

STATE OF INDIANA

INDIANA UTILITY REGULATORY COMMISSION

VERIFIED PETITION OF DUKE ENERGY)
INDIANA, INC. FOR; (1) APPROVAL OF)
PETITIONER'S 6-YEAR PLAN FOR)
ELIGIBLE TRANSMISSION,)
DISTRIBUTION AND STORAGE SYSTEM)
IMPROVEMENTS, PURSUANT TO) CAUSE NO. 45647
IND. CODE § 8-1-39-10; (2) APPROVAL OF A)
TRANSMISSION AND DISTRIBUTION)
INFRASTRUCTURE IMPROVEMENT COST)
RATE ADJUSTMENT AND DEFERRALS,)
PURSUANT TO IND. CODE §§ 8-1-2-10, 8-1-2-)
12, 8-1-2-14, AND 8-1-39-1 ET SEQ; AND (3))
APPROVAL OF A TARGETED ECONOMIC)
DEVELOPMENT PROJECT AND)
RECOVERY OF COSTS ASSOCIATED WITH)
THE PROJECT, PURSUANT TO IND. CODE)
§§ 8-1-39-10 AND 8-1-39-11)

**VERIFIED DIRECT TESTIMONY
OF
MARTIN D. DICKEY**

**On Behalf of Petitioner,
DUKE ENERGY INDIANA, LLC**

Petitioner's Exhibit 3

November 23, 2021

**DIRECT TESTIMONY OF MARTIN D. DICKEY
VICE PRESIDENT, TRANSMISSION CONSTRUCTION AND MAINTENANCE
DUKE ENERGY BUSINESS SERVICES LLC
ON BEHALF OF DUKE ENERGY INDIANA, LLC
BEFORE THE INDIANA UTILITY REGULATORY COMMISSION**

I. INTRODUCTION

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is Martin D. Dickey, and my business address is 1000 East Main Street,
3 Plainfield, Indiana 46168.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am employed as Vice President, Transmission Construction and Maintenance by Duke
6 Energy Business Services LLC, a service company subsidiary of Duke Energy
7 Corporation, and a non-utility affiliate of Duke Energy Indiana, LLC
8 (“Duke Energy Indiana” or “Company”).

9 **Q. WHAT ARE YOUR DUTIES AND RESPONSIBILITIES AS VICE PRESIDENT,
10 TRANSMISSION CONSTRUCTION AND MAINTENANCE?**

11 A. As Vice President, Transmission Construction and Maintenance, I am responsible for
12 leading a team of Construction and Maintenance Managers, Supervisors, and technical
13 craft employees to achieve company objectives. I facilitate and direct activities that
14 support customers and communities to provide a safe and efficient high voltage electric
15 system and support a productive and motivated team of employees. There are
16 approximately 400 employees assigned to the Midwest Transmission Construction and
17 Maintenance team and an additional 200 contract support personnel. The Midwest
18 Transmission Construction and Maintenance organization maintains over 900 substations

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1 and approximately 8,000 miles of transmission lines in the states of Kentucky, Ohio, and
2 Indiana. The team is also responsible for the construction of future substation and
3 transmission line assets and upgrades. I am responsible for meeting financial and
4 operational performance objectives for the Midwest Transmission organization and have
5 significant day-to-day decision-making authority for transmission operations. I am also
6 responsible for compliance with all applicable state, federal and company requirements
7 related to the Midwest transmission system. This includes, but is not limited to, Federal
8 Energy Regulatory (“FERC”) and North American Electric Reliability Corporation
9 (“NERC”) applicable standards.

10 **Q. PLEASE BRIEFLY DESCRIBE YOUR EDUCATIONAL AND PROFESSIONAL**
11 **BACKGROUND.**

12 A. I have been employed with Duke Energy and its predecessor companies for 34 years. I have
13 held progressive levels of responsibility and experience beginning in the craft series and
14 progressing through Technical Services, Substation Construction and Maintenance
15 supervision, Transmission Line Maintenance and Construction supervision and
16 management, Substation Services supervision and management, Transmission Construction
17 and Maintenance Area Manager responsibilities, Transmission Construction and
18 Maintenance General Manager for the Midwest covering Indiana, Ohio, and Kentucky, and
19 my current position as Vice President for Transmission Construction and Maintenance,
20 covering Indiana, Ohio and Kentucky. I have a 2-year degree in Electronics Technology
21 and a Bachelor of Science Degree in Business Administration.

22 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?**

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1 A. My testimony will provide details of the Transmission Line and Transmission and
2 Distribution Substation components of Duke Energy Indiana's Transmission, Distribution
3 and Storage System Improvement Charge ("TDSIC 2.0"). My direct testimony will 1)
4 fully explain the customer benefits of the Transmission Line and Transmission and
5 Distribution Substation projects proposed by Duke Energy Indiana; 2) provide an
6 overview of the detailed cost estimates prepared by Duke Energy Indiana for the
7 Transmission projects; and 3) outline the selection process for each of the projects in the
8 Transmission Plan.

9 **II. OVERVIEW OF DUKE ENERGY INDIANA'S PROPOSED TRANSMISSION**
10 **PROJECTS FOR TDSIC 2.0**

11 **Q. PLEASE PROVIDE AN OVERVIEW OF DUKE ENERGY INDIANA'S**
12 **TRANSMISSION SYSTEM.**

13 A. Duke Energy Indiana reliably serves over 860,000 retail customers through a multi-state
14 electric system that includes approximately 5,300 miles of transmission lines and more
15 than 600 substations. Within Indiana, the Company's transmission system is
16 interconnected with other investor owned utilities, generation and transmission suppliers,
17 municipal electric utilities, and rural electric cooperatives. Duke Energy Indiana's
18 transmission system is jointly owned with Wabash Valley Power Association, Inc.
19 ("WVPA"), and Indiana Municipal Power Agency ("IMPA"). It consists of 723 circuit
20 miles comprised of 345 kV, 653 circuit miles of 230 kV, 1,391 circuit miles of 138 kV,
21 and 2,521 circuit miles of 69 kV. The transmission system, particularly at voltages
22 greater than 100 kV, acts to transfer power from sources to loads, including the

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1 distribution system. The Duke Energy Indiana transmission system is under the
2 functional control of the Midcontinent Independent System Operator, Inc. (“MISO”), and
3 is part of the interconnected transmission system that safely, efficiently, and reliably
4 transports power to customers in the Eastern United States.

5 Overall, the Duke Energy Indiana transmission grid is reliable and well-
6 maintained. While the Company has worked hard to maintain the system and reliably
7 meet the needs of customers, we also understand more must be done to improve the
8 state’s energy infrastructure to meet the energy transformation and opportunities that lie
9 ahead.

10 **Q. PLEASE PROVIDE AN OVERVIEW OF TRANSMISSION’S TDSIC 2.0**
11 **INVESTMENT PLAN.**

12 A. Duke Energy Indiana’s transmission plan addresses defined grid investment with the
13 following planning objectives, which were introduced in the testimony of Mr. Pinegar and
14 Mr. Lewis:

- 15 • Improve reliability for Indiana customers
- 16 • Advance grid hardening and resiliency
- 17 • Enable expansion of renewable and distributed generation
- 18 • Enable economic development growth

19 To further describe the transmission programs referenced in Mr. Jeremy Lewis’
20 testimony, the TDSIC 2.0 transmission programs are divided into two main categories:
21 Line Hardening and Resiliency, and Substation Hardening and Resiliency.

22 Line Hardening and Resiliency sub-programs include: T01 – Wood to Non-Wood
23 Replacements, T02 – Cross Arm Replacement, T03 - Towers – Cathodic Protection, T04

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1 – Tower Replacements, T05 – Install Intermediate Dead-End Structures, T06 – SCADA
2 to Switches, T07 – Looping Short Radials Through Existing Substations, T08 – Overhead
3 Ground Wires, T09 – Line Rebuild.

4 Substation Hardening and Resiliency sub-programs include: T10 – Transmission
5 Relay Upgrade, T11 – Replace T&D Circuit Breakers, T12 – T&D Transformer
6 Replacements, T13 – Condition Based Monitoring – Transformers and Circuit Breakers,
7 T14 – Upgrade T&D Transformers, T15 – Substation Reconfiguration for Improved
8 Reliability, T16 – SCADA communications, and T17 – Ancillary Equipment
9 Replacement.

10 Transmission does not execute at the sub-program level, rather projects are
11 bundled at the Transmission line and substation detail project level. These include the
12 combination of several of the sub-programs above within one project.

13 At a high level, the projects within these categories above are focused on
14 hardening the grid by preventing events from adversely affecting system operations and
15 enhancing the system resiliency through technology designed to isolate faults by
16 automated remote devices that reconfigure the system to reduce and shorten customer
17 outages. I will explain these programs in greater detail in my testimony and Petitioner's
18 Exhibits 3-B (MDD) and 3-C (MDD).

19 **Q. WILL DUKE ENERGY INDIANA BE EXECUTING ANY OTHER LARGE**
20 **TRANSMISSION PROJECTS WITH THE JOINT TRANSMISSION OWNERS**
21 **OUTSIDE OF THE SCOPE OF TDSIC 2.0 DURING THIS SAME TIME**
22 **PERIOD?**

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1 A. Yes. During the 6-year TDSIC 2.0 plan, Duke Energy Indiana plans to execute
2 approximately \$135 million¹ worth of capital improvements on behalf of our joint
3 transmission owners, WVPA and IMPA per our Transmission and Local Facilities
4 (“T&LF”) Ownership, O&M Agreement.

5 **Q. ARE THESE T&LF PROJECTS FUNDED OUTSIDE OF THE COMPANY’S**
6 **TDSIC 2.0 PROPOSAL?**

7 A. Yes. Each party to the T&LF generally owns discrete assets such as an entire substation
8 or a transmission line segment. Once a party is assigned a particular asset, any future
9 capital projects associated with those assets are assigned to the asset owner. The amount
10 of required investment (discrete assets) for each owner is based on their share of load on
11 the transmission system, which is approximately 10% for WVPA and 5% for IMPA.
12 Duke Energy Indiana has both O&M and Capital project execution responsibility for all
13 assets. WVPA and IMPA reimburse Duke Energy Indiana for work performed on the
14 transmission system and it is not part of the Company’s rate base, and therefore not
15 included in the TDSIC 2.0 plan.

