ (214,996)	\$ (214,996)
29	General	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30	<b>Total Retirements</b>	\$ (1,475,767)	\$ (1,475,767)	\$ (1,475,767)	\$ (1,480,408)	\$ (1,480,408)	\$ (1,483,096)	\$ (1,487,742)
	<b>Cost of Removal</b>							
31	Transmission	\$ 817	\$ 817	\$ 817	\$ 817	\$ 817	\$ 817	\$ 817
32	Distribution	\$ 2,133,433	\$ 2,133,884	\$ 2,135,571	\$ 2,139,193	\$ 2,145,551	\$ 2,146,481	\$ 2,146,619
33	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34	Underground Storage	\$ 71,692	\$ 71,692	\$ 71,692	\$ 71,692	\$ 71,692	\$ 71,692	\$ 71,692
35	General	\$ 10,495	\$ 10,495	\$ 10,495	\$ 10,495	\$ 10,495	\$ 10,495	\$ 10,495
36	<b>Total Cost of Removal</b>	\$ 2,216,437	\$ 2,216,888	\$ 2,218,575	\$ 2,222,197	\$ 2,228,554	\$ 2,229,485	\$ 2,229,623
	<b>Total Accumulated Depreciation Balance</b>							
37	Transmission	\$ (16,234)	\$ (16,750)	\$ (17,266)	\$ (17,781)	\$ (18,297)	\$ (18,813)	\$ (19,329)
38	Distribution	\$ 1,818,477	\$ 1,781,037	\$ 1,744,617	\$ 1,713,803	\$ 1,680,214	\$ 1,643,180	\$ 1,606,478
39	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40	Underground Storage	\$ 108,403	\$ 99,415	\$ 90,395	\$ 81,359	\$ 72,322	\$ 63,284	\$ 52,212
41	General	\$ 696	\$ 596	\$ 495	\$ 394	\$ 293	\$ 192	\$ 92
42	<b>Total Accumulated Depreciation Balance</b>	\$ 1,911,342	\$ 1,864,298	\$ 1,818,241	\$ 1,777,775	\$ 1,734,531	\$ 1,687,843	\$ 1,639,453
	<b>= - Depreciation Expense - Retirements + Cost of Removal</b>							<b>To Schedule 1, Line 2</b>

		Balance at 6/30/2020
<b>Line</b>	<b>CWIP Balance</b>	
43	Transmission	\$ -
44	Distribution	\$ 5,732
45	Distribution - IEDC	\$ -
46	Underground Storage	\$ 361,354
47	General	\$ -
48	<b>Total CWIP Balance</b>	\$ 367,086
	<b>To Schedule 1, Line 4</b>	

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY**  
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**VECTREN SOUTH**  
**COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA)**  
**TDSIC COMPONENT**  
**POST IN-SERVICE CARRYING COSTS (PISCC)**

Line	Description	Reference	A	B	C	D	E	F	G
1	PISCC Rate - Monthly	Schedule 4, Page 2, Line 5 / 12		0.53%	0.53%	0.53%	0.53%	0.53%	0.53%
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		0.40%	0.40%	0.40%	0.40%	0.40%	0.40%
4	Transmission Amortization Rate - Monthly (A)	Schedule 6, Line 8 / 12		0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
5	Distribution Amortization Rate - Monthly (A)	Schedule 6, Line 9 / 12		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
6	Distribution - IEDC Amortization Rate - Monthly (A)	Schedule 6, Line 10 / 12		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
7	Underground Storage Amortization Rate - Monthly (A)	Schedule 6, Line 11 / 12		0.36%	0.36%	0.36%	0.36%	0.36%	0.36%
8	General Amortization Rate - Monthly (A)	Schedule 6, Line 12 / 12		0.31%	0.31%	0.31%	0.31%	0.31%	0.31%
<b>PISCC Cumulative Deferred Balance - DEBT</b>			<div> <div>Balance at</div> <div>12/31/2019</div> <div>1/31/2020</div> <div>2/29/2020</div> <div>3/31/2020</div> <div>4/30/2020</div> <div>5/31/2020</div> <div>Balance at</div> <div>6/30/2020</div> </div>						
9	Transmission	(B)	\$ 1,481	\$ 1,481	\$ 1,481	\$ 1,481	\$ 1,481	\$ 1,481	\$ 1,481
10	Distribution	(B)	\$ 205,508	\$ 207,601	\$ 209,811	\$ 212,556	\$ 215,781	\$ 219,400	\$ 223,476
11	Distribution - IEDC	(B)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	Underground Storage	(B)	\$ 46,714	\$ 48,488	\$ 50,275	\$ 52,070	\$ 53,865	\$ 55,661	\$ 58,898
13	General	(B)	\$ 847	\$ 847	\$ 847	\$ 847	\$ 847	\$ 847	\$ 847
14	PISCC Deferred Balance	(B)	\$ 254,551	\$ 258,417	\$ 262,415	\$ 266,954	\$ 271,975	\$ 277,389	\$ 284,703
<b>PISCC Cumulative Deferred Balance - EQUITY</b>			<div> <div>Balance at</div> <div>12/31/2019</div> <div>1/31/2020</div> <div>2/29/2020</div> <div>3/31/2020</div> <div>4/30/2020</div> <div>5/31/2020</div> <div>Balance at</div> <div>6/30/2020</div> </div>						
15	Transmission	(B)	\$ 4,048	\$ 4,048	\$ 4,048	\$ 4,048	\$ 4,048	\$ 4,048	\$ 4,048
16	Distribution	(B)	\$ 539,131	\$ 545,854	\$ 552,951	\$ 561,768	\$ 572,129	\$ 583,750	\$ 596,842
17	Distribution - IEDC	(B)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18	Underground Storage	(B)	\$ 127,702	\$ 133,398	\$ 139,140	\$ 144,903	\$ 150,671	\$ 156,438	\$ 166,836
19	General	(B)	\$ 2,101	\$ 2,101	\$ 2,101	\$ 2,101	\$ 2,101	\$ 2,101	\$ 2,101
20	PISCC Deferred Balance	(B)	\$ 672,983	\$ 685,401	\$ 698,240	\$ 712,820	\$ 728,949	\$ 746,338	\$ 769,828
<b>PISCC Cumulative Deferred Balance - DEBT + EQUITY</b>			<div> <div>Balance at</div> <div>12/31/2019</div> <div>1/31/2020</div> <div>2/29/2020</div> <div>3/31/2020</div> <div>4/30/2020</div> <div>5/31/2020</div> <div>Balance at</div> <div>6/30/2020</div> </div>						
21	Transmission	Line 9 + Line 15	\$ 5,529	\$ 5,529	\$ 5,529	\$ 5,529	\$ 5,529	\$ 5,529	\$ 5,529
22	Distribution	Line 10 + Line 16	\$ 744,639	\$ 753,455	\$ 762,762	\$ 774,323	\$ 787,910	\$ 803,150	\$ 820,318
23	Distribution - IEDC	Line 11 + Line 17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24	Underground Storage	Line 12 + Line 18	\$ 174,417	\$ 181,886	\$ 189,415	\$ 196,973	\$ 204,536	\$ 212,099	\$ 225,735
25	General	Line 13 + Line 19	\$ 2,949	\$ 2,949	\$ 2,949	\$ 2,949	\$ 2,949	\$ 2,949	\$ 2,949
26	PISCC Deferred Balance	Sum Lines 21-25	\$ 927,534	\$ 943,818	\$ 960,655	\$ 979,774	\$ 1,000,924	\$ 1,023,727	\$ 1,054,531
27	Less: Amortization of PISCC	(C)	\$ (73,424)	\$ (75,638)	\$ (77,852)	\$ (80,065)	\$ (82,279)	\$ (84,493)	\$ (86,707)
28	<b>Total PISCC Deferred Balance</b>	Line 26 + Line 27	<b>\$ 854,110</b>	<b>\$ 868,181</b>	<b>\$ 882,803</b>	<b>\$ 899,709</b>	<b>\$ 918,645</b>	<b>\$ 939,234</b>	<b>\$ 967,824</b>
<b>Annualized Amortization Expense</b>			<div> <div>To Schedule 1, Line 5</div> </div>						
29	Transmission	Line 4 x Line 21 x 12							\$ 158
30	Distribution	Line 5 x Line 22 x 12							\$ 24,127
31	Distribution - IEDC	Line 6 x Line 23 x 12							\$ -
32	Underground Storage	Line 7 x Line 24 x 12							\$ 9,815
33	General	Line 8 x Line 25 x 12							\$ 109
34	<b>Total Amortization Expense</b>	Sum Lines 29-33							<b>\$ 34,209</b>
			<div> <div>To Schedule 1, Line 13</div> </div>						

(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 (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 \$2,214 per month beginning in January 2020 is based on annualized amortization expense of \$26,551 from TDSIC-11, Attachment JCS-3, Schedule 3, Line 34.

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

Line	After-Tax (A)	A Amount (\$000's)	B Weighting	C Cost	D = B x C WACC
1	Debt	\$ 781,168	33.10%	3.99%	1.32%
2	Equity	\$ 1,146,523	48.58%	10.15%	4.93%
3	Cost Free Capital	\$ 419,469	17.77%	0.00%	0.00%
4	Other	\$ 13,056	0.55%	4.77%	0.03%
5	<b>Total</b>	<b>\$ 2,360,216</b>			<b>6.28%</b> (B)

**To Schedule 9, Line 2**

**Pre-Tax Equity Component Calculation**

6	After-Tax Cost of Equity per Line 2	4.93%		Line 2, Col. D
7	One		100.00%	
8	Less State Taxes		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	6.57%		Line 6 / Line 11

**Forecast - Adjusted ROR (fixed ROE)**

13	Debt		1.32%	from Line 1
14	Equity		6.57%	from Line 12
15	Cost Free Capital		0.00%	from Line 3
16	Other		0.03%	from Line 4
17	<b>Total Pre-Tax Rate of Return</b>		<b>7.92%</b>	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)	<b><u>Proof</u></b>	Equity	Debt and Other	Total	
18	Total New Capital Investment	\$ 25,668,779	\$ 25,668,779		from Schedule 1, Line 6
19	Pre-Tax Return	6.57%	1.35%		from Lines 13-16
20	Return	\$ 1,687,503	\$ 346,529		Line 18 x Line 19
21	State Tax	\$ 85,641			5.075% x Line 20
22	Federal Taxable Return	\$ 1,601,862	\$ 346,529		Line 20 - Line 21
23	Federal Tax	\$ 336,391			Line 22 x 21%
24	After Tax Return \$	\$ 1,265,471	\$ 346,529	\$ 1,611,999	Line 20 - Lines 21 and 23

25	After Tax Return %		6.28%	Line 24 / Line 18
			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

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY**  
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**VECTREN SOUTH**  
**COMPLIANCE AND SYSTEM IMPROVEMENT ADJUSTMENT (CSIA)**  
**TDSIC COMPONENT**  
**AFTER TAX PISCC RATE AT DECEMBER 31, 2019**

<u>Line</u>	<u>After-Tax (A)</u>	<u>A</u> <u>Amount (\$000's)</u>	<u>B</u> <u>Weighting</u>	<u>C</u> <u>Cost</u>	<u>D = B x C</u> <u>WACC</u>
1	Debt	\$ 780,624	33.71%	4.38%	1.48%
2	Equity	\$ 1,106,555	47.79%	10.15%	4.85%
3	Cost Free Capital	\$ 414,992	17.92%	0.00%	0.00%
4	Other	\$ 13,428	0.58%	4.86%	0.03%
5	<b>Total</b>	<b>\$ 2,315,599</b>			<b>6.36%</b>

(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-3, Sch 4, Pg 1).