16 **Q. ONE OF THE OBJECTIVES MENTIONED ABOVE WAS IMPROVING**
17 **RELIABILITY FOR INDIANA CUSTOMERS. PLEASE EXPLAIN.**

18 A. The Company’s proposed TDSIC 2.0 investments are intended to improve the reliability
19 for our customers and the resiliency of our system, which may take several forms:

¹ Approximately \$90 million assigned to WVPA and \$45 million assigned to IMPA.

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1 avoided customer interruptions (“CI”), avoided customer minutes interrupted (“CMI”),
2 avoidance of momentary outages, and other improvements in power quality.

3 The transmission and distribution systems are integrated and work together as one
4 to serve our customers. Therefore, the benefits received from the distribution
5 investments are complemented by the benefits received from the transmission portion of
6 TDSIC 2.0.

7 The overall result is a hardening and resiliency-based project set with a benefit to
8 cost ratio of 3.5 and overall program value of \$2.8 billion for the \$800 million core
9 transmission project planned investment. The successful implementation of the TDSIC
10 2.0 plan and these projects will result in risk reduction, avoided customer outages,
11 avoided loss of system redundancy and power quality improvements.

12 **Q. PLEASE EXPLAIN THE DIFFERENCE BETWEEN HARDENING AND**
13 **RESILIENCY AND PROVIDE PROGRAM EXAMPLES.**

14 A. TDSIC 2.0 includes investments to advance the hardening and resiliency of the grid. The
15 Company is proposing to harden the grid by investing in assets to lower system risk and
16 prevent outage events from occurring due to external causes such as lightning, severe
17 weather events, vegetation, and asset failure due to equipment end of life. Sub-program
18 examples that improve the hardening of the grid include wood to non-wood structure
19 replacements, wood cross arm replacements, transmission line rebuilds, installation of
20 intermediate dead-end structures to mitigate cascading events, and replacing deteriorated
21 and obsolete equipment prone to catastrophic failures.

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1 Resiliency investments are proposed to minimize customer impact from events
2 and improve the ability to recover rapidly by reducing the number and duration of
3 customers impacted. We increase our resiliency by adding redundant capabilities, and
4 leveraging system intelligence to remotely locate, sectionalize, and assess damage. Sub-
5 program examples that improve resiliency of the grid include looping short radials
6 through existing substations, adding Supervisory Control and Data Acquisition
7 (“SCADA”) functionality to substations, adding SCADA to Switches, and Transmission
8 Relay Upgrades at substations. Relay upgrades will provide information that defines the
9 distance to the fault location, minimizing time necessary to troubleshoot, locate and
10 isolate outage causes. I will explain these programs in greater detail in my testimony and
11 Petitioner’s Exhibits 3-B (MDD) and 3-C (MDD).

12 **Q. PREVIOUSLY YOU MENTIONED THE RESILIENCY IMPROVEMENT**
13 **BENEFITS ON THE SCADA TO SWITCHES SUB-PROGRAM. PLEASE**
14 **EXPLAIN.**

15 A. The SCADA to Switches sub-program will upgrade switch locations with modern
16 switches enabled with SCADA communication and remote-control capabilities. The
17 Transmission line switches in this sub-program are currently manually operated and
18 cannot be remotely monitored or controlled. Switching, a grid operation often used to
19 section off portions of the transmission system in order to perform equipment
20 maintenance or isolate trouble spots to minimize impacts to customers, has historically
21 required a technician to go to the site and manually operate one or more-line switches.
22 The sub-program increases the number of remote-controlled switches to support faster

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1 isolation of trouble spots on the transmission system and more rapid restoration following
2 line faults. The SCADA to Switches sub-program is similar to Customer Delivery’s Self-
3 Optimizing Grid (“SOG”) program, but on the transmission system. We expect it to
4 support the anticipated avoidance of overall customer interruptions and customer minutes
5 interrupted through transmission investments in SCADA to Switches.

6 **Q. PREVIOUSLY YOU MENTIONED ADDITIONAL RELIABILITY BENEFITS**
7 **THE TDSIC 2.0 TRANSMISSION INVESTMENTS ARE EXPECTED TO**
8 **PROVIDE. PLEASE EXPLAIN.**

9 A. The transmission and distribution systems are integrated and work together while serving
10 our customers. All service for our customers originates from the transmission system;
11 therefore, any upgrades to the transmission system will have a positive impact on the
12 overall level of service provided to our customers. Many industrial and wholesale
13 customers receive electric services straight from the transmission system, specifically at
14 69kV, which means that any upgrades to the transmission system will increase continuity
15 of service and improve overall power quality and reliability for our customers. With the
16 majority of our customers being served off of 69kV, this focus on customer value
17 supports the Company’s proposal to invest more in the Transmission Line Hardening and
18 Resiliency program.

19 Additionally, a significant portion of Duke Energy Indiana’s transmission system
20 is at the Bulk Electric System (“BES”) level, which is defined as assets 100kV and
21 above. The majority of Duke Energy Indiana’s BES assets do not directly serve
22 customers but instead serve as critical infrastructure maintaining power flow within and

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1 between Duke Energy Indiana, neighboring utilities, and Independent Power Producers.

2 The hardening and resiliency of the BES does not have a direct impact to CI/CMI
3 avoided due to the inherent redundancy of the BES, however it is a critical component to
4 reliably serving our customers. The BES transmission system is the linkage between the
5 generation facilities to our 69kV system and distribution system that ultimately serves our
6 customers' homes and businesses. Simply put, energy cannot be delivered to customers
7 without the BES.

8 The BES is highly redundant by design, but increased age, deterioration, and
9 obsolescence of the equipment requires increased investment. Typically, failure of a
10 single BES element will not cause a direct outage to our customers but removes a level of
11 redundancy for the entire BES. Sequential failures within the system can cause
12 significant disruption to power flows and cause extensive customer interruptions.

13 A key example of a loss of redundancy occurred most recently in 2016, where
14 thirty-three (33) 345kV aluminum lattice H-frame structures cascaded due to high
15 straight-line winds. Similar cascading events occurred in 1975, 1987, 2006, and 2011,
16 totaling over 220 structures. There are 590 miles of these aluminum H-frame structures
17 all built in the early to mid-1970s. Our strategy to mitigate the effects of cascading is to
18 install intermediate dead-end structures starting at every five miles, and then down to 2.5
19 mile intervals. The intermediate dead-end structures do not completely prevent cascading
20 but limits the cascading to a maximum of 2.5 miles, which is approximately eleven (11)
21 structures that can be replaced within a couple weeks rather than several months for
22 longer cascading events. The sub-program T05 – Install Intermediate Dead-End

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1 Structures is designed to mitigate such instances. This sub-program builds upon the work
2 we performed in TDSIC 1.0 on this system and will mitigate a loss of line event that
3 could cause a derate of a generating facility, including facilities not operated by Duke
4 Energy Indiana.

5 **Q. HOW ARE IMPROVEMENTS ON THE TRANSMISSION SYSTEM**
6 **IMPROVING POWER QUALITY FOR OUR CUSTOMERS?**

7 A. Power quality issues such as momentary interruptions and voltage sags can be a
8 significant issue for our industrial customers. For the average residential customer, a
9 momentary interruption or voltage sag is an inconvenience with minimal monetary
10 impact due to the short duration. The sensitivity of some industrial equipment used
11 during the manufacturing process is adversely impacted when even minor variances in
12 voltage levels occur. For example, a fault on one transmission line can significantly
13 reduce (sag) the voltage on adjacent circuits and in some cases on circuits over 100 miles
14 from the fault. For our industrial customers, this can result in loss of revenue,
15 productivity, and product depending on the processes and materials used during the
16 production process. The Transmission Line and Substation Hardening and Resiliency
17 programs reduce the risk of momentary and sustained outages that would occur if that
18 equipment experiences an in-service failure. Our transmission system investments will
19 yield productivity and financial gains for many large industrial customers.

20 **Q. HOW WERE THE TRANSMISSION PROJECTS SELECTED TO PROVIDE**
21 **THE GREATEST VALUE TO DUKE ENERGY INDIANA CUSTOMERS?**

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1 A. Duke Energy Indiana has an obligation to provide reliable energy service to its
2 customers. The transmission team evaluated \$2.5 billion of candidate projects before
3 ultimately selecting \$800 million in projects that provide the most customer benefit.
4 These projects are critical to maintaining the transmission system that provides the link
5 between our generation facilities, distribution system and our retail and wholesale
6 distribution customers.

7 The \$2.5 billion candidate projects were entered into the Black & Veatch
8 (“B&V”) Investment Plan analysis, and as described in Mr. James Shields’ testimony, the
9 Investment Plan analysis compares the costs of the projects necessary to mitigate those
10 risks to the benefits of completing the projects and compiled a ranking of the original
11 project set. The prioritized transmission TDSIC 2.0 projects, selected from the original
12 project set, have an overall positive total net present value benefit ratio of approximately
13 3.5. This means that for every dollar spent on the total TDSIC 2.0 Transmission Plan,
14 Indiana customers should receive a payback of \$3.50 in primary benefits.

15 **Q. ARE THERE TRANSMISSION PROJECTS IN TDSIC 2.0 THAT SUPPORT**
16 **INTEGRATED VOLT VAR CONTROL (“IVVC”)?**

17 A. Yes, as described by the testimony of Mr. Jeremy Lewis, there are associated projects
18 within our substations that support the IVVC and are executed by the transmission
19 organization. Additionally, certain substation projects included in TDSIC 2.0 will
20 increase the ability of the Distribution System Operators to remotely monitor and control
21 the voltage level the substations supply to the distribution circuits. Control capability
22 will be upgraded for a number of substations with existing voltage regulation equipment,

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1 and voltage regulation equipment will be added to a number of substations which
2 presently do not include it. These substations were identified by the Customer Delivery
3 organization and selected via the Investment Plan Analysis and the substation
4 improvement projects are included in the list of substation projects to be executed by the
5 Transmission organization.