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

Line	Description	Balance at 6/30/2020	Reference
<b><u>Depreciable In-Service Balance</u></b>			
1	Transmission	\$ 124,337	Schedule 2, Line 13, Col. G
2	Distribution	\$ 16,075,518	Schedule 2, Line 14, Col. G
3	Distribution - IEDC	\$ -	Schedule 2, Line 15, Col. G
4	Underground Storage	\$ 6,470,986	Schedule 2, Line 16, Col. G
5	General	\$ 23,575	Schedule 2, Line 17, Col. G
6	<b>Total</b>	<b>\$ 22,694,416</b>	<b>Sum Lines 1-5</b>
<b><u>Monthly Depreciation Rates</u></b>			
7	Transmission	0.41%	<b>(A)</b>
8	Distribution	0.24%	<b>(A)</b>
9	Distribution - IEDC	0.00%	<b>(B)</b>
10	Underground Storage	0.20%	<b>(A)</b>
11	General	0.43%	<b>(A)</b>
<b><u>Annualized Depreciation Expense</u></b>			
12	Transmission	\$ 6,180	Line 1 x Line 7 x 12
13	Distribution	\$ 458,316	Line 2 x Line 8 x 12
14	Distribution - IEDC	\$ -	Line 3 x Line 9 x 12
15	Underground Storage	\$ 153,413	Line 4 x Line 10 x 12
16	General	\$ 1,209	Line 5 x Line 11 x 12
17	<b>Total Annualized Depreciation Expense</b>	<b>\$ 619,118</b>	<b>Sum Lines 12-16</b>
<b>To Schedule 1, Line 10</b>			

- (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.

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

Line	Description	A Balance at 12/31/2019	B 1/31/2020	C 2/29/2020	D 3/31/2020	E 4/30/2020	F 5/31/2020	G Balance at 6/30/2020
<b>Deferred Depreciation Balance (A)</b>								
1	Transmission	\$ 4,474	\$ 4,474	\$ 4,474	\$ 4,474	\$ 4,474	\$ 4,474	\$ 4,474
2	Distribution	\$ 308,622	\$ 312,414	\$ 316,422	\$ 321,395	\$ 327,232	\$ 333,771	\$ 341,134
3	Distribution - IEDC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	Underground Storage	\$ 53,783	\$ 57,645	\$ 61,539	\$ 65,447	\$ 69,359	\$ 73,271	\$ 79,216
5	General	\$ 2,147	\$ 2,147	\$ 2,147	\$ 2,147	\$ 2,147	\$ 2,147	\$ 2,147
6	Less: Amortization of Deferrals (B)	\$ (28,738)	\$ (29,616)	\$ (30,494)	\$ (31,372)	\$ (32,250)	\$ (33,128)	\$ (34,006)
7	Total Deferred Depreciation Balance	\$ 340,288	\$ 347,064	\$ 354,088	\$ 362,092	\$ 370,962	\$ 380,534	\$ 392,965
<b>Depreciation Rates (C)</b>								
8	Transmission							2.86%
9	Distribution							2.94%
10	Distribution - IEDC							2.94%
11	Underground Storage							4.35%
12	General							3.70%
<b>Deferred Depreciation Amortization Expense</b>								
13	Transmission					Line 1 x Line 8	\$	128
14	Distribution					Line 2 x Line 9	\$	10,033
15	Distribution - IEDC					Line 3 x Line 10	\$	-
16	Underground Storage					Line 4 x Line 11	\$	3,444
17	General					Line 5 x Line 12	\$	80
18	Deferred Depreciation Amortization Expense					Sum Lines 13-17	\$	13,685

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 \$878 per month beginning in January 2020 is based on annualized amortization expense of \$10,536 from TDSIC-11, Attachment JCS-3, 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 - 35 years
  - Distribution - 34 years
  - Distribution - IEDC - 34 years
  - Underground Storage - 23 years
  - General - 27 years

**SOUTHERN INDIANA GAS & ELECTRIC COMPANY  
d/b/a VECTREN ENERGY DELIVERY OF INDIANA, INC.  
VECTREN SOUTH  
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	\$ 46,223	TDSIC-1, JCS-3, Sch 7, Line 1
2	TDSIC-2, TDSIC Component - through 12/31/2014	\$ 45,445	TDSIC-2, JCS-3, Sch 7, Line 2
3	TDSIC-3, TDSIC Component - through 06/30/2015	\$ 107,273	TDSIC-3, JCS-3, Sch 7, Line 3
4	TDSIC-4, TDSIC Component - through 12/31/2015	\$ 119,950	TDSIC-4, JCS-3, Sch 7, Line 4
5	TDSIC-5, TDSIC Component - through 06/30/2016	\$ 139,933	TDSIC-5, JCS-3, Sch 7, Line 5
6	TDSIC-6, TDSIC Component - through 12/31/2016	\$ 152,770	TDSIC-6, JCS-3, Sch 7, Line 6
7	TDSIC-7, TDSIC Component - through 06/30/2017	\$ 165,007	TDSIC-7, JCS-3, Sch 7, Line 7 (C)
8	TDSIC-8, TDSIC Component - through 12/31/2017	\$ 181,014	TDSIC-8, JCS-3 (Revised), Sch 7, Line 8
9	TDSIC-9, TDSIC Component - through 06/30/2018	\$ 195,947	TDSIC-9, JCS-3, Sch 7, Line 9
10	TDSIC-10, TDSIC Component - through 12/31/2018	\$ 217,531	TDSIC-10 JCS-3, Sch 7, Line 10 (D)
11	TDSIC-11, TDSIC Component - through 06/30/2019	\$ 258,870	TDSIC-11 JCS-3, Sch 7, Line 11
12	TDSIC-12, TDSIC Component - through 12/31/2019	\$ 253,161	TDSIC-12 JCS-3, Sch 7, Line 12
13	TDSIC-13, TDSIC Component - through 06/30/2020	\$ 297,946	(B)
14	<b>Total Deferred Revenue Requirement</b>	<b>\$ 2,181,070</b>	

**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 14, 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



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

Line	Description	Total Amount	Reference
1	Current TDSIC Recoverable Portion	\$ 2,274,979	Schedule 1, Line 16
2	Prior TDSIC Recoverable Portion	\$ 2,146,611	TDSIC-12, JCS-3, Schedule 1, Line 16
3	Increase in TDSIC Recoverable Portion	\$ 128,368	Line 1 - Line 2
4	Total Retail Revenues	\$ 85,543,228	12 Months Ended As of End of Period
5	TDSIC Cap	2%	[Ind. Code § 8-1-39-14(a)]
6	TDSIC Cap - 2% of Retail Revenues	\$ 1,710,865	Line 4 x Line 5
7	Does Increase in TDSIC Exceed 2% Cap?	No	If Line 3 > Line 6, Yes; If not, No
<b><u>If Yes:</u></b>			
8	TDSIC Cap - 2% of Retail Revenues	\$ -	If Yes - Line 6; If No, \$0
9	Plus: Prior TDSIC Recoverable Portion	\$ -	If Yes - Line 2; If No, \$0
10	Total TDSIC Recoverable in CSIA	\$ -	Line 8 + Line 9
11	Current TDSIC Recoverable Portion	\$ -	If Yes - Line 1; If No, \$0
12	TDSIC Deferred in Excess of 2% Cap	\$ -	Line 11 - Line 10
<b><u>If No:</u></b>			
13	Current TDSIC Recoverable Portion - CSIA	\$ 2,274,979	If No, Line 1; If Yes, \$0

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

<u>Line</u>	<u>Description</u>	<u>Total Amount</u>	<u>Reference</u>
1	Total New Capital Investment - As of End of Period	\$ 25,668,779	From Schedule 1, Line 6
2	After-Tax Rate of Return	6.28%	From Schedule 4, Page 1, Line 5
3	NOI Adjustment for GCA Earnings Test - TDSIC-13, TDSIC Component	\$ 1,611,999	Line 1 x Line 2

Vectren South  
Compliance Plan - Transmission Modernization Projects

Database Project Number	Oracle Project Number	Project Category	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 - 4/30/2020)	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)	
3154	16202801054013	ILI Retrofits	Evansville	Evansville	12" Kason to Hwy 41 - ILI retrofit 6.65 miles of pipeline, install filters at 7 regulator stations, install filter at one compressor, remediate pipeline exposure, and proving tool run.	2017	2017												Y	
3396	17202801054015	Odorizers	Vincennes	Vincennes	Hart St. Odorizer Replacement	2018	2018												Y	Odorizer supplier discounted equipment cost for multiple unit purchase.
3462	17202801054019	ILI Retrofits	Mt. Vernon	Mt. Vernon	16" Copperline to ABB - ILI retrofit 8.57 miles of pipeline, pressure test 0.20 miles of pipeline, and snovine tool run.	2018	2018												Y	
3396	16202801054019	Regulator Station	Washington	Oshtown	Oshtown TGT regulator station rebuild and odorizer replacement	2020	2020												N	Odorizer replacement is complete. Rebuilding of the regulator station was determined to not be required. A separate project for replacing the outlet valve has been created.
3464	16202801054013	ILI Retrofits	Rockport	Midway	12" Midway to MGT - ILI retrofit 8.89 miles of pipeline, replace rectifier, and pressure test 8.89 miles of pipeline	2019	2019												Y	The work scope for this project was reduced due to resource constraints and pig launcher/receiver work rescheduled to the Phase 2 activities under TMO3 3395/3467. Pipeline pigging and survey costs were less than estimated. Project is complete. Material charges incorrectly charged to 16202801054021 moved to 16202801054013
3395/3467	16202801054021	ILI Retrofits	Rockport	Midway	Midway to MGT Retrofit Phase 2	2020	2020												N	Project work is complete and is projected to be \$400k under the estimate. Engineering and material costs were less than expected.
3080	19202801054012	Odorizers	Evansville	Elberfeld	Elberfeld Odorizer Replacement	2020	2020												Y	Majority of project work is complete except for installation of odorizer shifter. Costs are trending to estimate.
3131	19202801054014	Odorizers	Fl. Branch	Fl. Branch	Fl. Branch Odorizer Replacement	2020	2020												Y	Project work is complete. Actual costs are trending \$359 over estimated amount. Labor costs are higher than estimated due to complexity of project not anticipated in estimate - additional week of work required at the station to complete odorizer.
4250	16202801054213	ILI Retrofits	Evansville	Evansville	Distribution support project for 16" Kason to Copperline retrofit - install 500' of 2" PE to eliminate reg station connected to Transmission line	2019	2019												Y	
3392	16202801054022 / 19202801054017	Gas Quality / Conditioning	Mt. Vernon	Mt. Vernon	Install chromatograph at Oliver Storage Field	2020	2020												N	Construction in progress. Costs are trending to estimate.
3394	16202801054023 / 19202801054016	Gas Quality / Conditioning	Washington	Monroe City	Install chromatograph at Monroe City Storage Field	2021	N/A					Project reprioritized outside of current Plan. Project will be completed at the same time as project 4186.							N	Actual charges include preliminary engineering and partial material costs only.
4299	16202801054016	Gas Quality / Conditioning	Rockport	Midway	Install filter separator and chromatograph at Midway Storage Field	2020	2020												N	Project is complete and trending \$200k under the estimate. Labor and material costs are tracking to estimate. Actual overhead and contingency costs were less than estimated.
4186	19202801054019	Gas Quality / Conditioning	Vincennes	Monroe City	Install hydrogen sulfide removal system at Monroe City Storage Field	2021	N/A												N	Actual charges include preliminary engineering and partial material costs only.
3108	16202801054015	Pressure Test	Evansville	Evansville	12" Kason/Upper Mt Vernon - Pressure test 2.05 miles of pipeline and remediate four (4) pipeline exposures on 12" Kason to BA05B pipeline	2020	N/A					Project reprioritized outside of current Plan.							N	Actual charges include preliminary engineering and partial material costs only.
4659	16202801054020	Priority Pipe	Evansville	Evansville	Replace approximately 180' of pipeline on 12" OBH to Kason	2019	2019												Y	
4656	20202801054016	ILI Retrofits	Evansville	Evansville	12" OBH to Oliver Cut Outs	N/A	2020					This project was scheduled for 2020 in order to run an inline inspection tool in Spring of 2021.							N	
5023	20202801054011	Valves / Operators / Rd	Evansville	Evansville	OBH Control Valves Replacement	N/A	2020					The control valve replacement became necessary as replacement parts are becoming increasingly challenging to obtain for the existing control valves							N	Costs are trending to estimate.
4962	20202801054013	ILI Retrofits	Mt. Vernon	Mt. Vernon	8" Dogtown to ABB Exposures	N/A	2020					The remediation of the exposures was added to 2020 due to the extent of the exposures discovered.							N	Actual costs are for engineering work only.
3463	17202801054020	ILI Retrofits	Mt. Vernon	Mt. Vernon	16" Copperline to SABIC - ILI retrofit 16.26 miles of pipeline and proving tool run	2018	2018												Y	Construction costs were less than estimated. Minimal trailing costs in TDSIC-12
3616	17202801054016	Regulator Station	Evansville	Evansville	Rebuild Levee Station	2018	2018												Y	Additional costs included unplanned disposal of odorant that could not be re-used as planned. Also costs were also incurred for design changes on electrical conduit, foundations, and additional pipe replacement. Minimal trailing costs in TDSIC-12 noted.
3397	16202801054015	Odorizers	Washington	Edwardsport	Edwardsport TGT odorizer replacement	2018	2018												Y	Actual labor costs to complete work were less than estimated.
3409	14202801054017	ILI Retrofits	Evansville	Evansville	16" Kason to Copperline - ILI retrofit 6.57 miles of pipeline, install filters at 5 regulator stations, and remediate pipeline exposure	2017	2017												Y	Actual charges were less than estimate due to the planned drill through rock only being required for 100 feet instead of 755 feet as estimated. In addition, engineering costs and overheads were less than estimated.
4236	16202801054014	Valves / Operators / Remote Control	Rockport	Richland City	Replace two 3" isolation valves at Midway Storage Field	2018	2018												Y	
4171	16202801054011	Obsolescence Equipment	Mt. Vernon	Mt. Vernon	Install filter separator at Oliver Storage Field	2018	2018												Y	The cost of fabrication of the field assembly was higher than estimated. The filter/separator was configured to feed both into and out of the station to ensure equipment reliability. Minimal trailing charges incurred in TDSIC-12 noted.
3399	16202801054018	Odorizers	Washington	Petersburg	Petersburg TGT odorizer replacement	2018	2018												Y	Actual labor costs to complete work were less than estimated.
4166	16202801054017	Odorizers	Vincennes	Balsam	Richland TGT Odorizer Replacement	2018	2018												Y	Actual labor costs to complete work were less than estimated.
4169	16202801054016	Odorizers	Vincennes	Freelandville	Freelandville Odorizer Replacement	2018	2018												Y	Actual labor costs to complete work were less than estimated.
3315	17202801054018	Miscellaneous	Mt. Vernon	Mt. Vernon	Remove insulative insulator at All Brown	2018	2018												Y	Actual labor costs to complete work were less than estimated.

Vectren South  
Compliance Plan - Distribution Modernization Projects

Database Project Number	Maximo Work Order Number	Oracle Project Number	Project Category	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 (11/1/20 - 4/30/2020)	Inception to Date Actual Spend (11/1/14 - 06/30/2020)	Actual Spend Variance (\$)	Actual Spend Variance (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)
4839	17002739	16685501050217	Pressure Monitoring / SCADA / RTU	Fort Branch	N/A	IN-FORT BRANCH-ERX INSTALLATION - REPLACE (2) RTU UNITS WITH ERX													Y	ERX remote pressure monitoring/transmitting equipment require connections between the pressure carrying station piping and the electronic device typically mounted outside with a solar panel/battery energy source. Instrumentation tubing is routed from the ERX to various points on the station piping - in many cases inside buildings. It is necessary to route most of this tubing below ground to provide access to piping, valves, etc. for operations and maintenance. To avoid damage to belowground piping and other assets, extensive hand trenching was required. To ensure no below ground facilities were damaged while extending instrumentation tubing runs inside the station buildings. This was not anticipated in project estimate due to lack of detail in historical records on location of existing other below ground assets and inability to field locate these assets
2119	14561721	17585701050214	Exposures	Vincennes	Wheatland	IN-WHEATLAND-FOWLER FARMS-REMEDiate (2) 10" HP STL MAIN EXPOSURES	2019	2019											Y	An additional 200' of 12" steel main was found to be less than two feet deep during additional field investigation performed during construction. This segment of main was also replaced/installed at a greater depth to ensure proper protection. The additional main installation also increased restoration costs and crop damage reimbursements. Trailing charges in TDSIC-13 period associated with restoration and crop damage costs.
2126	14561982	17585701050218	Exposures	Vincennes	Wheatland	IN-WHEATLAND-PATRICK DITCH-REMEDiate 10" HP STL MAIN EXPOSURE	2019	2019											Y	
1424	N/A	585450003	Ineffectively Coated Steel	N/A	N/A	2019 SW ISOLATED SERVICES	2019	2019											N	
1448	N/A	585450002	Obsolete Equipment	N/A	N/A	2019 SW OBSOLETE RISERS	2019	2019											N	
1879	14562282	17585401050218	Exposures	Evansville	Evansville	IN-EVANSVILLE-851 N RED BANK RD-REMEDiate 4" STL MAIN EXPOSURE							Project reprimarilized and scheduled for 2021						N	Actual charges include preliminary engineering and partial material costs only.
1888	11647972	17585501032212	Obsolete Equipment	Mt. Vernon	Mount Vernon	IN-MOUNT VERNON-REPLACE BRISTOL MYERS REGULATOR	2019	2021											N	
2066	15334167	17585401050228	Pressure Monitoring / SCADA / RTU	Evansville	Evansville	IN-EVANSVILLE-4384 BIG CYNTHIANA RD-INSTALL ERX	2020	2020											N	
4080	15335619	17585401050234	Non-Commercially Available Pipe Size	Evansville	Evansville	IN-EVANSVILLE-POLLACK AVE-REPLACE 4.200' OF 10" HP NON-STANDARD STL MAIN	2020	2020											Y	Project was communicated in TDSIC-12 to be trending over estimate by \$800K. It is now projected to exceed estimate by \$1,020K. Variance is primarily due to additional restoration cost associated with new 12" gas main required to be installed 6' below grade, trench width increased to 4'-5' due to depth of main and installation of 4 additional offsets to avoid conflict with other utilities (water / sewer mains and laterals). Depth and exact location of all other utilities could not be determined prior to project start. Additional costs this in the TDSIC-13 period include material & labor cost for extra depth of main and service tie-ins and restoration fill for each service / gas main tie-over, final site restoration for each service / gas main tie-over, shoring box equipment rental for extra depth bell holes and additional traffic control. Project is complete.
2122	14561856	17585701050216	Exposures	Vincennes	Wheatland	IN-WHEATLAND-MATHIS FARM-REMEDiate 10" HP STL MAIN EXPOSURE	2019	2019											Y	It was necessary to replace an additional 280' of 12" steel gas main due to inadequate depth of cover in farm field where soil had apparently been removed. From the field by the landowner sometime in the past and added to top of existing levee to contain regulated county ditch. Field investigation during construction determined the pipe depth was 30' at the proposed tie in point with only 13' of cover over the tie in filling. The new main - including the additional 280' - was installed at a greater depth to ensure protection of main. The additional 280' of shallow main was not apparent from research of existing work order information. Additional cost in TDSIC-12 period related to site restoration and crop damage due to additional pipe installed for inadequate depth of cover on the existing gas main per previous commentary.
4081	15335625	17585401050235	Non-Commercially Available Pipe Size	Evansville	Evansville	IN-EVANSVILLE-POLLACK AVE-REPLACE 4.800' OF 10" HP NON-STANDARD STL MAIN	2019	2019											Y	estimate as communicated in TDSIC-12. Additional costs for replacement of leaking high-pressure steel valve and fittings discovered during construction and the exposure of the steel valve - restoration cost, high pressure steel stopper fitting, high pressure stopper equipment, shoring equipment, additional labor cost, additional pipe, and traffic control.