6 When combined with additional functionality being installed on the distribution
7 circuits themselves under the IVVC initiative, the voltage supplied to all customers on
8 the circuit can be controlled to a more consistent level, which in turn can enable reducing
9 the distribution circuit voltage and thereby reducing the customers' energy consumption
10 and cost.

11 **III. TRANSMISSION LINE AND SUBSTATION PROJECT COST**
12 **ESTIMATES**

13 **Q. HAS DUKE ENERGY INDIANA PROVIDED COST ESTIMATES FOR EACH**
14 **TRANSMISSION LINE AND SUBSTATION PROJECT IN TDSIC 2.0?**

15 A. Yes. Duke Energy Indiana has provided a discrete cost estimate for every project in
16 TDSIC 2.0. The cost estimates for the Transmission Line and Substation components of
17 the plan have been included in Petitioner's Exhibit 2-A (JKL).

18 The individual project workplans and additional, supporting cost estimate
19 information have been provided as Petitioner's Confidential Exhibit 3-A (MDD) (for
20 both Substation and Transmission Line projects). Additionally, we have provided the
21 workplan for the T&D Substation and Transmission Line projects in excel sortable list

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1 format as Confidential Workpapers 1-MDD and 2-MDD (one for Substations and one for
2 Transmission Lines).

3 Transmission Line and Substation Hardening and Resiliency work consists of
4 sub-programs rolled up under a line or substation location. My transmission exhibits and
5 cost summaries are at the project level and can include multiple sub-programs under one
6 project. The work is combined by location due to the integrated nature of the work. It is
7 not prudent to create projects by sub-program as the work for planning, engineering,
8 construction, outage management and project management are at the detailed project
9 level. The project costs cannot be broken out at a sub-program level due to the estimating
10 and actuals process and overall efficiencies gained of project bundling.

11 **Q. HOW DID DUKE ENERGY INDIANA DEVELOP THESE COST ESTIMATES?**

12 A. A detailed project scope was developed for each transmission plan project within TDSIC
13 2.0, and site reviews were performed to review constructability and further refine scope.

14 From this detailed, asset-specific project scope, an Association for the
15 Advancement of Cost Engineering International (“AACE”) Class 4 estimate of the
16 project cost can be calculated. Class 4 estimates for Transmission and Distribution
17 Substation related projects are “parametric” estimates calculated based on the estimated
18 cost for a “typical” unit of work, and the number of such “units” to be included in the
19 project.

20 The Class 4 substation estimates have been enhanced for the TDSIC 2.0
21 program. Duke Energy and Consulting Engineer Subject Matter Experts conducted
22 virtual site visits for each substation in our 2025 – 2028 planned program years. These

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1 virtual site visits took place during the early period of COVID-19 pandemic response,
2 when social distancing was being maximized. To accomplish the task, detailed 360-
3 degree photographs of the substation were taken and grouped together to create a
4 complete visual representation of the substation, including view of component internals
5 where applicable. This allowed for a physical, detailed review of the assets planned for
6 programmatic replacement, review of other substation assets for condition assessment, a
7 review of reliability and operations issues with maintenance staff, as well as a detailed
8 constructability review of the overall planned project. From this collaborative review by
9 Duke Energy Indiana and Burns & McDonnell the project scope was defined. This
10 detailed project development process is expected to deliver results in well-defined work
11 scopes for the latter years of the TDSIC 2.0 program.

12 The work scopes for Transmission Line projects have much less variability,
13 therefore virtual visits were not required for those Class 4 estimates. Project scopes can
14 be defined by drawing reviews and component databases.

15 With the Class 4 project scopes well defined, Substation and Transmission Line
16 Class 4 estimates were created by developing averages of recently bid capital projects.
17 These averages and unit costs were then applied to TDSIC 2.0 project work scopes.

18 As these projects approach their targeted in-service year, the initial Class 4 scope
19 will be released to the Project Management organization, which will then involve
20 Transmission Engineering and others to visit the site, validate or add details to the project
21 scope as needed. This work scope will be released to Engineering and the final detailed
22 engineering will be completed. When engineering is complete, a final Bill of Material is

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1 available. The Duke Energy Transmission Engineering Scope Development &
2 Estimating (“SD&E”) team will then prepare a detailed AACE Class 3 estimate utilizing
3 the final engineered project, its final Bill of Material, actuals from project development
4 and engineering activities, create a project detailed schedule and estimate the
5 construction labor using their estimating tools, based on recent project historical costs.
6 The combination of these activities will result in a Class 3 estimate. This is typically
7 available two years prior to construction.

8 In the case of TDSIC 2.0 transmission, there are no Class 3 estimates utilized.
9 Rather, to provide the best estimate, Class 2 estimates have been prepared for projects up
10 to three years prior to construction. The remainder of project estimates are at a Class 4
11 level.

12 Class 2 estimates have been prepared for the first two years of the transmission
13 program, 2023 and 2024. Attributes of these projects include:

- 14 • Project scopes initially based on identification from Duke Energy programmatic asset
15 replacement definition and/or historical outage performance.
- 16 • These initial project scopes were elaborated based on site visits, virtual substation
17 360-degree photographic reviews, and google earth physical reviews.
- 18 • Project scopes were reviewed and elaborated using a combination of Duke Energy
19 Engineers, Operators and Maintenance personnel as well as a third-party Engineering
20 firm.
- 21 • After the scopes were finalized, these projects were released to complete final
22 detailed engineering. All projects are completed at the bid level for engineering, at a

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1 minimum. More specifically, all T-Line rebuilds, all wood to steel pole replacement
2 projects (“GLT”) and approximately half of the Substation projects in the first two
3 years are engineering complete. T-Line rebuild projects have draft Storm Water
4 Pollution Plans (“SWPPP”) complete that were used to define construction, matting
5 and environmental plans.

- 6 • All projects within TDSIC 2.0 have been placed into an outage schedule that spans
7 from 2021 through 2028. This outage schedule includes all TDSIC 2.0 projects, as
8 well as projects outside the TDSIC program to assure that conflicts are managed.
9 Transmission projects outside TDSIC 2.0 that were considered include: transmission
10 capacity addition projects, distribution capacity addition projects, NERC compliance
11 testing, and known projects from other utilities that could have an effect on our
12 outage planning. This plan gives Duke Energy Indiana the opportunity to attempt to
13 avoid project timing that is mutually exclusive from a Transmission/Distribution
14 outage perspective. Of course, this schedule is very dynamic due to system
15 emergencies, projects from other utilities, weather, storms, new non-TDSIC projects
16 and many other execution related risks. But, making our best attempt at a schedule
17 with the information known today and elaborating it throughout the life cycle of the
18 program give the best opportunity for success.
- 19 • Detailed project schedules and work plans have been created for projects within the
20 first two years of TDSIC 2.0, 2023 and 2024. Since the projects are engineered at a
21 minimum at the bid level, and in many cases with engineering complete, the labor

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1 contractors that were utilized to create the labor portion of the project estimate could
2 create detailed project plans to enhance estimate and schedule quality.

- 3 • Material estimates were created from the bid level to completely engineered projects.
4 Detailed engineering created a Bill of Material for the Class 2 estimated projects.
5 These material lists used current values for material based on 2021 itemized values
6 within the Duke Energy Supply Chain system. These costs were then escalated
7 forward at 3% per year until the year of execution.
- 8 • Labor costs were derived by utilizing current Duke Energy Indiana transmission
9 alliance contractors. These contractors utilized their current 2021 rate structure for
10 contractor supplied materials, rates for equipment and hourly labor as the source for
11 creating the TDSIC Class 2 labor estimates. These rates were then applied to the
12 resource plans that they created to construct the 2023 and 2024 project set. These
13 labor estimates were then escalated at 3% per year until the construction year.
- 14 • Allowance for funds used during construction (“AFUDC”), and indirect project costs
15 were derived after the material and contractor labor portions of the projects were
16 defined. This was done using standard Duke Energy transmission financial tools and
17 protocols. These values were also escalated forward from 2021 dollars at a rate of
18 3% per year until the execution year.

19 All projects included in years 1 and 2 of TDSIC 2.0 currently have a Class 2
20 estimate prepared.

21 **Q. DID DUKE ENERGY INDIANA INCLUDE ANY OPERATIONS AND**
22 **MAINTENANCE (“O&M”) EXPENSE WITH ITS COST ESTIMATES?**

MARTIN D. DICKEY

PETITIONER’S EXHIBIT 3

**DUKE ENERGY INDIANA TDSIC 2.0
DIRECT TESTIMONY OF MARTIN D. DICKEY
FILED NOVEMBER 23, 2021**

1 A. Yes. Specific, project-related O&M has been estimated and requested in this proceeding.
2 This refers to the O&M that is incurred during the construction of the capital projects and
3 is required to construct the capital projects. Duke Energy Indiana has provided the
4 estimates for these amounts in its cost estimates. For the Substation and Transmission
5 Line Projects, the O&M estimates can be found in Petitioner’s Confidential Exhibit 3-A
6 (MDD).

7 **Q. HAS DUKE ENERGY INDIANA PROVIDED THE WORK ORDERS FOR EACH**
8 **TRANSMISSION PROJECT?**

9 A. Because of their voluminous nature, work orders have not been provided in this filing.
10 Project estimates at the detail project level are summarized in the Substation and
11 Transmission Line sortable project summaries, Confidential Workpapers 1-MDD and 2-
12 MDD.