Vectren South  
Compliance Plan - Distribution Modernization Projects

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3689	15334329	17585401050230	Casings	Evansville	Evansville	IN-EVANSVILLE-N ROYAL AVE-REPLACE SHORTED 2" STL MAIN AND CASING													Y	Overage caused by higher than anticipated cost is attributed to the following: construction crew extended the new gas main 50' farther north from original entry location to meet minimum installation depth requirement of 5' below creek bottom. Additional traffic control was required due to unanticipated traffic in project area
3694	15334357	17585401050231	Casings	Evansville	Evansville	IN-EVANSVILLE-1800 OHIO STREET-REPLACE SHORTED 4" STL MAIN AND CASING	2019	2019					Project rescheduled to 2021 due to the inability to schedule railroad inspector/laggers. COVID-19 constraints from CSX (RR)						N	Actual charges associated with initial sewer locates prior to start of project. Project on hold due to issues scheduling laggers and inspector with CSX railroad.
3697	15334406	17585401050232	Casings	Evansville	Evansville	IN-EVANSVILLE-OLD STATE RD-REPLACE SHORTED 4" STL MAIN AND CASING	2019	2021					Project reprimarized and scheduled for 2020						Y	Actual charges associated with initial sewer locates prior to start of project. Project on hold due to issues scheduling laggers and inspector with CSX railroad.
3698	16918068	19585401050210	Casings	Evansville	Evansville	IN-EVANSVILLE-NURRENBERN RD-REPLACE 2" STL MAIN AND CASING	2019	2020											N	Actual charges associated with initial sewer locates prior to start of project. Project on hold due to issues scheduling laggers and inspector with CSX railroad.
3699	15334554	17585501050218	Casings	Fort Branch	Haubstadt	IN-HAUBSTADT-CR 1200 S-REPLACE SHORTED 4" STL MAIN AND CASING	2020	2020											Y	Project encountered delays due to major rain events during 2019. Pumps were used to remove water from bore pits due to the amount of rain but it was necessary to re-excavate the pits due to cave-ins from saturated soil. Additional shoring boxes were used due to the depth of the existing casing 9' below grade - not clearly indicated on historical records - and amount of existing pipe to be removed from the casing.
3700	15334757	17585401050233	Casings	Evansville	Evansville	IN-EVANSVILLE - E MORGAN AVE-REPLACE SHORTED 4" STL MAIN AND CASING	2019	2019											Y	Actual charges associated with initial sewer locates prior to start of project. Project on hold due to issues scheduling laggers and inspector with CSX railroad.
3709	15335271	17585501050219	Casings	Fort Branch	Haubstadt	IN-HAUBSTADT-CR 1200 S-REPLACE SHORTED 2" STL MAIN AND CASING	2019	2019											Y	Actual charges associated with initial sewer locates prior to start of project. Project on hold due to issues scheduling laggers and inspector with CSX railroad.
3732	14562304	17585401050219	Ineffectively Coated Steel	Evansville	Evansville	IN-EVANSVILLE-N FIRST AVE-REPLACE 2.500" OF 12" STL MAIN	2020	2020											N	Construction is in progress, trending to estimate.
3862	14585051	17585601050212	Shallow Pipe	Rockport	Rockport	IN-ROCKPORT-SR 66 & SILVERDALE RD-REPLACE 1.250" OF SHALLOW 4" STL HP PIPE	2019	2021					Project reprimarized and scheduled for 2021						N	Actual charges associated with sewer locates and some materials.
1423	N/A	585450003	Ineffectively Coated Steel	N/A	N/A	2018 SW ISOLATED SERVICES	2018	2018											N	
1447	N/A	585450002	Obsolete Equipment	N/A	N/A	2018 SW OBSOLETE RISERS													N	
4189	15516310	18585501050210	Priority Pipe	Fort Branch	Buckskin	IN-FORT BRANCH-CR 880 S E OF YELLOW DOG RD -- REPLACE CASED 2" PE MAIN DUE TO LEAK UNDER RR	2018	2018											Y	Rock was encountered while boring under railroad. Construction crew required to use special drill head and equipment to bore through rock at line and material rates. Project duration increased due to the rock bore resulting in additional inspection costs. Rock was not anticipated on this project due to location. Soil sampling is not typically obtained for smaller scope bores.
4279	16126513	18585401050210	Exposures	Evansville	Evansville	IN-EVANSVILLE-TELEPHONE ROAD -- INSTALL 830' OF 2" PE TO REMEDIATE PE EXPOSURE AND TIE-OVER FOUR (4) SERVICES	2019	2021					Project reprimarized and scheduled for 2021						N	Actual charges associated with sewer locates and some materials.
4280	16127425	18585701050212	Regulator Station	Vincennes	Vincennes	IN-VINCENNES-HICKORY CORNER & MARTINDALE -- REBUILD REGULATOR STATION V-42	2020	2020											N	
4320	16276960	19585401050212	Priority Pipe	Evansville	Evansville	IN-EVANSVILLE-OUTER LINCOLN & SCENIC REPLACE CRITICAL VALVE WITH UNREPAIRABLE LEAK	2019	2021					Project reprimarized and scheduled for 2021						N	
4815	16986186	19585401050213	Exposures	Evansville	Evansville	IN-EVANSVILLE-CASTLE CREEK DR -- REMEDIATE 2" PE MAIN EXPOSURE	2019	2019											Y	Project was completed with in-house crews which resulted in lower labor cost. 60' less main installed compared to the original scope of work/estimate.
4817	16988633	19585501050210	Pressure Monitoring / SCADA / RTU	Fort Branch	Francisco	IN-FRANCISCO-ERX INSTALLATION -- INSTALL ERX ON MEDIUM PRESSURE SYSTEM	2020	2020											N	
4838	17002640	19585701050212	Pressure Monitoring / SCADA / RTU	Vincennes	N/A	IN-VINCENNES-ERX INSTALLATION - REPLACE (4) RTU UNITS WITH ERX													Y	ERX remote pressure monitoring/transmitting equipment require connections between the pressure carrying station piping and the electronic device typically mounted outside with a solar panel/battery energy source. Instrumentation tubing is routed from the ERX to various points on the station piping - in many cases inside buildings. It is necessary to route most of this tubing below ground to provide access to piping, valves, etc. for operations and maintenance. To avoid damage to belowground piping and other assets, extensive hand trenching was required to ensure no below ground facilities were damaged while extending instrumentation tubing runs inside the station buildings. This was not anticipated in project estimate due to lack of detail in historical records on location of existing off below ground assets and inability to field locate these assets.
4840	17002754	19585501050219	Pressure Monitoring / SCADA / RTU	Mt. Vernon	N/A	IN-MOUNT VERNON-ERX INSTALLATION - REPLACE (2) RTU UNITS WITH ERX	2019	2019											Y	
4841	17002769	19585601050212	Pressure Monitoring / SCADA / RTU	Boonville	N/A	IN-BOONVILLE-ERX INSTALLATION - REPLACE (2) RTU UNITS WITH ERX	2019	2019											Y	ERX remote pressure monitoring/transmitting equipment require connections between the pressure carrying station piping and the electronic device typically mounted outside with a solar panel/battery energy source. Instrumentation tubing is routed from the ERX to various points on the station piping - in many cases inside buildings. It is necessary to route most of this tubing below ground to provide access to piping, valves, etc. for operations and maintenance. To avoid damage to belowground piping and other assets, extensive hand trenching was required to ensure no below ground facilities were damaged while extending instrumentation tubing runs inside the station buildings. This was not anticipated in project estimate due to lack of detail in historical records on location of existing off below ground assets and inability to field locate these assets. Minimal testing charges in TDSIC-13 period.

Vectren South  
Compliance Plan - Distribution Modernization Projects

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4842	17002784	16585401050215	Pressure Monitoring / SCADA RTU	Evansville	N/A	IN-EVANSVILLE-ERX INSTALLATION -- REPLACE (3) RTU UNITS WITH ERX													Y	ERX remote pressure monitoring/transmitting equipment require connections between the pressure carrying station piping and the electronic device typically mounted outside with a solar panel/battery energy source. Instrumentation tubing is routed from the ERX to various points on the station piping -- in many cases inside buildings. It is necessary to route most of this tubing below ground to provide access to piping, valves, etc. for operations and maintenance. To avoid damage to belowground piping and other assets, extensive hand trenching was required to ensure no below ground facilities were damaged while extending instrumentation tubing runs inside the station buildings. This was not anticipated in project estimate due to lack of detail in historical records on location of existing other below ground assets and inability to field locate these assets. Minimal trailing charges in TDSIC-13 period.
527	16379983	18585501050216	Bridge Crossings	Mt. Vernon	Mount Vernon	IN-MOUNT VERNON-OLD HWY 62 -- RELOCATE 4" STL BRIDGE CROSSING	2019	2019											N	
528	10686330	14585401050213	Bridge Crossings	Evansville	Evansville	IN-EVANSVILLE-5609 MIDDLE MT VERNON RD -- RELOCATE 2" STL BRIDGE CROSSING	2020	2021					Reprioritized to 2021						N	
556	10686429	14585401050218	Bridge Crossings	Evansville	Evansville	IN-EVANSVILLE-MESKUR PARK DR BY ANIMAL HOSPITAL -- RELOCATE 2" STL BRIDGE CROSSING	2020	2021					Project reprioritized and scheduled for 2021						N	
577	10686840	14585401050224	Bridge Crossings	Evansville	Evansville	IN-EVANSVILLE-HWY 41 N WHIRLPOOL PARKING LOT BRIDGE-RELOCATE 8" STL BRIDGE CROSSING	2020	2021					Project reprioritized and scheduled for 2021						N	
579	10686860	14585401050226	Bridge Crossings	Evansville	Evansville	IN-EVANSVILLE-11801 WALNUT RD-SOUTH CAMPBELL RD -- RELOCATE 2" STL BRIDGE CROSSING	2020	2021					Project reprioritized and scheduled for 2021						N	
580	10686869	14585401050227	Bridge Crossings	Evansville	Evansville	IN-EVANSVILLE-15110 OLD PETERSBURG RD-RELOCATE 2" STL BRIDGE CROSSING	2020	2021					Project reprioritized and scheduled for 2021						N	
589	16379820	18585401050214	Bridge Crossings	Evansville	Evansville	IN-EVANSVILLE-S10 UPPER MT VERNON RD-RELOCATE 4" STL BRIDGE CROSSING	2020	2021					Project reprioritized and scheduled for 2021						N	
639	16379955	18585401050215	Bridge Crossings	Evansville	Evansville	IN-EVANSVILLE-BOEHNE CAMP & MIDDLE MT VERNON RD-RELOCATE 2" STL BRIDGE CROSSING	2020	2021					Project reprioritized and scheduled for 2021						N	Actual charges include preliminary engineering cost.
785	10686994	14585601050214	Non-Commercially Available Pipe Size	Boonville	Newburgh	IN-NEWBURGH-ANDERSON RD -- REPLACE 1.530' OF 2" EXTRUBE PIPE	2020	2020											N	
789	10687000	14585401050236	Non-Commercially Available Pipe Size	Boonville	Newburgh	IN-NEWBURGH-BROADVIEW -- REPLACE 1.980' OF 2" EXTRUBE PIPE	2020	2020											N	Construction in progress
790	10687002	14585601050215	Non-Commercially Available Pipe Size	Boonville	Newburgh	IN-NEWBURGH-ROSE HILL -- REPLACE 735' OF 2" EXTRUBE PIPE	2020	2020											Y	Construction in progress
791	11366189	14585601050220	Non-Commercially Available Pipe Size	Boonville	Newburgh	IN-NEWBURGH-RIDGEMONT DR -- REPLACE 1.650' OF 2" EXTRUBE PIPE	2020	2020											N	Actual charges include preliminary engineering and partial material costs only.
793	11366257	14585601050222	Non-Commercially Available Pipe Size	Boonville	Newburgh	IN-NEWBURGH-GOURLEY PL-REPLACE 1.190' OF 2" EXTRUBE PIPE	2020	2020											Y	Service lines were installed partially or fully open out due to unanticipated conflicts with sewer/water service laterals. Eleven long side services required hard top removal for service retirement. Also, temp bypass was installed at Pamela Lane and Union Street, records indicated this to be a two way feed but operations found it was only a one way feed. Increased cost in construction and restoration for bypass installation. Additional cost for traffic control was required as well due to greater than anticipated traffic in project area.
798	16380073	18585601050212	Non-Commercially Available Pipe Size	Boonville	Newburgh	IN-NEWBURGH-SHARON RD-REPLACE 2.900' OF 2" EXTRUBE PIPE	2020	2020											N	Actual charges include preliminary engineering cost.
799	16319244	18585501050213	Non-Commercially Available Pipe Size	Mt. Vernon	Wadesville	IN-MT VERNON-UPTON RD-REPLACE 4.024' OF 2" EXTRUBE PIPE	2020	2021					Project reprioritized and scheduled for 2021						N	
803	16380093	18585601050213	Non-Commercially Available Pipe Size	Boonville	Newburgh	IN-NEWBURGH-ELLERBRUSCH RD-REPLACE 2.891' OF 2" EXTRUBE PIPE	2020	2020											Y	Construction in progress
804	16380553	18585601050214	Non-Commercially Available Pipe Size	Rockport	Richland City	IN-RICHLAND CITY-SANDRIDGE-REPLACE 2.256' OF 2" EXTRUBE PIPE	2020	2021					Project reprioritized and scheduled for 2021						N	
1425	N/A	585450003-20	Ineffectively Coated Steel	N/A	N/A	2020 SW ISOLATED SERVICES	2020	2020											N	Operational resources allocated to specific projects
1449	N/A	585450002-20	Obsolete Equipment	N/A	N/A	2020 SW OBSOLETE RISERS	2020	2020											N	Operational resources allocated to specific projects
1684	16380133	18585701050216	Non-Commercially Available Pipe Size	Evansville	Evansville	IN-EVANSVILLE-BURKHARDT & PEACOCK-REPLACE 4.290' OF 2" EXTRUBE PIPE	2020	2021					Project reprioritized and scheduled for 2021						N	
1687	11364951	18585501050214	Non-Commercially Available Pipe Size	Mt. Vernon	Wadesville	IN-WADESVILLE-HWY 66 -- REPLACE 14.443' OF 2" EXTRUBE PIPE	2020	2020											N	Actual charges include preliminary engineering cost.
3616	10280403	18585501050212	Ineffectively Coated Steel	Fort Branch	Pinckton	IN-PINCKTON-PLEASANT VALLEY TRAILER COURT -- REPLACE 1.300' OF THREADED 1-1/4" STL MAIN	2020	2021					Project reprioritized and scheduled for 2021						N	
3766	12949888	18585501050217	Encroachments	Mt. Vernon	Mount Vernon	IN-MOUNT VERNON-SIEBERT RD -- INSTALL 1,000' OF 2" PE TO REMEDIATE SERVICE ENCROACHMENTS FROM TRAILERS	2020	2021					Project reprioritized and scheduled for 2021						N	
3968	15335352	17585701050220	Bridge Crossings	Vincennes	Vincennes	IN-VINCENNES-S OLD DECKER RD-RELOCATE 2" STL BRIDGE CROSSING	2020	2021					Project reprioritized and scheduled for 2021						N	
4128	17065579	19585601050213	Obsolete Equipment	Rockport	Rockport	IN-ROCKPORT-S 6TH ST -- REPLACE RECTIFIER AND GROUND BED	2020	2021					Project reprioritized and scheduled for 2021						N	
4180	16380600	18585401050216	Shallow Pipe	Evansville	Evansville	IN-EVANSVILLE-FARWAY DR -- REMEDIATE 2" STL SHALLOW MAIN	2020	2021					Project reprioritized and scheduled for 2021						N	
4203	15456031	18585601050215	Shallow Pipe	Boonville	Newburgh	IN-NEWBURGH-FAYE LN -- REMEDIATE 2" PE SHALLOW MAIN	2020	2021					Project reprioritized and scheduled for 2021						N	
4226	16319091	18585701050214	Bridge Crossings	Vincennes	Vincennes	IN-VINCENNES-N PRILLAGE RD -- RELOCATE 4" STL BRIDGE CROSSING	2020	2021					Project reprioritized and scheduled for 2021						N	
4227	16319118	18585701050215	Bridge Crossings	Vincennes	Bruceville	IN-BRUCEVILLE-N DAVIS RD -- RELOCATE 2" STL BRIDGE CROSSING	2020	2021					Project reprioritized and scheduled for 2021						N	
4235	16380047	18585601050210	Exposures	Rockport	Rockport	IN-ROCKPORT-SR 161 -- REMEDIATE 1" STL MAIN EXPOSURE	2020	2021					Project reprioritized and scheduled for 2021						N	
4836	17066256	19585601050214	Exposures	Rockport	Rockport	IN-ROCKPORT-SILVERDALE RD -- REMEDIATE 2" PE MAIN EXPOSURE	2020	2021					Project reprioritized and scheduled for 2021						N	
4853	17067244	19585401050216	Obsolete Equipment	N/A	N/A	IN-SW DIVISION-ELIMINATE (3) MP TO HP PRESSURE SYSTEM SEPARATING VALVES	2020	2020											N	Operational resources allocated to specific projects
2890	N/A	585450001	Inside Meters	N/A	N/A	2020 SW INSIDE METERS	2020	2020											N	
1401	N/A	585450001	Inside Meters	N/A	N/A	2017 SW INSIDE METERS	2017	2017											N	
4923	17173972	19585501050220	Obsolete Equipment	Fort Branch	Oakland City	IN-OAKLAND CITY-REG STA OC-196-INSTALL INLET VALVE	2019	2019											Y	Project was completed with in-house crews which resulted in lower labor costs
4924	17173976	19585501050221	Obsolete Equipment	Fort Branch	Oakland City	IN-OAKLAND CITY-REG STA OC-193-INSTALL INLET VALVE	2019	2019											Y	Bypass installation was necessary to ensure continued gas service while valve was removed. Increasing material, labor costs and excavation size. Available information indicated system had a two-way supply, but during construction it was determined to be a one way feed.
4925	17255513	19585601050215	Priority Pipe	Boonville	Newburgh	IN-NEWBURGH-W 1ST ST-REPLACE LEAKING 2" STL VALVE													Y	
4827	17002012	19585501050212	Exposures	Fort Branch	Fort Branch	IN-FORT BRANCH-CR 550 E-REMEDiate 4" PE MAIN EXPOSURE	2020	2020											N	
4828	17002570	19585501050213	Exposures	Fort Branch	Oakland City	IN-OAKLAND CITY-CR 550 S-REMEDiate 2" PE MAIN EXPOSURE	2020	2020											N	
4922	17421647	20585401050210	Exposures	Evansville	Evansville	IN-EVANSVILLE-US 41-REMEDiate 6" HP STL MAIN EXPOSURE	2020	2020											N	
5018	17907721	20585501050210	Vintage Plastic	Fort Branch	Fort Branch	IN-FORT BRANCH-REPLACE 132' OF 2" PVC	N/A	2020					Project added to 2020 to replace PVC pipe (non-standard material) recently discovered in system.							

Project Number	Maximo Work Order Number	Oracle Project Number	Project Category	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)
2069	15334275	17585401050229	Pressure Monitoring / SCADA / RTU	Evansville	Evansville	IN-EVANSVILLE-4628 HWY 41N-INSTALL ERX													Y	Construction in progress and is trending on target to estimate.
4219	15713960	18065701050210	Obsolete Equipment	Vincennes	Monroe City	IN-MONROE CITY-REPLACE 2" HP STL CRITICAL VALVE 4714	2020	2020											Y	Project overage attributed to the retirement of additional steel fittings and installation of two 6" HP line stoppers to isolate the valve to be replaced due to inadequate separation between 2" HP steel valve and 2" HP tee to install small 2" stopper as estimated. This information was not available on historical work order/drawings. Minimal trailing restoration charges were incurred in TSSC-12 period.
4323	16308812	18585401050212	Obsolete Equipment	Evansville	Evansville	IN-EVANSVILLE-REMOVE (7) KNOWN BLOCK VALVES THAT SEPARATE LOW PRESSURE AND MEDIUM PRESSURE SYSTEMS	2019	2019											Y	Only one station required block valve removal. The remainder were inspected and did not require block valve removal as was determined from historical work order review. These LP stations will be removed by upcoming scheduled RSCC projects.
4808	16681327	19065601050210	Exposures	Boonville	Yanketown	IN-YANKEETOWN-HILLS RD -- REMEDIATE 2" PE MAIN EXPOSURE	2019	2019											Y	Project was completed with in-house crews which resulted in lower labor cost and inspection costs. Also, in-house construction crew installed 20' less main compared to original scope of work.
828	3578248	16585401050213	Obsolete Equipment	Evansville	Evansville	IN-EVANSVILLE-POLLACK AVENUE-REBUILD REGULATOR STATION	2017	2017											Y	
2121	14561783	17585701050215	Exposures	Vincennes	Wheatland	IN-WHEATLAND-S GRAY BARN RD-REMEDiate 16" HP STL MAIN EXPOSURE	2019	2019											Y	
593	15334130	17585601050213	Bridge Crossings	Boonville	Newburgh	IN-NEWBURGH-SIELER RD-RELOCATE 2" STL BRIDGE CROSSING													Y	Open-cut trench was estimated but contractor was able to bore entire project, this resulted in lower restoration cost. Also, the cost of removing the retired main off the bridge was lower than estimated.
3733	14585048	17585401050220	Ineffectively Coated Steel	Evansville	Evansville	IN-EVANSVILLE-N FIRST AVE-EICHEL TO COLUMBIA-REPLACE 2,200' OF 12" STL MAIN	2018	2018											Y	Additional costs were primarily due to conflicts with other underground utilities identified during construction. These utilities were located during the design phase, but it is not possible to precisely determine their depths below pavement. Due to the number of other utilities in the construction corridor it was necessary to open cut the road rather than directionally drill segments of 2' main that were installed to facilitate the 12" main construction. Installed 2,500' of 2" plastic gas main along First Ave for service tie over versus services tied over to the new 12" steel gas main for several reasons: 1) Water and sewer mains / laterals forced new 12" gas main to be installed 5' to 6' below grade; and 2) There were over 30 locations where the new 12" steel gas main crossed water and sewer mains/laterals. Additional 2' main was installed because it was more economical than installing numerous offsets in the 12" main to avoid the conflicts. Also, service taps and EFV 5' to 6' below grade complicate future maintenance and repair. Installed 200' of 2" Medium Pressure (MP) plastic gas main in the Alley North of Columbia Street to be over service at 816 First Ave. The service at 816 First Ave could not be replaced off First Ave due to the location of a fiber duct bank, required spots and closing a third lane on First Ave. The City of Evansville would not allow a third lane to be closed. Installed additional 120' of 12" MP steel main on First Ave at the north end of the project due to ground clearance for bottom out stoppers and tie in to existing 12" MP steel main.