13 **Q. WHAT IS THE RANGE OF ACCURACY FOR THE COST ESTIMATES?**

14 A. The table below details the AACE ranges for various classes of estimates included in
15 TDSIC 2.0.

Class of Estimate	Class 5	Class 4	Class 3	Class 2	Class 1
% Design Complete (Level of Scope Definition)	0% to 2%	1% to 15%	10% to 40%	30% to 70%	50% to 100%
Typical Cost Estimate Methodology	Capacity Factored, Parametric Models, Judgement, or Analogy	Equipment Factored or Parametric Models	Semi-Detailed Unit Costs with Assembly Level Line Items	Detailed Unit Cost with Contract Expected Cost	Detailed Unit Cost with Detailed Invoice Forecast
Expected Range Boundaries (Variation in Estimate to Complete - \$)	H: +30% to +100% L: -20% to -50%	H: +20% to +50% L: -15% to -30%	H: +10% to +30% L: -10% to -20%	H: +5% to +20% L: -5% to -15%	H: +3% to +15% L: -3% to -10%

16
17 **Q. HOW CAN THE COMMISSION BE ASSURED THAT DUKE ENERGY**
18 **INDIANA’S ESTIMATES ARE “BEST ESTIMATES”?**

MARTIN D. DICKEY

PETITIONER'S EXHIBIT 3

**DUKE ENERGY INDIANA TDSIC 2.0
DIRECT TESTIMONY OF MARTIN D. DICKEY
FILED NOVEMBER 23, 2021**

1 A. The Duke Energy engineering team has decades of experience developing cost estimates
2 and constructing the assets that are included in the Substation and Transmission Line
3 plans. Further, the Company engaged B&V to review our cost estimates and cost
4 estimate methodology. Witness Mr. Jim Shields with B&V will explain that they found
5 Duke Energy Indiana's process reasonable, and its cost estimates and AACE estimate
6 levels accurate.

7 **Q. HOW MUCH EXPERIENCE DOES THE DUKE ENERGY TEAM HAVE IN**
8 **ESTIMATING THESE PROJECTS?**

9 A. The Midwest Transmission Engineering team includes over 80 engineers and
10 technologists, including registered professionals, who combine to provide decades of
11 transmission facilities design experience. The estimating team is made up of senior level
12 professionals with significant experience and competency in all aspects of transmission
13 design who can also draw on the design engineers' experience to provide a fully scoped
14 and accurately estimated project estimate. In addition to the engineering experience, the
15 estimators also utilize actual current contractor pricing and material pricing to help ensure
16 project estimates reflect real world cost data. Additionally, for Substation projects the
17 Engineering firm of Burns & McDonnell was utilized to assist in the scope development
18 and estimating process for all six years of the program.

19 **Q. IS CONTINGENCY INCLUDED IN THE COMPANY'S TRANSMISSION LINE**
20 **AND SUBSTATION COST ESTIMATES?**

21 A. Yes. We have used the same methodology for the Transmission Line and

MARTIN D. DICKEY

1 Substation projects. Contingency is included in the total project estimates as
2 recommended per AACE guidelines. Contingency is added to the base cost estimates of
3 the project categories to cover estimate uncertainty and risk. Mr. Jeremy Lewis discusses
4 contingency in his testimony, in detail.

5 **Q. DOES AACE RECOMMEND INCLUDING CONTINGENCY WITHIN AN**
6 **ESTIMATE WHEN CALCULATING THE OVERALL CLASS ESTIMATE**
7 **RANGE?**

8 A. Yes. This is addressed in the AACE International Recommended Practice No. 18R-97,
9 specifically on page 5 of 10. In the bullet for Expected Accuracy Range, it states that
10 cost estimates expected accuracy range is calculated “after the application of contingency
11 (determined at a 50% level of confidence). Typically, this represents about 80%
12 confidence that the actual cost will fall within the bounds of the low and high ranges.
13 The estimate confidence interval or accuracy range is driven by the reliability of the
14 scope information available at the time of the estimate in addition to the other variables
15 and risk identified above.”

16 **IV. CONCLUSION**

17 **Q. WERE PETITIONER'S CONFIDENTIAL EXHIBIT 3-A AND EXHIBITS 3-B**
18 **AND 3-C PREPARED BY YOU OR AT YOUR DIRECTION?**

19 A. Yes, they were.

20 **Q. DOES THIS CONCLUDE YOUR PREFILED TESTIMONY?**

21 A. Yes, it does.

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Substation Capital Improvements
6 Year Detailed Substation Improvements Summary By Year
DEI Distribution System Substation Improvements

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
1	DEI Distribution System Substation Improvements										
2		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld P13 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg						\$ -			
10		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230KV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV						\$ -			
30		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32		DURGEE RD, STATION 299.27 - Project # M210121 - Durgree Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade						\$ -			
38		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover						\$ -			
41		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
52		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
55		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
64		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
66		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
69		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
71		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
72		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
76		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
77		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
79		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rbld-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
106		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
107		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
108		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
109		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
112		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
118	Total DEI Distribution System Substation Improvements		\$ 4,985,306	\$ 6,790,365	\$ 2,101,254	\$ 616,182	\$ 14,493,107	\$ 41,837	\$ 14,534,945	\$ 2,359,223	\$ 16,894,168

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
DEI Transmission System Substation Improvements											
119	DEI Transmission System Substation Improvements										
120		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
121		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230						\$ -		\$ -	
123		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
124		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
125		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
126		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
127		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg						\$ -			
128		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
129		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
133		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
135		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU						\$ -			
136		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
142		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230KV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
146		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
147		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
149		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
150		DURGEE RD, STATION 299.27 - Project # M210121 - Durgree Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade						\$ -			
156		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
162		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
163		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
165		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
166		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2						\$ -			
168		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
170		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
181		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster 12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
183		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
194		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
195		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
197		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
199		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rbld-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
210		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
219		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
222		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
224		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236	Total DEI Transmission System Substation Improvements		\$ 8,330,976	\$ 13,440,251	\$ 4,013,037	\$ 1,217,027	\$ 26,046,227	\$ -	\$ 26,046,227	\$ 2,866,589	\$ 28,912,816

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
237	Total DEI T & D System Substation Improvements		\$13,316,282	\$20,230,616	\$6,114,291	\$1,833,209	\$40,539,334	\$41,837	\$40,581,171	\$5,225,813	\$45,806,984

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Substation Capital Improvements											
6 Year Detailed Substation Improvements Summary By Year											
DEI Distribution System Substation Improvements											
Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
1	DEI Distribution System Substation Improvements										
2		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade									
4		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC									
14		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230kV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32		DURGEE RD, STATION 299.27 - Project # M210121 - DurgEE Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC									
35		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub									
48		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
52		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
55		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster 12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
64		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
66		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
69		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
71		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
72		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
76		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
77		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
79		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
106		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
107		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
108		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
109		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
112		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
118	Total DEI Distribution System Substation Improvements		\$ 6,342,343	\$ 8,096,259	\$ 2,800,538	\$ 813,300	\$ 18,052,441	\$ -	\$ 18,052,441	\$ 981,149	\$ 19,033,589

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
DEI Transmission System Substation Improvements											
119	DEI Transmission System Substation Improvements										
120		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc									
121		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
123		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
124		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
125		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
126		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
127		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
128		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
129		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
133		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
135		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
136		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation									
142		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230KV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
146		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
147		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
149		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
150		DURGEE RD, STATION 299.27 - Project # M210121 - Durgee Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
156		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
162		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
163		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
165		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub									
166		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
168		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
170		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
181		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster 12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
183		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
194		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
195		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
197		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
199		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
210		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
219		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
222		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
224		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236	Total DEI Transmission System Substation Improvements		\$ 17,216,557	\$ 21,963,154	\$ 6,958,181	\$ 1,678,746	\$ 47,816,638	\$ -	\$ 47,816,638	\$ 2,617,636	\$ 50,434,273

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
237	Total DEI T & D System Substation Improvements		\$23,558,900	\$30,059,413	\$9,758,719	\$2,492,046	\$65,869,078	\$0	\$65,869,078	\$3,598,784	\$69,467,863

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Substation Capital Improvements											
6 Year Detailed Substation Improvements Summary By Year											
DEI Distribution System Substation Improvements											
Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
1	DEI Distribution System Substation Improvements										
2		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5						\$ -			
8		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade						\$ -			
9		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg						\$ -			
11		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1						\$ -			
13		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade						\$ -			
20		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA						\$ -			
26		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru						\$ -			
27		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230kV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc						\$ -			
29		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU						\$ -			
32		DURGEE RD, STATION 299.27 - Project # M210121 - DurgEE Rd Relay Replacement						\$ -			
33		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2						\$ -			
39		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC						\$ -			
45		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC						\$ -			
46		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
52		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
55		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster 12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
64		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
66		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
69		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
71		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
72		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
76		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
77		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
79		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
106		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
107		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
108		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
109		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
112		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
118	Total DEI Distribution System Substation Improvements		\$ 20,670,588	\$ 33,115,809	\$ 10,887,924	\$ 3,083,979	\$ 67,758,300	\$ -	\$ 67,758,300	\$ 3,200,811	\$ 70,959,112

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
DEI Transmission System Substation Improvements											
119	DEI Transmission System Substation Improvements										
120		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
121		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
123		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
124		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
125		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5						\$ -			
126		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade						\$ -			
127		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
128		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
129		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
133		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
135		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
136		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
142		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230KV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
146		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc						\$ -			
147		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
149		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU						\$ -			
150		DURGEE RD, STATION 299.27 - Project # M210121 - Durgee Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl						\$ -			
152		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
156		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation						\$ -			
158		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
162		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC						\$ -			
163		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
165		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
166		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
168		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
170		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
181		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster 12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
183		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
194		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
195		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
197		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
199		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
210		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
219		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
222		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
224		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236	Total DEI Transmission System Substation Improvements		\$ 5,736,954	\$ 9,878,242	\$ 3,112,939	\$ 674,160	\$ 19,402,294	\$ -	\$ 19,402,294	\$ 1,125,311	\$ 20,527,606