Vectren South  
Compliance Plan - Bare Steel and Cast Iron Projects

Database Project Number	Maximo Work Order Number	Oracle Project Number	OC	City	Project Short Description	Estimated Installed Footage	Estimated Retired Footage	Estimated Project Services	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 - 6/30/2020)	Actual Spend Variance (\$)	Actual Spend Variance (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Fall 2020 Filing)
S-1535	11471226	14585701052218	VN	VINCENNES	IN-VINCENNES-S-1535-BSCI	5,780	6,125	0	2018	2018											Y	
S-1201	14816963	17585701052212	WA	WASHINGTON	IN-WASHINGTON-S-1201-BSCI	8,963	9,462	79	2019	2019											Y	
S-1204	14817028	17585701052213	VN	VINCENNES	IN-VINCENNES-S-1204-BSCI	950	2,900	7	2019	2019											Y	
S-1236	11467221	14585701052217	WA	PETERSBURG	IN-PETERSBURG-S-1236-BSCI	4,727	6,588	60	2019	2019											Y	Historical records indicated existing steel gas main to be coated but when exposed, the gas main was a mix of bare steel and coated steel. Construction replaced 491' of additional gas main. Also, 248' of 2" medium pressure gas main was added to the project to correct a non-standard service that had been routed through multiple parcels and across state highway.
S-1254	14817070	17585701052214	VN	VINCENNES	IN-VINCENNES-S-1254-BSCI	5,890	6,100	108	2019	2019											Y	
S-1265	14817116	17585701052215	VN	VINCENNES	IN-VINCENNES-S-1265-BSCI	5,070	4,175	80	2019	2019											Y	
S-1271	14817135	17585701052216	VN	VINCENNES	IN-VINCENNES-S-1271-BSCI	5,010	7,145	85	2019	2019											Y	
S-1355	14817332	17585401052213	EV	EVANSVILLE	IN-EVANSVILLE-S-1355-BSCI	4,906	4,176	100	2019	2019											Y	1,164 feet of new gas main planned for green space was required to be installed in the street due to conflict with unstable sewer main that was discovered during construction and limited space in road right of way. The change in construction increase cost for spot hole verification, spot hole restoration, road construction restoration and traffic control.
S-1356	12304962	15585401052210	EV	EVANSVILLE	IN-EVANSVILLE-S-1356-BSCI	6,945	7,322	247	2019	2019											Y	City of Evansville water main replacement project scope changed after design/estimate for BSCI project was completed requiring new gas main to be installed in the street. Total of 3,274' of new gas main was moved from green space and into the street and replaced 247 services. With the new main moved into the street additional cost to replace the services in the street increase construction cost as well as restoration cost. The additional cost for street installation includes: open cut bell holes in the street, spot holes, fill bell and spot holes with flowable fill, open cut service taps, dig spot verification holes for service lines, fill service tap holes and spot holes with flowable fill and make final repair by installing asphalt cap on any cut into the street per City of Evansville requirement. Minimal trailing charges in TDSIC-13 period.
S-1376	14817486	17585401052215	EV	EVANSVILLE	IN-EVANSVILLE-S-1376-BSCI	2,881	4,437	9	2019	2019											Y	
S-1377	14817559	17585401052216	EV	EVANSVILLE	IN-EVANSVILLE-S-1377-BSCI	3,405	6,290	51	2019	2019											Y	An uncommunicated 36" brick sewer main was found in the path of the proposed HCO. Sewer laterals could not be located off of brick main, resulting in open trenching 410' of 4" HCOE main on Chandler Ave between 8th St & 8th St Street. Also required to open cut intersection of Chandler Ave and SE 4th Street from N to S due to another unlocated brick sewer. Open cutting resulted in additional project duration and restoration, inspection, and traffic control costs.
S-1565	14817602	17585701052217	VN	VINCENNES	IN-VINCENNES-S-1565-BSCI	2,770	6,005	23	2019	2019											Y	Project coverage is attributed to the method of installation: open-cut trench in the street versus bore due to the inability to complete sewer location. This project had 601' of open cut trench which increased cost for restoration and traffic control. Minimal trailing charges in TDSIC-13 period.
S-1982	14817669	17585701052218	WA	WASHINGTON	IN-WASHINGTON-S-1982-BSCI	3,583	3,823	58	2019	2019											Y	
S-2169	14817738	17585401052217	EV	EVANSVILLE	IN-EVANSVILLE-S-2169-BSCI	5,445	5,265	162	2019	2019											Y	1,562' of main was moved from proposed green space into the road due to an old storm sewer tunnel not identified in city plans or design location, limited right of way and conflict with other utilities. The change in construction increased traffic control and restoration cost. Also, City of Evansville requested our work to be expedited to allow the reworking of Lodge St. This resulted in increased labor costs. Minimal trailing charges in TDSIC-13 period.
S-2183	14817775	17585401052218	EV	EVANSVILLE	IN-EVANSVILLE-S-2183-BSCI	2,135	4,868	14	2019	2019											Y	Super Venturizer 1" x 10' x 10" HDPE pipe per undersize. Evansville due to inability to locate services and identified conflict with previously unlocated fiber optic duct bank. Restoration, inspection, and traffic control exceeded estimated costs due to change in installation method.
S-2195	14818013	17585701052219	WA	WASHINGTON	IN-WASHINGTON-S-2195-BSCI	5,983	4,534	60	2019	2019											Y	
S-2200	14818084	17585701052220	VN	VINCENNES	IN-VINCENNES-S-2200-BSCI	2,385	2,655	37	2019	2019											Y	
S-2247	14818103	17585701052221	WA	WASHINGTON	IN-WASHINGTON-S-2247-BSCI	5,771	5,354	83	2019	2019											Y	
S-2375	14818240	17585701052223	VN	VINCENNES	IN-VINCENNES-S-2375-BSCI	6,260	5,220	127	2019	2019											Y	
S-2386	14818901	17585701052224	WA	WASHINGTON	IN-WASHINGTON-S-2386-BSCI	2,845	3,323	42	2019	2019											Y	Main installation was reduced and three sewer services identified compared to estimate due to inactive services identified during construction. Most services were inserted than originally planned reducing service costs and restoration.
S-2395	14818999	17585401052219	EV	EVANSVILLE	IN-EVANSVILLE-S-2395-BSCI	7,252	7,408	61	2019	2019											Y	
S-2407	14819177	17585401052220	EV	EVANSVILLE	IN-EVANSVILLE-S-2407-BSCI	5,739	7,889	25	2019	2019											Y	
S-2408	14819430	17585401052221	EV	EVANSVILLE	IN-EVANSVILLE-S-2408-BSCI	4,020	5,088	103	2019	2020											Y	
S-2484	16037132	15585401052210		EVANSVILLE	IN-EVANSVILLE-S-2484-BSCI	850	850	14	2019	2019											Y	Five fewer services installed compared to original estimate due to inactive services identified during construction. Construction crew was able to insert more services than the original scope of work assumed resulting in reduced actual cost for construction and restoration. Furthermore, 29 feet less main installed and 361 feet less main retired due to inactive services found during construction and route change. This change decreased the cost of installation and restoration.
S-1230	11469527	14585701052214	WA	LOOSDOTTREE	IN-LOOSDOTTREE-S-1230-BSCI	4,888	6,437	56	2020	2020											Y	Construction is in progress
S-1233	15981596	18985701052212	WA	LOOSDOTTREE	IN-LOOSDOTTREE-S-1233-BSCI	6,450	6,390	86	2020	2020											N	Construction is in progress
S-1235	11467026	14585701052216	WA	PETERSBURG	IN-PETERSBURG-S-1235-BSCI	5,550	6,890	110	2020	2020											Y	Construction is in progress
S-1237	12340179	15585701052214	WA	PETERSBURG	IN-PETERSBURG-S-1237-BSCI	4,900	4,830	84	2020	2020											Y	Construction is in progress
S-1244	15961096	18985701052213	VN	VINCENNES	IN-VINCENNES-S-1244-BSCI	6,600	6,600	98	2020	2020											N	Actual charges include preliminary engineering and parts material costs only.
S-1297	15981116	18985701052214	VN	VINCENNES	IN-VINCENNES-S-1297-BSCI	3,600	3,600	68	2020	2020											Y	Construction is in progress
S-1298	15981144	18985701052215	VN	VINCENNES	IN-VINCENNES-S-1298-BSCI	6,600	6,600	99	2020	2020											N	Construction is in progress
S-1262	15981311	18985701052216	VN	VINCENNES	IN-VINCENNES-S-1262-BSCI	5,900	5,900	88	2020	2020											N	Construction is in progress
S-1366	14817430	17585401052214	EV	EVANSVILLE	IN-EVANSVILLE-S-1366-BSCI	4,133	4,861	81	2020	2021											N	Actual charges include preliminary engineering and parts material costs only.
S-1371	15981409	18985401052215	EV	EVANSVILLE	IN-EVANSVILLE-S-1371-BSCI	4,325	4,325	67	2020	2020											N	Actual charges include preliminary engineering and parts material costs only.
S-1372	15983331	18985401052214	EV	EVANSVILLE	IN-EVANSVILLE-S-1372-BSCI	5,800	5,800	88	2020	2020											N	Actual charges include preliminary engineering and parts material costs only.
S-1374	15983878	18985401052215	EV	EVANSVILLE	IN-EVANSVILLE-S-1374-BSCI	4,552	4,552	84	2020	2020											Y	Construction is in progress
S-1381	10963908	18985401052216	EV	EVANSVILLE	IN-EVANSVILLE-S-1381-BSCI	4,790	4,790	74	2020	2021											N	Actual charges include preliminary engineering and parts material costs only.
S-2172	15963929	18985401052217	EV	EVANSVILLE	IN-EVANSVILLE-S-2172-BSCI	3,150	3,150	48	2020	2020											Y	Construction is in progress
S-2173	15963988	18985401052218	EV	EVANSVILLE	IN-EVANSVILLE-S-2173-BSCI	4,950	4,950	70	2020	2021											N	Actual charges include preliminary engineering and parts material costs only.
S-2176	15964068	18985401052219	EV	EVANSVILLE	IN-EVANSVILLE-S-2176-BSCI	4,930	4,930	61	2020	2020											Y	Construction is in progress
S-2177	15964090	18985401052220	EV	EVANSVILLE	IN-EVANSVILLE-S-2177-BSCI	4,642	4,642	69	2020	2020											N	Construction is in progress
S-2178	15964108	18985401052221	EV	EVANSVILLE	IN-EVANSVILLE-S-2178-BSCI	3,987	3,987	77	2020	2020											Y	Actual charges include preliminary engineering and parts material costs only.
S-2192	15964156	18985701052218	WA	PETERSBURG	IN-PETERSBURG-S-2192-BSCI	2,050	2,050	32	2020	2020											Y	Actual charges include preliminary engineering and parts material costs only.
S-2297	15964174	18985701052219	VN	VINCENNES	IN-VINCENNES-S-2297-BSCI	5,028	5,028	42	2020	2020											N	Actual charges include preliminary engineering and parts material costs only.
S-2409	14819468	17585401052222	EV	EVANSVILLE	IN-EVANSVILLE-S-2409-BSCI	2,771	3,819	68	2020	2021											N	Actual charges include preliminary engineering and parts material costs only.
S-2452	15964254	18985701052220	VN	VINCENNES	IN-VINCENNES-S-2452-BSCI	4,600	4,600	56	2020	2022											N	Actual charges include preliminary engineering and parts material costs only.
S-2454	16142354	18985701052222	WA	PETERSBURG	IN-PETERSBURG-S-2454-BSCI	5,550	5,550	92	2020	2020											Y	Construction is in progress
S-2465	16142364	18985701052223	WA	PETERSBURG	IN-PETERSBURG-S-2465-BSCI	3,500	3,500	56	2020	2020											Y	Construction is in progress



Databases	Maximo Work Order Number	Oracle Project Number	OC	City	Project Short Description	Estimated Installed Footage	Estimated Redfired Footage	Estimated Project Service	Previous Planned Year (4/1/26)	Current Planned Year	Previous Estimate (4/1/26)	Current Estimate	Estimate Variance (\$)	Estimate Variance (%)	Timing Variance Commentary (Current Fall 2026 Filing)	Estimate Variance Commentary (Current Fall 2026 Filing)	Current Period Actual Spend (11/1/20 - 6/30/2026)	Inception to Date Actual Spend (11/1/14 - 6/30/2026)	Actual Spend Variance (\$)	Actual Spend Variance (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Fall 2026 Filing)
S-2466	16142433	18065701052224	WA	PETERSBURG	IN.PETERSBURG-S-2466-BSCI	3,350	3,350	53	2020	2020						Project reauthorized and scheduled for 2021					Y	Actual charges include preliminary engineering and path material costs only.
S-702	15964275	18065401052222	EV	EVANSVILLE	IN.EVANSVILLE-S-702-BSCI	4,493	4,493	73	2020	2021							N	Actual charges include preliminary engineering and path material costs only.				
S-2488	16716435	19065701052210	VN	VINCINNIES	IN.VINCINNIES-S-2488 - BSCI --	396	817	0	2019	2019											Y	Construction crew install additional 750' of 4" HDPE gas main on Wabash to eliminate an isolated section of bare steel discovered during construction and replaced 2 services. Also, construction replaced bubbling gas valve within the project scope.
S-2372	14818158	17065701052222	VN	VINCINNIES	IN.VINCINNIES-S-2372-BSCI	0	3,055	3	2019	2019											Y	All reinfed was made in green space. Restoration was included in the estimate but not required.
S-2037	12313112	15065701052210	VN	VINCINNIES	IN.VINCINNIES-S-2037-BSCI -	2,518	2,011	49	2016	2016											Y	Project overage is attributed to the method of installation: open-cut trench in the street versus bore due to the inability to complete sewer locates, this increased the restoration costs and/or
S-1176	11466756	14065701052212	WA	WASHINGTON	IN.WASHINGTON-S-1175-BSCI	6,840	6,880	70	2018	2018											Y	
S-1254	13968988	16065501052214	FB	PRINCETON	IN.PRINCETON-S-1254-BSCI	3,251	3,933	44	2018	2018											Y	
S-1373	13887291	16065401052219	EV	EVANSVILLE	IN.EVANSVILLE-S-1373-BSCI	4,099	4,354	94	2018	2018											Y	Project overage attributed to 2,500' of main relocated from green space to the street due to trees, landscaping and utility conflicts. These charges resulted in an increase in restoration, traffic control and inspection cost.
S-2102	13991818	16065501052216	FB	PRINCETON	IN.PRINCETON-S-2102-BSCI	8,258	5,433	60	2018	2018											Y	
S-2105	13992237	16065501052217	FB	PRINCETON	IN.PRINCETON-S-2105-BSCI	1,658	1,561	9	2018	2018											Y	
S-2111	13992290	16065401052217	EV	EVANSVILLE	IN.EVANSVILLE-S-2111-BSCI	1,440	1,703	26	2018	2018											Y	
S-2132	13704422	16065701052217	WA	WASHINGTON	IN.WASHINGTON-S-2132-BSCI	2,470	3,165	30	2018	2018											Y	
S-2282	14304786	17065401052210	EV	EVANSVILLE	IN.EVANSVILLE-S-2282-BSCI	3,630	3,933	62	2018	2018											Y	An additional 289 feet of approached main was required to tie in to the existing system. Restoration costs ran more than expected due to the additional spot holes needed on services crossing other utilities and the main installation in a very congested road right of way area with other utilities. Minimal trailing charges in TOSIC-12 period.
S-2315	14762097	17065501052210	FB	PRINCETON	IN.PRINCETON-S-2315-BSCI	3,624	4,462	48	2018	2018											Y	
S-24	14819126	17065701052225	VN	VINCINNIES	IN.VINCINNIES-S-24-BSCI	5,450	7,520	80	2018	2018											Y	
S-2446	16730990	18065401052212	EV	EVANSVILLE	IN.EVANSVILLE-S-2446-BSCI	7,120	10,135	180	2018	2018											Y	Project review and 10' x 12' manhole was seen close away into the street due to conflict with telephone duct bank, incomplete sewer locates and the retirement of a leaking steel valve. Open cut 72' in the street at Berninghof Ave due to construction crew could not locate one gas service. It was necessary to install 500' of new 2" main west of east curb line and into the street of South Brooke Road due to conflict with Telephone duct bank (rather than between curb/grass). Incomplete sewer locates (unable to locate) and the retirement of a leaking 2" steel valve at the intersection of Brooke Road and Jackson Ave all of which required open cutting of street and subsequent hard surface restoration. Open cut 72' in the street at 708, 708 and 706 Berninghof Ave due to the construction crew which could not find gas service at 708 Berninghof Ave. Additional restoration cost was and additional traffic control cost was held on restoration: the project replaced 180 services which required additional spot hole verification and bell holes for service tie-overs. Additional excavations were required for the retirement of cast iron within the scope of work. Minimal trailing charges in TOSIC-12 period.
S-687	12341291	15065701052216	WA	WASHINGTON	IN.WASHINGTON-S-687-BSCI	2,812	3,457	66	2018	2018											Y	
S-700	13887385	16065401052220	EV	EVANSVILLE	IN.EVANSVILLE-S-700-BSCI	5,050	5,027	134	2018	2018											Y	
S-704	13992346	16065401052218	EV	EVANSVILLE	IN.EVANSVILLE-S-704-BSCI	5,070	4,183	74	2018	2018											Y	
S-1199	14819753	17065701052219	WA	WASHINGTON	IN.WASHINGTON-S-1199-BSCI	5,620	8,246	121	2018	2018											Y	

### Vectren South TDSIC Plan Projects

Maximo Work Order Number	Oracle Project Number	Project Category	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 (11/17/20 - 6/30/2020)	Inception to Date Actual Spend (11/17/20 - 06/30/2020)	Actual Spend Variance (\$)	Actual Spend Variance (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)
																			System changed from a single tower system to a dual tower system for better turn down rates necessary to manage gas flow from field. Also added a combustor unit to reduce emissions and spill containment to meet environmental permitting requirements. New equipment initiated need to complete permitting review for site. Additional contract combustor unit and large skid required additional and larger foundations for the stabilization and sling of the equipment also required a portion of the fencing site enlargement. The addition of the combustor unit also added controls and alarms for the safety system. The cost to enlarge the site fencing and add additional controls for the variable speed drives, temp and pilot alarms and associated controls along with the large foundations caused the project to go over by 50%. Changes in TDSIC-13 period are associated with items described above. Project is complete.
J5103	1720601006011	Gas Production & Storage	N/A	EVANSVILLE	DEHYDRATOR AT MONROE CITY FIELD	2019	2019											Y	
4703076	17585601G61210	System Improvement	RP	HATFIELD	IN-HATFIELD-OLD HIGHWAY 66-SYSTEM UPRATE TO 60 MACP	2019	2021					Project reauthorized outside of current Plan.						N	Actual charges are associated with preliminary survey and easement investigation.
																		Y	Actual costs were less than the original estimate due to reduced labor and material costs. Material costs were less than estimated due to a scope change during the construction phase which allowed for the relocation of 200' less main than originally planned due to the availability of a newer 8-in location. This new 8-in location also allowed for the avoidance of a road crossing and the associated road restoration costs. Labor costs were less due to less main being installed, road crossing and restoration being eliminated, and overall project took less time than originally estimated. Minimal trailing charges in TDSIC-12
12622769	17585601G61212	Public Improvement	BV	NEWBURGH	IN-NEWBURGH-OAK GROVE PH III HICKORY DR. TO SR 261 - RELOCATE MAIN DUE TO ROAD WIDENING PROJECT	2018	2018											Y	Trending to \$2.4M over estimate. Significant issues - as discussed in detail in TDSIC-16 - were encountered during construction including gas emission from an adjacent part of the field later determined to be native gas. Additional testing and casing bond work was required to ensure integrity of the disposal well, greatly increasing construction cost. Cost limited to \$2.29M as agreed to in TDSIC-11
317	1800601006011	Gas Production & Storage	N/A	EVANSVILLE	OLIVER DISPOSAL WELL IN-EVANSVILLE - GREEN RIVER RD. FROM KANSAS RD TO BOONVILLE NEW HARMONY RD. - RELOCATE MAIN DUE TO ROAD IMPROVEMENT PROJECT, Phase 6	2018	2018											Y	
1565999	18585401G61210	Public Improvement	EV	EVANSVILLE		2018	2018											Y	Construction completed
																		Y	The actual construction costs exceeded the estimate primarily due to a very difficult railroad bore which delayed the project completion significantly. During the crossing of the railroad by jack & bore method five bore casing became stuck in the very dense clay soil and could not be advanced or retrieved. Ultimately the original bore and casing had to be retrodrilled and a second bore was accomplished in a different location. The original estimate included two weeks and \$90k for labor for the bore which ultimately took nine weeks and cost approximately \$400k for the bore and other associated labor for traffic control and restoration. Changes in TDSIC-13 period are from a delayed invoice for railroad inspection services. No additional charges are anticipated.
1262668	17585401G61212	Public Improvement	EV	EVANSVILLE	IN-EVANSVILLE-GREEN RIVER RD. FROM BOONVILLE NEW HARMONY TO SR 57 - RELOCATE MAIN DUE TO ROAD IMPROVEMENT PROJECT, Phase 7	2019	2019											Y	Existing below ground electrical conduit was found in very poor condition and needed to be replaced. The power feed into the building from the substation was found during construction to be in poor condition and required upgrade. This additional work increased the project cost significantly above estimate. As discussed in TDSIC-11, an additional \$30,000 in expenditures related to the electrical system components were expected in TDSIC-12. Most of this cost was due to a new PLC system installed to control the compressor unit. The existing PLC was antiquated and not functioning properly with new electrical system.
J5108	1800601006013	Gas Production & Storage	N/A	EVANSVILLE	ELECTRICAL COMPRESSOR STATION-MIDWAY	2018	2018											N	Actual charges include preliminary engineering and partial material costs only. Project need is being re-evaluated. Material may be utilized on other projects. Credit in TDSIC-13 period is for transfer of material charges to SMOED well project 2020061005013 QLP-067 Wells P15, D-01.
307	1800601006012	Gas Production & Storage	N/A	EVANSVILLE	MIDWAY DISPOSAL WELL	2021	2021											Y	In TDSIC-12, project cost was expected to be less due to overlapping BSCG project which would have retired some main in conflict. However, the BSCG project was delayed to 2021 because of pandemic related schedule changes. This resulted in some additional costs for the PI project to retire segments of the low pressure bare steel main. The primary cost variance over the original estimate was due to the City of Evansville late work scope change due to results of a geotechnical report which revealed poor soil conditions causing subgrade treatment to be changed/deepened resulting in more of existing gas facilities to be in need of reconfiguring/relocation than originally planned. Restoration increased from 130 feet of 10 inch steel main to approximately 300 feet of 10 inch steel main and 100 feet of 2 inch PE main. Six services associated with the additional main also required relocation.
12622817	17585401G61213	Public Improvement	EV	EVANSVILLE	IN-EVANSVILLE-SE 2ND ST & WASHINGTON AVE. - RELOCATE MAIN DUE TO ROUNDABOUT PROJECT, Phase 1	2019	2020					Project was initiated at end of 2019, but primary construction will be completed in 2020.						N	Project delayed again by the City of Evansville until approximately 2024. Estimate in budgetary and based on preliminary plans. Final plans not yet available.
16062352	TBD	Public Improvement	EV	EVANSVILLE	IN-EVANSVILLE-SE 2ND ST & WASHINGTON AVE. - RELOCATE MAIN DUE TO ROUNDABOUT PROJECT, Phase 2	2020	2024												Construction not started, scheduled for future, possibly 2024.
																		Y	Project was communicated as trending over by \$150k in TDSIC-12. Final cost projected at \$215k over estimate. 1,000' of new gas main planned for installation adjacent to road had to be moved into the street due to inability to track drill bore head under dense tree area. This increased restoration costs. Warren County required a full width pavement overlay on any street cuts - a new County requirement. Increase in variance from \$150k to \$215k primarily due to rock encountered while boring in the new gas main at multiple locations and in at Highway 662 where main was found at 10' depth. Several shoring boxes were required for this deep excavation and not anticipated in estimate.
12631889	17585601G61212	System Improvement	BV	NEWBURGH	IN-NEWBURGH-FUQUAY TELEPHONE TO SR 261 APPROXIMATELY 1 MILE REPLACEMENT TO INCREASE SYSTEM MINIMUM PRESSURE	2019	2019											N	
6554660	17585401G61213	System Improvement	EV	EVANSVILLE	IN-EVANSVILLE-FRISSE AND CRANE-REPLACE SHORT SECTION OF DAMAGED MAIN WHICH CAN NOT BE REPAIRED	2020	2020											Y	Construction is in progress
12631457	17585701G61213	System Improvement	WA	WASHINGTON	IN-WASHINGTON-CP 1215-3-RELOCATE 12 MILE OF MAIN TO ADDRESS ACCESS AND ENCROACHMENTS	2020	2020											N	Cancelled by project owner
4262046A	43685401G612046	Public Improvement	EV	EVANSVILLE	IN-EVANSVILLE-CLYDE AND BURNINGWOOD ROAD-RELOCATE MAIN DUE TO ROAD IMPROVEMENT PROJECTS	2020	2020					Cancelled by project owner						Y	
8067870	17585501G61212	System Improvement	FB	FORT BRANCH	IN-FORT BRANCH-SR 168-MAN INSTALLATION TO SUPPORT MULTIPLE GRAN OXIDES IN THE AREA	2018	2018											Y	