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
237	Total DEI T & D System Substation Improvements		\$26,407,542	\$42,994,052	\$14,000,863	\$3,758,139	\$87,160,595	\$0	\$87,160,595	\$4,326,122	\$91,486,717

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Substation Capital Improvements											
6 Year Detailed Substation Improvements Summary By Year											
DEI Distribution System Substation Improvements											
Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
1	DEI Distribution System Substation Improvements										
2		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230kV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32		DURGEE RD, STATION 299.27 - Project # M210121 - DurgEE Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
52		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
55		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster 12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
64		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
66		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
69		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
71		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
72		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
76		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
77		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
79		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
106		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl						\$ -			
107		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
108		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
109		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
112		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC						\$ -			
118	Total DEI Distribution System Substation Improvements		\$ 13,952,670	\$ 19,131,397	\$ 6,245,354	\$ 1,201,980	\$ 40,531,401	\$ -	\$ 40,531,401	\$ 1,825,252	\$ 42,356,653

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
DEI Transmission System Substation Improvements											
119	DEI Transmission System Substation Improvements										
120		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
121		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
123		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl						\$ -			
124		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation						\$ -			
125		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
126		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
127		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
128		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
129		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
133		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg						\$ -			
135		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
136		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
142		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230KV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
146		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
147		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade						\$ -			
149		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
150		DURGEE RD, STATION 299.27 - Project # M210121 - DurgEE Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
156		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
162		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
163		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation						\$ -			
165		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
166		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
168		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
170		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
181		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster 12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
183		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
194		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
195		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
197		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
199		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
210		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
219		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
222		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
224		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation						\$ -			
229		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236	Total DEI Transmission System Substation Improvements		\$ 13,960,263	\$ 17,010,487	\$ 5,943,877	\$ 1,328,205	\$ 38,242,832	\$ -	\$ 38,242,832	\$ 1,603,854	\$ 39,846,686

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
237	Total DEI T & D System Substation Improvements		\$27,912,933	\$36,141,884	\$12,189,230	\$2,530,185	\$78,774,233	\$0	\$78,774,233	\$3,429,106	\$82,203,339

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Substation Capital Improvements											
6 Year Detailed Substation Improvements Summary By Year											
DEI Distribution System Substation Improvements											
Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
1	DEI Distribution System Substation Improvements										
2		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1									
12		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade									
15		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC									
16		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl									
25		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230kV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32		DURGEE RD, STATION 299.27 - Project # M210121 - DurgEE Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade									
37		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
52		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
55		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster 12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
64		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
66		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
69		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
71		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
72		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
76		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
77		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
79		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
106		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
107		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap						\$ -		\$ -	
108		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR						\$ -		\$ -	
109		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
112		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC						\$ -			
116		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
118	Total DEI Distribution System Substation Improvements		\$ 6,462,560	\$ 10,166,928	\$ 3,323,352	\$ 958,272	\$ 20,911,112	\$ -	\$ 20,911,112	\$ 870,902	\$ 21,782,014

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
DEI Transmission System Substation Improvements											
119	DEI Transmission System Substation Improvements										
120		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
121		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
123		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
124		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
125		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
126		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
127		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
128		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
129		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
133		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
135		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
136		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
142		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230KV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
146		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
147		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
149		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
150		DURGEE RD, STATION 299.27 - Project # M210121 - Durgee Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
156		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
162		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
163		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
165		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
166		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
168		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
170		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
181		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster 12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
183		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
194		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
195		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
197		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
199		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
210		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
219		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
222		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
224		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV						\$ -		\$ -	
228		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236	Total DEI Transmission System Substation Improvements		\$ 8,580,200	\$ 13,055,961	\$ 3,843,439	\$ 883,902	\$ 26,363,501	\$ -	\$ 26,363,501	\$ 1,622,803	\$ 27,986,304

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
237	Total DEI T & D System Substation Improvements		\$15,042,760	\$23,222,888	\$7,166,791	\$1,842,174	\$47,274,613	\$0	\$47,274,613	\$2,493,705	\$49,768,318

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Substation Capital Improvements											
6 Year Detailed Substation Improvements Summary By Year											
DEI Distribution System Substation Improvements											
Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
1	DEI Distribution System Substation Improvements										
2		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230kV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32		DURGEE RD, STATION 299.27 - Project # M210121 - DurgEE Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
52		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2									
53		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
55		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster 12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
64		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
66		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
69		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
71		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
72		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
76		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
77		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
79		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
106		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
107		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
108		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
109		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
112		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
118	Total DEI Distribution System Substation Improvements		\$ 5,399,879	\$ 7,109,073	\$ 2,252,107	\$ 458,085	\$ 15,219,145	\$ -	\$ 15,219,145	\$ 761,310	\$ 15,980,455

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
DEI Transmission System Substation Improvements											
119	DEI Transmission System Substation Improvements										
120		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
121		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
123		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
124		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
125		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
126		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
127		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
128		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
129		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
133		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
135		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
136		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
142		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230KV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
146		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
147		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
149		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
150		DURGEE RD, STATION 299.27 - Project # M210121 - DurgEE Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
156		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
162		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
163		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
165		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
166		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
168		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
170		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
181		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster 12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
183		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
194		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
195		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
197		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
199		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
210		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
219		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
222		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
224		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236	Total DEI Transmission System Substation Improvements		\$ 13,555,397	\$ 19,169,042	\$ 6,032,246	\$ 1,410,027	\$ 40,166,711	\$ -	\$ 40,166,711	\$ 1,756,266	\$ 41,922,978

Line No.	Project Category	Substation Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
237	Total DEI T & D System Substation Improvements		\$18,955,277	\$26,278,114	\$8,284,353	\$1,868,112	\$55,385,856	\$0	\$55,385,856	\$2,517,577	\$57,903,433

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Substation Capital Improvements											
6 Year Detailed Substation Improvements Summary By Year											
DEI Distribution System Substation Improvements											
Line No.	Project Category	Substation Upgrade Projects	6 Year Total Material	6 Year Total Labor	6 Year Total Indirects	6 Year Total AFUDC	6 Year Total Capital Additions	6 Year Total O&M	6 Year Total Capital Additions and O&M	6 Year Total Retirements	6 Year Total Project
1	DEI Distribution System Substation Improvements										
2		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade						\$ -			
4		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC RblD Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5						\$ -			
8		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade						\$ -			
9		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg						\$ -			
10		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg						\$ -			
11		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1						\$ -			
12		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1						\$ -			
13		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC						\$ -			
14		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade						\$ -			
15		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC						\$ -			
16		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg						\$ -			
17		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC						\$ -			
19		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade						\$ -			
20		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl						\$ -			
25		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA						\$ -			
26		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru						\$ -			
27		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230kV Ring Bus_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc						\$ -			
29		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV						\$ -			
30		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade						\$ -			
31		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU						\$ -			
32		DURGEE RD, STATION 299.27 - Project # M210121 - DurgEE Rd Relay Replacement						\$ -			
33		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC						\$ -			
35		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC						\$ -			
36		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade						\$ -			
37		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade						\$ -			
38		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2						\$ -			
39		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover						\$ -			
41		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC						\$ -			
42		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC						\$ -			
45		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC						\$ -			
46		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub						\$ -			
48		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC						\$ -			

Line No.	Project Category	Substation Upgrade Projects	6 Year Total Material	6 Year Total Labor	6 Year Total Indirects	6 Year Total AFUDC	6 Year Total Capital Additions	6 Year Total O&M	6 Year Total Capital Additions and O&M	6 Year Total Retirements	6 Year Total Project
52		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2						\$ -			
53		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC						\$ -			
55		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc						\$ -			
56		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade						\$ -			
57		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub						\$ -		\$ -	
58		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext						\$ -		\$ -	
59		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster12kV 3PH Volt Reg Rpl						\$ -			
64		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
66		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC						\$ -			
68		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA						\$ -			
69		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC						\$ -			
70		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
71		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade						\$ -			
72		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc						\$ -			
73		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC						\$ -			
75		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU						\$ -			
76		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc						\$ -			
77		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC						\$ -	\$ -		
78		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC						\$ -			
79		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR						\$ -			
80		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC						\$ -			
82		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade						\$ -			
83		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC						\$ -			
84		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg						\$ -			
85		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1						\$ -			
86		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR						\$ -			
88		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC						\$ -			
89		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1						\$ -			
90		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC						\$ -			
91		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc						\$ -			
92		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub						\$ -			
95		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade						\$ -			
96		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl						\$ -			
97		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC						\$ -			
98		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc						\$ -			
99		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc						\$ -			
100		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc						\$ -			
101		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus						\$ -			
102		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC						\$ -			
103		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1						\$ -			
104		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1						\$ -			
105		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC						\$ -			

Line No.	Project Category	Substation Upgrade Projects	6 Year Total Material	6 Year Total Labor	6 Year Total Indirects	6 Year Total AFUDC	6 Year Total Capital Additions	6 Year Total O&M	6 Year Total Capital Additions and O&M	6 Year Total Retirements	6 Year Total Project
106		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl						\$ -			
107		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap						\$ -		\$ -	
108		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR						\$ -		\$ -	
109		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
112		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC						\$ -			
113		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC						\$ -			
116		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC						\$ -			
117		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC						\$ -			
118	Total DEI Distribution System Substation Improvements		\$ 57,813,347	\$ 84,409,831	\$ 27,610,529	\$ 7,131,799	\$ 176,965,506	\$ 41,837	\$ 177,007,344	\$ 9,998,648	\$ 187,005,992

Line No.	Project Category	Substation Upgrade Projects	6 Year Total Material	6 Year Total Labor	6 Year Total Indirects	6 Year Total AFUDC	6 Year Total Capital Additions	6 Year Total O&M	6 Year Total Capital Additions and O&M	6 Year Total Retirements	6 Year Total Project
DEI Transmission System Substation Improvements											
119	DEI Transmission System Substation Improvements										
120		ATTICA 230, STATION 160.00 - Project # M180115 - Attica 230 CB_Rel Rplc						\$ -			
121		ATTICA HARRISON STEEL, STATION 635.00 - Project # M180120 - Attica Harrison Steel Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		ATTICA HARRISON STEEL JCT, STATION tbd - Project # TIN1712 - 6936 TDSIC RblD Pt3 Atc69-230						\$ -		\$ -	
123		BEDFORD BOYD LANE, STATION 274.00 - Project # AMIN1304 - Bedford Boyd 69 CB_Rel Rpl						\$ -			
124		BLOOMINGTON 230, STATION 158.00 - Project # M210155 - CBM-TDSIC Program - Bloomington Substation						\$ -			
125		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5						\$ -			
126		BLOOMINGTON WHITEHALL, STATION 601.00 - Project # M170023 - BLM Whitehall Pike Reliability Upgrade						\$ -			
127		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Rlby Upg						\$ -			
128		BROWNSBURG, STATION 471.00 - Project # M180171 - Brownsburg Reliability Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
129		CAMP ATTERBURY, STATION 497.00 - Project # M200103 - M200103 - PWRUP Camp Atterbury Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		CARMEL 1ST AVE, STATION 794.00 - Project # M200136 - Carmel 1st Ave Add Volt Reg BK1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		CARMEL GUILFORD ROAD, STATION 545.00 - Project # M200116 - Carmel Guilford Rd BK1 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		CARMEL SPRING MILL RD, STATION 547.00 - Project # M180419 - Carmel Spring Mill Rd Reliability Upgrade						\$ -			
133		CARMEL SPRING MILL RD, STATION 547.00 - Project # M200017 - Carmel Spring Mill Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		CENTRAL FOUNDRY, STATION 453.00 - Project # M180428 - Central Foundry Rlby Upg						\$ -			
135		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU						\$ -			
136		CICERO, STATION 489.00 - Project # M200109 - Cicero Add Voltage Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		CLAY CITY, STATION 779.00 - Project # M200115 - Clay City Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		COALMONT, STATION 559.00 - Project # DIN1619.DS2 - Coalmont Sub Upgrade/Rebuild	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		COLUMBUS 345, STATION 268.00 - Project # M210161 - Columbus CB_Rel Rplc - 230kV						\$ -			
140		COLUMBUS 345, STATION 268.00 - Project # M180449 - Columbus 345 Repl Station Serv bank # 6						\$ -			
141		COLUMBUS 345, STATION 268.00 - Project # M210145 - CBM-TDSIC Program - Columbus Substation						\$ -			
142		COLUMBUS CLIFTY CREEK, STATION 375.00 - Project # M210123 - COL Clifty Creek Relay Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210126 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		COLUMBUS COMMERCE PARK, STATION 443.00 - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		COLUMBUS DENOIS CREEK, STATION 291.00 - Project # M210237 - COL Denois Creek 230KV Ring Bus_Relay Rplc						\$ -			
146		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180092 - Connersville Illinois Ave CB_Rel Rplc						\$ -			
147		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave conv 4kV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		CRAWFORDSVILLE, STATION 173.00 - Project # M180417 - Crawfordsville Reliability Upgrade						\$ -			
149		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU						\$ -			
150		DURGEE RD, STATION 299.27 - Project # M210121 - Durgee Rd Relay Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		EDWARDSPORT GEN STA, STATION 218.00 - Project # M210162 - Edwardsport Gen Sta 34kV Relay Rpl						\$ -			
152		EDWARDSVILLE, STATION 915.00 - Project # M200161 - Edwardsville DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		FISHERS 106TH ST, STATION 859.00 - Project # M200169 - Fishers 106th DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		FISHERS NORTH, STATION 579.00 - Project # M180422 - Fishers North Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		FISHERS OLIO RD, STATION 360.00 - Project # M200233 - Fishers Olio Rd Relay Upgrade						\$ -			
156		FISHERS SOUTH, STATION 541.00 - Project # M200137 - Fishers South Add Voltage Regulation BK2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		FIVE POINTS, STATION 165.00 - Project # M210151 - CBM-TDSIC Program - Five Points Substation						\$ -			
158		FOUNTAIN CITY, STATION 303.00 - Project # M170048 - Fountain City Add 2nd station service transformer and a manual throwover	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		FRANKLIN 230 KV, STATION 178.00 - Project # M200165 - Franklin 230 BK4 Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		FRANKLIN 230 KV, STATION 178.00 - Project # M200199 - Franklin 230 69kV CB_Rel Rpl						\$ -			
161		FRANKLIN 230 KV, STATION 178.00 - Project # M200203 - Franklin 230 230kV Ring Bus						\$ -			
162		FRANKLIN FORSYTHE ST, STATION 371.00 - Project # M200113 - Franklin Forsythe Add Volt Reg_DA_IVVC						\$ -			
163		FRENCH LICK SOUTH, STATION 412.00 - Project # M210122 - French Lick South DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		GALLAGHER GEN STA, STATION 151.00 - Project # M210154 - CBM-TDSIC Program - Gallagher Gen Sta Substation						\$ -		\$ -	
165		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Sub						\$ -		\$ -	
166		GREENCASTLE 138 KV, STATION 152.00 - Project # M180418 - Greencastle CB_Rel Rplc						\$ -			
167		GREENSBURG WASHINGTON ST, STATION 319.00 - Project # M210445 - GreensburgWash CB_Rel Rplc TDSIC2						\$ -			
168		GREENTOWN, STATION 210.00 - Project # M180440 - Greentown 230kV CB_Rel Rplc						\$ -			
169		GREENWOOD AVERITT RD, STATION 411.00 - Project # M200129 - Greenwood Averitt Rd Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	6 Year Total Material	6 Year Total Labor	6 Year Total Indirects	6 Year Total AFUDC	6 Year Total Capital Additions	6 Year Total O&M	6 Year Total Capital Additions and O&M	6 Year Total Retirements	6 Year Total Project
170		HAGERSTOWN, STATION 221.00 - Project # M210138 - Hagerstown Rpl 3PH Volt Reg 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		HENRY CO SWITCHING STA, STATION 238.01 - Project # M180420 - Henry Co Switching Sta Rel Rplc						\$ -			
172		HOMEPLACE, STATION 430.00 - Project # M200166 - Homeplace DA_IVVC						\$ -			
173		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc						\$ -			
174		HUNTINGTON NORTH, STATION 308.00 - Project # M180272 - Huntington North Reliability Upgrade						\$ -			
175		HYMERA, STATION 705.00 - Project # DIN1619.DS1 - Hymera 4kV Conv and Rmv Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		JASONVILLE 34.5 KV, STATION 707.00 - Project # DIN1618 - Jasonville 4kV Conv and Ln Ext	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc						\$ -			
178		KOKOMO HIGHLAND PARK, STATION 234.00 - Project # M210143 - CBM-TDSIC Program - Kokomo Highland Park Substation						\$ -			
179		KOKOMO WEBSTER, STATION 272.00 - Project # M200206 - Kokomo Webster 230kV CB_Rel Rplc						\$ -			
180		KOKOMO WEBSTER, STATION 272.00 - Project # M200205 - Kokomo Webster 69kV CB_Rel Rplc						\$ -			
181		KOKOMO WEBSTER, STATION 272.00 - Project # M200204 - Kokomo Webster12kV 3PH Volt Reg Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LAFAYETTE 230 KV, STATION 161.00 - Project # M210150 - CBM-TDSIC Program - Lafayette Substation						\$ -			
183		LAFAYETTE ALCOA, STATION 224.00 - Project # M180269 - Lafayette Alcoa Install RTU						\$ -			
184		LAFAYETTE CATERPILLAR, STATION 154.00 - Project # M180285 - Lafayette Caterpillar CB_Rel Rplc						\$ -			
185		LIBERTY, STATION 468.00 - Project # M180108 - Liberty Reliability Upgrade TDSIC						\$ -			
186		LYNNVILLE NORTH, STATION 604.00 - Project # M210136 - Lynnville North DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		MADISON 2ND ST, STATION 653.00 - Project # M200158 - Madison 2nd St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		MARTINSVILLE SE JCT, STATION 235.00 - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		MARTINSVILLE SOUTHEAST, STATION 409.00 - Project # M210130 - Martinsville Southeast Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rplc						\$ -			
191		MITCHELL LOST RIVER, STATION 298.00 - Project # M210158 - CBM-TDSIC Program - Mitchell Lost River Substation						\$ -		\$ -	
192		MORSE RESERVOIR, STATION 509.00 - Project # M200133 - Morse Reservoir Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		MT TABOR, STATION 528.00 - Project # M180155 - Mt Tabor Install RTU						\$ -			
194		NEW ALBANY 138, STATION 269.00 - Project # M180107 - New Albany CB_Rel Rplc						\$ -			
195		NEW ALBANY 138, STATION 269.00 - Project # M200164 - New Albany 14kV Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		NEW ALBANY CENTRAL, STATION 424.00 - Project # M200123 - New Albany Central DA_IVVC						\$ -		\$ -	
197		NEW WASHINGTON 34.5 KV, STATION 558.00 - Project # M200093 - PWRUP New Washington Rpl 3PH VR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		NOBLESVILLE GEN STA, STATION 223.00 - Project # M210142 - CBM-TDSIC Program - Noblesville Gen Sta						\$ -			
199		NOBLESVILLE MARILYN RD, STATION 280.00 - Project # M200176 - NOB Marilyn Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M180345 - NOB Northeast Reliability Upgrade						\$ -			
201		NOBLESVILLE NORTHEAST, STATION 768.00 - Project # M200117 - NOB Northeast Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Rlby Upg						\$ -			
203		NORTH MANCHESTER, STATION 721.00 - Project # M200095 - PWRUP N Manchester Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		NUCOR STEEL, STATION 254.00 - Project # M180424 - Nucor Steel Rel Rplc						\$ -			
205		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood_WdStruc Rblid-VCR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		PITTSBORO 69, STATION 369.00 - Project # M210115 - Pittsboro DA_IVVC						\$ -			
207		PRINCETON, STATION 156.00 - Project # M200096 - PWRUP Princeton Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		RAMSEY, STATION 649.00 - Project # M180109 - Ramsey Reliability Upgrade TDSIC						\$ -			
209		ROCHESTER 69, STATION 728.00 - Project # M180253 - Rochester 69 CB_Rel Rplc						\$ -			
210		ROCKVILLE 138, STATION 177.00 - Project # M180453 - Rockville 138 Rel_Rpl						\$ -			
211		ROSEBURG SWITCHING STA, STATION 287.00 - Project # M180421 - Roseburg Switching Sta CB_Rel Rplc						\$ -			
212		SAINT PAUL NORTHWEST, STATION 1057.00 - Project # M200398 - St Paul Northwest New Sub						\$ -		\$ -	
213		SHAWSWICK, STATION 764.00 - Project # M210131 - Shawswick Reliability Upgrade						\$ -			
214		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB_Rel Rpl						\$ -			
215		SHELBYVILLE PIKE ST, STATION 701.00 - Project # M180282 - Shelbyville Pike Reliability Upgrade TDSIC						\$ -			
216		SPENCER 230 KV, STATION 250.00 - Project # M210240 - Spencer 230 CB_Rel Rplc						\$ -			
217		TERRE HAUTE AET, STATION 739.00 - Project # M210152 - TH AET Transrupter_Relay Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		TERRE HAUTE EAST, STATION 162.00 - Project # M180441 - Terre Haute East CB_Rel Rplc						\$ -			
219		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St 138kV Ring Bus						\$ -			
220		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Rlby Upg TDSIC						\$ -		\$ -	
221		TREATY, STATION 793.00 - Project # M200097 - PWRUP Treaty Rpl 3PH Volt Reg 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
222		VEEDERSBURG 8TH STREET, STATION 403.00 - Project # M200098 - PWRUP Veedersburg 8th Rpl 3PH VR1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		VEVAY VINEYARD ST, STATION 455.00 - Project # M200152 - Vevay Vineyard St DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Substation Upgrade Projects	6 Year Total Material	6 Year Total Labor	6 Year Total Indirects	6 Year Total AFUDC	6 Year Total Capital Additions	6 Year Total O&M	6 Year Total Capital Additions and O&M	6 Year Total Retirements	6 Year Total Project
224		VINCENNES 138, STATION 257.00 - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		VINCENNES 138, STATION 257.00 - Project # M200313 - Vincennes Vigo St 138kV Tap	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		VINCENNES 138, STATION 257.00 - Project # M200315 - Vincennes 138 kV Sub add 138 KV BKR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		VINCENNES VIGO ST, STATION 745.00 - Project # M200314 - Vinc Vigo St Sub add 22.4 MVA, 138/12kV						\$ -		\$ -	
228		WABASH RIVER GEN STA, STATION 266.00 - Project # M210153 - CBM-TDSIC Program - Wabash River Gen Sta Substation						\$ -			
229		WALTON, STATION 185.00 - Project # M210149 - CBM-TDSIC Program - Walton Substation						\$ -			
230		WESTFIELD DITCH RD, STATION 401.00 - Project # M200121 - Westfield Ditch Rd Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl						\$ -			
232		WESTWOOD, STATION 220.00 - Project # M210147 - CBM-TDSIC Program - Westwood Substation						\$ -			
233		ZIONSVILLE 121ST ST, STATION 310.00 - Project # M200122 - Zionsville 121st Add Volt Reg_DA_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		ZIONSVILLE 69 KV, STATION 553.00 - Project # M200126 - Zionsville 69 DA_IVVC						\$ -			
235		ZIONSVILLE TURKEYFOOT, STATION 576.00 - Project # M200130 - Zionsville Turkeyfoot Add Volt Reg_IVVC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236	Total DEI Transmission System Substation Improvements		\$ 67,380,346	\$ 94,517,136	\$ 29,903,718	\$ 7,192,067	\$ 198,038,203	\$ -	\$ 198,038,203	\$ 11,592,460	\$ 209,630,662