Project Number	Drach Project Number	Project Category	Storage Field	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 (%)	Tuning 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 (1/1/19 - 6/30/2020)	Actual Spend Variance (\$)	Actual Spend Variance (%)	In-service? (Y or N)	Actual Spend Variance Commentary (Current Spring 2020 Filing)
4199	TBD	Well Construction / Remediation	Midway	Midway	Midway	New horizontal injection / withdrawal well to replace MD-026 E, followed by 1 additional well	N/A	N/A					More research required prior to define timing and scope.						N	
TBD	20200601055014	Emergency Response	Oliver	Oliver	Oliver	Install 14 additional well access roads at Olive Storage Field	2020	2020											N	Work to be completed in late 2020
TBD	20200601055015	Emergency Response	Midway	Midway	Midway	Install 9 well access roads at Midway Storage Field	2020	2020											N	Work in progress. Land owner negotiations still in progress.
TBD	20200601055016	Emergency Response	Monroe City	Monroe City	Monroe City	Install 5 additional well access roads at Monroe City Storage Field	2020	2020											N	Work in progress. Land owner negotiations still in progress.
4730	18200601050019	Emergency Response	Oliver	Oliver	Oliver	Install additional well access roads at Oliver Storage Field	2018	2018											Y	Access to wells is necessary both for emergency response and well logging requirements. Original project scope consisted of roads to Oliver well sites. After evaluation of well logging requirements and schedule for 2020, construction on eight additional roads to twelve well sites plus two large culvert installations was pulled forward into Fall 2019. Costs partially offset by underspend on project 4027 (first road project for Oliver).
4200	18200601055016	Well Construction / Remediation	Midway	Midway	Midway	Drill new observation well at Midway Storage Field	2020	2021						Project reauthorized and scheduled for 2021					N	Actual costs are for engineering only.
4209	18200601055017	Well Construction / Remediation	Oliver	Oliver	Oliver	Plug & Abandon OLP-006 Becker #9 Well	2018	2018											Y	Original project plan was to plug the Becker #9 well due to conflict with drainage ditch and performance issues and leave the transmission line in place for use with a future well. As described TDSIC-11, multiple plugging attempts were required to successfully complete the operation. Standard "squeeze" procedures with water and cement were attempted first but were unsuccessful. Additional attempts were made using more specialized techniques/procedures - with bridge plugs, cement sealers but were also unsuccessful in achieving cement flow into the formation. Ultimately, it was necessary to acid clean the well which resulted in successful plugging of the formation with the next cement injection. The geological structure of the formation was such that it would not accept the cement until the fractures were opened by the acidizing process. The primary cost variance was due to the additional rig time and materials required to perform multiple squeezing operations. An additional cost was also incurred to retire the transmission line as the timing and location of the future replacement well is undetermined. Geology and casing condition can result in additional cost to seal wells - it is not possible to identify these situations in advance. Replacement well is undetermined. Project is complete.
4313	TBD	Equipment	Monroe City	Monroe City	Monroe City	Install Phase 1 of remote pressure monitoring at Midway													N	
4318	TBD	Pressure Monitoring / SCADA / RTU	Monroe City	Monroe City	Monroe City	Install Phase 1 of remote pressure monitoring at Monroe City	2020	2020						Work in progress					N	
4319	18200601055011	Well Construction / Remediation	Monroe City	Monroe City	Monroe City	Install line to remediate integrity defect, access road and downhole pressure monitoring at MCP-018 Drilling #1	2019	2019											Y	
4345/4344	TBD	Pressure Monitoring / SCADA / RTU	Oliver	Oliver	Oliver	Install Phase 2 of remote pressure monitoring at Oliver - combined 4344 and 4341	2020	2021						Project reauthorized and scheduled for 2021.					N	
4710	18200601055020	Emergency Response	Midway	Midway	Midway	Install access roads at Midway Storage Field	2019	2019											Y	Plan forward additional road construction to prepare for acid well work. Constructed 7 wells access roads prior 2019 year. Then pulled forward the construction of 4 additional road ways to 6 wells and installed 2 large culverts for access.
4263	18200601055018	Well Construction / Remediation	Monroe City	Monroe City	Monroe City	Drill new observation well at Monroe City Storage Field	2020	2021						Project reauthorized and scheduled for 2021.					N	Actual costs are for engineering only.
4554	20200601055012	Equipment	Monroe City	Monroe City	Monroe City	Replace 2 wellheads at Monroe City Storage Field	2020	2020											Y	One well head was replaced (Mc Coy #1). There are no remaining wellheads that require replacement.
4602	TBD	Pressure Monitoring / SCADA / RTU	Monroe City	Monroe City	Monroe City	Install Phase 2 of remote pressure monitoring at Monroe City	2020	2020											Y	
TBD	18200601055014	Well Construction / Remediation	Monroe City	Monroe City	Monroe City	MCP-003 WG McCoy #3 WH Change	2019	2019											Y	Project is complete.
4803/4312	18200601055018	Pressure Monitoring / SCADA / RTU	Midway	Midway	Midway	Install Phase 2 of remote pressure monitoring at Midway	2020	2020											N	
	18200601055018	Pressure Monitoring / SCADA / RTU	Midway	Midway	Midway	Install remote pressure monitoring at Midway - combined 4803 & 4312	2020	2020											N	Construction in progress
4092	TBD	Pressure Monitoring / SCADA / RTU	Midway	Midway	Midway	Install Phase 1 of remote pressure monitoring at Midway	2020	2020											N	
	18200601055014	Well Construction / Remediation	Midway	Midway	Midway	Install remote pressure monitoring at Midway - combined 4803 & 4312	2020	2020											N	
4804	20200601055011	Well Construction / Remediation	Monroe City	Monroe City	Monroe City	Replug & Plug Tearing #1 well at Monroe City Storage Field	2020	2020											N	Project is trending \$640k over the estimate. Additional costs to date are primarily due to inaccurate/complete well records and unexpected field conditions encountered during the well plugging operation. Additional time was required to drill w.c. at 1950s. Shipping materials (wood, drilling mud, gravel, and cement). Coal seam gas (non-storage) was unexpectedly encountered at 413 - much shallower than indicated by records - and at a higher than typical pressure. A larger drill rig was mobilized with a complete mud system to control the gas pressure and mud quality at the higher pressure. Several additional joints of casing were cemented into the well because of the elevated gas pressure. Surface casing was also added to protect water table due to shallow gas. Additional engineering costs were incurred to engage specialty well control firm for consultation on mitigation measures for the well.
4805	TBD	Well Construction / Remediation	Oliver	Oliver	Oliver	Replug 1 well at Oliver Storage Field	N/A	N/A											N	Project is complete.
4861	18200601055012	Well Construction / Remediation	Monroe City	Monroe City	Monroe City	OLP-004 AA Becker #2 Wellhead Replacement	2019	2019											Y	
4862	18200601055016	Well Construction / Remediation	Oliver	Oliver	Oliver	OLP-004 AA Becker #2 Wellhead Replacement	2019	2019											Y	Project is complete.
4863	18200601055016	Well Construction / Remediation	Oliver	Oliver	Oliver	Plug & Abandon Metz 2 Well	2019	2019											Y	Well was completed in less time than anticipated in estimate - no complications - resulting in lower service and rig costs. Minimal training charges in TDSIC-13 period.
4864	18200601055017	Well Construction / Remediation	Oliver	Oliver	Oliver	Plug & Abandon Willis 2 Well	2019	2019											Y	Well was completed in less time than anticipated in estimate - no complications - resulting in lower service and rig costs. Minimal training charges in TDSIC-13 period.

## Vectren South Compliance Projects O&M Summary - 7 Year plan Update

### Prior plan - Fall 2019

Funding Category	2014 Actuals	2015 Actuals	2016 Actuals	2017 Actuals	2018 Actuals	2019 Plan	2020 Plan	7-year Total
Transmission IM	\$1,823,939	\$2,436,010	\$2,688,580	\$2,261,000	\$ 3,388,678	\$4,148,366	\$4,771,490	\$21,518,063
Distribution IM	\$319,338	\$153,691	\$723,147	\$569,326	\$ 1,277,398	\$1,419,000	\$1,457,537	\$5,919,436
Facility Damages	\$61,654	\$419,557	\$529,009	\$549,770	\$ 603,710	\$707,804	\$332,434	\$3,203,938
Operator Qualification/Training	\$0	\$135,604	\$199,121	\$220,370	\$ 259,595	\$282,125	\$255,652	\$1,352,467
Safety Management System	\$0	\$13,413	\$61,755	\$146,437	\$ 120,782	\$184,023	\$175,316	\$701,726
Storage Field Safety				\$1,102,557	\$ 2,378,460	\$3,465,765	\$2,488,217	\$9,434,999
<b>Total</b>	<b>\$2,204,930</b>	<b>\$3,158,274</b>	<b>\$4,201,612</b>	<b>\$4,849,460</b>	<b>\$8,028,623</b>	<b>\$10,207,083</b>	<b>\$9,480,646</b>	<b>\$42,130,629</b>

### Plan update - Fall 2020

Funding Category	2014 Actuals	2015 Actuals	2016 Actuals	2017 Actuals	2018 Actuals	2019 Actuals	2020 Plan	7-year Total
Transmission IM	\$1,823,939	\$2,436,010	\$2,688,580	\$2,261,000	\$3,388,678	\$2,629,855	\$3,080,000	\$18,308,062
Distribution IM	\$319,338	\$153,691	\$723,147	\$569,326	\$1,277,398	\$1,194,702	\$560,000	\$4,797,602
Facility Damages	\$61,654	\$419,557	\$529,009	\$549,770	\$603,710	\$719,135	\$325,000	\$3,207,834
Operator Qualification/Training	\$0	\$135,604	\$199,121	\$220,370	\$259,595	\$254,039	\$255,000	\$1,323,729
Safety Management System	\$0	\$13,413	\$61,755	\$146,437	\$120,782	\$68,831	\$86,091	\$497,309
Storage Field Safety				\$1,102,557	\$2,378,460	\$3,091,639	\$3,202,000	\$9,774,656
<b>Total</b>	<b>\$2,204,930</b>	<b>\$3,158,274</b>	<b>\$4,201,612</b>	<b>\$4,849,460</b>	<b>\$8,028,623</b>	<b>\$7,958,201</b>	<b>\$7,508,091</b>	<b>\$37,909,192</b>

Variance - CSIA-12 to CSIA-13 Filings								
Transmission IM						\$2,248,882	\$1,972,554	\$4,221,437
Distribution IM						\$1,518,511	\$1,691,490	\$3,210,001
Facility Damages						\$224,298	\$897,537	\$1,121,835
Operator Qualification/Training						(\$11,331)	\$7,434	(\$3,897)
Safety Management System						\$28,086	\$652	\$28,738
Storage Field Safety						\$115,192	\$89,225	\$204,417
						\$374,126	(\$713,783)	(\$339,657)

CSIA-13 Plan over CSIA-9 Plan Variance			
	CSIA-9	CSIA-13	% Variance
Transmission IM	\$20,442,740	\$18,308,062	10%
Distribution IM	\$5,178,970	\$4,797,602	7%
Facility Damages	\$3,174,977	\$3,207,834	-1%
Operator Qualification/Training	\$1,367,176	\$1,323,729	3%
Safety Management System	\$974,788	\$497,309	49%
Storage Field Safety	\$7,662,557	\$9,774,656	-28%
<b>Plan Total</b>	<b>\$ 38,801,208</b>	<b>\$37,909,192</b>	<b>2%</b>

( - unfavorable to plan)