Line No.	Project Category	Substation Upgrade Projects	6 Year Total Material	6 Year Total Labor	6 Year Total Indirects	6 Year Total AFUDC	6 Year Total Capital Additions	6 Year Total O&M	6 Year Total Capital Additions and O&M	6 Year Total Retirements	6 Year Total Project
237	Total DEI T & D System Substation Improvements		\$125,193,693	\$178,926,967	\$57,514,247	\$14,323,866	\$ 375,003,709	\$41,837	\$375,045,546	\$21,591,107	\$396,636,654

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Transmission System Line Capital Improvements
6 Year Detailed Transmission System Line Improvements Summary By Year
DEI Transmission System Line Improvements

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
1	DEI Transmission System Line Improvements										
2		LINE LINE 6901, DRESSER (216) TO SULLIVAN NORTH (723) - Project # M190306 - 6901 Rblid Pt1B - Dresser-Structure 802-1017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		LINE LINE 6903, BLOOMINGTON 230 (158) TO MARTINSVILLE (734) - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl									
4		LINE LINE 6916, NOBLESVILLE GEN STA. (223) TO NOBLESVILLE FIRESTONE (673) - Project # M200077 - Circuit 6916 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		LINE LINE 6920, CONNERSVILLE (155) TO GREENSBURG 138KV (225) - Project # TIN1785 - 6920 Pt 2 Rebuild - Glenwood - Rushville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-A - 6921 Lagro Switching Sta Motor Operated switch Lincolnville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-B - 6921 Dallas Jct Motor Operated Swi Dallas United REMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8		LINE LINE 6922, WALTON 230 (185) TO GRISSOM AEROPLEX #4 (683) - Project # TBD-6922-A - 6922 Grissom AFB Jct Remote control of switch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # combined into M180041 - 6923 Pt 5 Rebuild - Huntington 138KV - Erie Stone Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6923-C - 6923 Pt 3 Rebuild - Huntington Goblesville Jct - United Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # M180035 - 6923 Pt 2 Rblid - Collamer Jct - N. Manchester									
12		LINE LINE 6926, LOGANSPOUT SW STA TO ROCHESTER (728) - Project # TIN1857-DL1 - 6926 Rblid Pt 1 - Metea_Lcm TDSIC (Duke costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13		LINE LINE 6933, GREENCASTLE (152) TO WHITESVILLE SOUTH (191) - Project # M200312 - 6933 TDSIC Rblid Pt1 Gcst N-Mrtn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TIN1711 - 6935 TDSIC Rblid Pt3 Nwrtn-Atc230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # M200075 - Circuit 6935 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-F - 6935 Veedersburg SS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-G - 6935 Mountain Rd Swi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TIN1712 - 6936 TDSIC Rblid Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TBD-6936-E - 6936 Rebuild Tab Jct - Marshfield	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20		LINE LINE 6937, GREENSBURG WASHINGTON ST (319) TO PRESCOT (230) - Project # M200076 - Circuit 6937 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		LINE LINE 6940, CENTERTON (295) TO PLAINFIELD SOUTH (163) - Project # M180436 - 6940 Mooresville Jct. #1 & #2 SW Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-B - Danville Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-C - 6945 Prestwick REMC Motor operated Switch #2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		LINE LINE 6947, SHELBYVILLE NOBLE ST (615) TO NEW PALESTINE (349) - Project # TBD-6947-A - 6947 Fairland Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25		LINE LINE 6952, BEDFORD BOYD LN (274) TO PUMPKIN CENTER (199) - Project # M180003 - 6952 Pt 2 Rebuild - Brownstown SW Sta - Pumpkin Center Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26		LINE LINE 6954, SCOTTSBURG (249) TO SPEED (167) - Project # TIN2116 - 6954 Henryville Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27		LINE LINE 6955, SPEED (167) TO CLARKSVILLE (327) - Project # TBD-6955-A - 6955 HE Bethany - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		LINE LINE 6959, BLOOMFIELD (204) TO EDWARDSPOUT GEN STA (218) - Project # TBD-6959-B - 6959 Newberry - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29		LINE LINE 6960, EDWARDSPOUT GEN STA (218) TO OAKLAND CITY (242) - Project # M180002 - 6960 Pt 3 Rblid - Monroe City Jct - Petersburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30		LINE LINE 6961, EDWARDSPOUT GEN STA (218) TO SULLIVAN (255) - Project # M200980 - Circuit 6961 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31		LINE LINE 6962, MOHAWK 138 (246) TO GREENFIELD (790) - Project # TBD-6962-A - 6962 Heritage Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32		LINE LINE 6966, CARMEL 146TH ST (281) TO HOMEPLACE (430) - Project # TBD-6966-A - 6966 - 116 and Westfield SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-A - 6974 - Akron SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-B - 6974 - North Manchester Foundry SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # M180007 - 6975 Pt 3 Rblid - McKay Rd - Shelbyville South Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # combine into M180007 - 6975 Pt 3 Rblid - Shelbyville South Jct - HE Lewis Creek Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37		LINE LINE 6976, SHELBYVILLE NORTHEAST (203) TO SHELBYVILLE NOBLE ST (615) TO PRESCOTT (230) - Project # M200081 - Circuit 6976 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		LINE LINE 6977, COLUMBUS (268) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-6977-A - 6977 Clifty Creek Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39		LINE LINE 6986, WABASH (270) TO PERU SOUTHEAST (231) - Project # TBD-6986-A - 6986 Alloy Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		LINE LINE 6988, MIDDLEFORK (189) TO BURROWS (193) - Project # TBD-6988-A - 6988 Flora Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		LINE LINE 6989, WHITESTOWN 345 (198) TO CARMEL (425) - Project # M200079 - Circuit 6989 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		LINE LINE 6990, BLOOMINGTON ROGERS ST (205) TO BLOOMINGTON WEST (286) - Project # TBD-6990-A - 6990 Otis Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		LINE LINE 6993, MITCHELL LOST RIVER (298) TO HE CHAMBERSBURG - Project # TBD-6993-A - 6993 Paoli Indian Trails SW Repl_SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		LINE LINE 6998, BEDFORD (166) TO CENTRAL FOUNDRY (453) - Project # M180428 - Central Foundry Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45		LINE LINE 6999, PLAINFIELD SOUTH (163) TO GREENWOOD NORTH (543) - Project # TBD 6999-C - 6999 Lenore Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46		LINE LINE 69100, CENTERVILLE 138 (187) TO HAGERSTOWN (221) - Project # M180434 - 69100 Greensfork_HE Jacksonburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47		LINE LINE 69102, GREENWOOD CLARK TOWNSHIP (279) TO HE KINDER - Project # TBD-69102-B - 69102 Bargersville Harrod Swi Add SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		LINE LINE 69116, CLINTON 230 (251) TO CLINTON ELI LILLY SOUTH (258) - Project # TBD-69116-A - 69116 Lilly North Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		LINE LINE 69117, CLINTON 230 (251) TO CLINTON ELI LILLY NORTH (258) - Project # TBD-69117-A - 69117 Lilly South Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		LINE LINE 69132, NORTH MANCHESTER SW STA (294) TO WABASH 138 (270) - Project # M200070 - Circuit 69132 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # M180094 - 69139 Rebuild Pt 2 - Poseyville Sub - Knox Co REMC Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # TBD-69139-D - 69139 Owensville Swi Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53		LINE LINE 69146, COLUMBUS DENOIS CREEK (291) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-69146-B - 69146 Edinburg Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		LINE LINE 69149, COLUMBUS DENOIS CREEK (291) TO HE WHITE CREEK - Project # TBD-69149-A - 69149 Walesboro - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
55		LINE LINE 69154, CRAWFORDSVILLE (173) TO WHITESVILLE SOUTH (191) - Project # M170131 - 69154 Pt 2 Rebuild - Whitesville Sub - Advance Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56		LINE LINE 69155, HORTONVILLE 345 (222) TO WHITESTOWN 345 (198) - Project # M200074 - Circuit 69155 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57		LINE 69165, FRANKLIN (178) TO GREENWOOD VALLE VISTA (758) - Project # TBD-69165-B - 69165 Rocklane Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-B - 69180 Pt 1 - Rbld - Arcadia 385 - Arcadia North 650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-D - 69180 Arcadia North SW Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60		LINE 69188, LAFAYETTE 230KV (161) TO TIPMON REMC TETC 6 TO DELPHI WELLS (597) - Project # TBD-69188-B - 69188 Tipmont Lafayette JCT SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61		LINE 69203, BEDFORD 345 (166) TO HE WILLIAMS - Project # TBD-69203-A - 69203 Williams SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62		LINE 13831, BATESVILLE 345 (170) TO COLUMBUS 345 (268) - Project # M180438 - 13831 H.E. Westport #1 and #2 Switch Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63		LINE 23008, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # M210314 - 23008 Tipton W-Cammack rd - Insul Repl and Anti-gallop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
64		LINE 23027, ATTICA 230 (160) TO VEEDERSBURG WEST 230KV (183) - Project # AMIN1322 - 23027 Insulator and galloping mit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65		LINE 34507, GIBSON GEN STA (232) TO PETERSBURG (IP&L) (150.13) - Project # M200418 - 34507 Dead Ends Proj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
66		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Ribty Upg TDSIC									
68		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138KV CB-Rel Repl						\$ -		\$ -	
69		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
71		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
72		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU						\$ -			
73		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave Conv 4kV contains D-Line Work						\$ -		\$ -	
75		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
76		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Substation contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
77		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood Wd Sub Struct Rbld VCR Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
79		TERRE HAUTE EAST, STATION - Project # M180441 - Terre Haute East CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80		VINCENNES, STATION - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81		FRANKLIN 230, STATION - Project # M200203 - Franklin 230 230KV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82		Saint Paul Northwest - Project # M200398 - Saint Paul Northwest New Sub contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83		COLUMBIA COMMERCE PARK, STATION - Project # M210129 - COL Commerce Park 69KV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84		COLUMBIA COMMERCE PARK, STATION - Project # M210237 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85		COLBURN, STATION - Project # M210238 - Colburn Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St Ring Bus_Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87		AKRON, STATION - Project # M210398 - Akron Install RTU and 69KV Loop-Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88		ROCKVILLE 138, STATION - Project # M180453 - Rockville 138 Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89		NEW ALBANY CENTRAL, STATION - Project # M200123 - New Albany Central Add Volt Reg IVV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91		Various Lines - Project # GLTTran23/GLTDist23 - GLT Pole Replacement - 2023									
92		Various Lines - Project # GLTTran24/GLTDist24 - GLT Pole Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93		Various Lines - Project # GLT25T - GLT Pole Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94		Various Lines - Project # GLT26T - GLT Pole Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95		Various Lines - Project # GLT27T - GLT Pole Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96		Various Lines - Project # GLT28T - GLT Pole Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97		Various Lines - Project # M210446 - GLT Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98		Various Lines - Project # M210447 - GLT Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99		Various Lines - Project # M210448 - GLT Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100		Various Lines - Project # M210449 - GLT Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101		Various Lines - Project # M210450 - GLT Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102		Various Lines - Project # M210451 - GLT Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103		Various Lines - Project # M210452 - Drone Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104		Various Lines - Project # M210453 - Drone Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105		Various Lines - Project # M210454 - Drone Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
106		Various Lines - Project # M210455 - Drone Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
107		Various Lines - Project # M210456 - Drone Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
108		Various Lines - Project # M210457 - Drone Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
109		Various Lines - Project # XARM23T - Crossarm Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110		Various Lines - Project # XARM24T - Crossarm Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111		Various Lines - Project # XARM25T - Crossarm Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
112		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
118		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
119		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
120		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
121		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
123		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
124		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
125		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
126		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
127	Total DEI Transmission System Line Improvements		\$ 8,213,869	\$ 20,891,917	\$ 5,863,430	\$ 931,233	\$ 35,900,449	\$ 2,862,794	\$ 38,763,243	\$ 3,429,486	\$ 42,192,728

Distribution System Costs Associated with Transmission Line Improvements											
Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
128	DEI Distribution System Costs Associated with Transmission System Line Improvements										
129		LINE LINE 6901, DRESSER (216) TO SULLIVAN NORTH (723) - Project # M190306 - 6901 Rblid Pt1B - Dresser-Structure 802-1017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		LINE LINE 6903, BLOOMINGTON 230 (158) TO MARTINSVILLE (734) - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		LINE LINE 6916, NOBLESVILLE GEN STA. (223) TO NOBLESVILLE FIRESTONE (673) - Project # M200077 - Circuit 6916 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		LINE LINE 6920, CONNERSVILLE (155) TO GREENSBURG 138KV (225) - Project # TIN1785 - 6920 Pt 2 Rebuild - Glenwood - Rushville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
133		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-A - 6921 Lagro Switching Sta Motor Operated switch Lincolnville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-B - 6921 Dallas Jct Motor Operated Swi Dallas United REMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
135		LINE LINE 6922, WALTON 230 (185) TO GRISSOM AEROPLEX #4 (683) - Project # TBD-6922-A - 6922 Grissom AFB Jct Remote control of switch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
136		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # combined into M180041 - 6923 Pt 5 Rebuild - Huntington 138KV - Erie Stone Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6923-C - 6923 Pt 3 Rebuild - Huntington Goblesville Jct - United Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # M180035 - 6923 Pt 2 Rblid - Collamer Jct - N. Manchester	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		LINE LINE 6926, LOGANSPOUT SW STA TO ROCHESTER (728) - Project # TIN1857-DL1 - 6926 Rblid Pt 1 - Metea_Lcm TDSIC (Duke costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		LINE LINE 6933, GREENCASTLE (152) TO WHITESVILLE SOUTH (191) - Project # M200312 - 6933 TDSIC Rblid Pt1 Gcst N-Mrtn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TIN1711 - 6935 TDSIC Rblid Pt3 Nwrtn-Atc230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
142		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # M200075 - Circuit 6935 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-F - 6935 Veedersburg SS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-G - 6935 Mountain Rd Swi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TIN1712 - 6936 TDSIC Rblid Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
146		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TBD-6936-E - 6936 Rebuild Tab Jct - Marshfield	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
147		LINE LINE 6937, GREENSBURG WASHINGTON ST (319) TO PRESCOT (230) - Project # M200076 - Circuit 6937 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		LINE LINE 6940, CENTERTON (295) TO PLAINFIELD SOUTH (163) - Project # M180436 - 6940 Mooresville Jct. #1 & #2 SW Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
149		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-B - Danville Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
150		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-C - 6945 Prestwick REMC Motor operated Switch #2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		LINE LINE 6947, SHELBYVILLE NOBLE ST (615) TO NEW PALESTINE (349) - Project # TBD-6947-A - 6947 Fairland Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152		LINE LINE 6952, BEDFORD BOYD LN (274) TO PUMPKIN CENTER (199) - Project # M180003 - 6952 Pt 2 Rebuild - Brownstown SW Sta - Pumpkin Center Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		LINE LINE 6954, SCOTTSBURG (249) TO SPEED (167) - Project # TIN2116 - 6954 Henryville Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		LINE LINE 6955, SPEED (167) TO CLARKSVILLE (327) - Project # TBD-6955-A - 6955 HE Bethany - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		LINE LINE 6959, BLOOMFIELD (204) TO EDWARDSPOUT GEN STA (218) - Project # TBD-6959-B - 6959 Newberry - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
156		LINE LINE 6960, EDWARDSPOUT GEN STA (218) TO OAKLAND CITY (242) - Project # M180002 - 6960 Pt 3 Rblid - Monroe City Jct - Petersburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		LINE LINE 6961, EDWARDSPOUT GEN STA (218) TO SULLIVAN (255) - Project # M200980 - Circuit 6961 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158		LINE LINE 6962, MOHAWK 138 (246) TO GREENFIELD (790) - Project # TBD-6962-A - 6962 Heritage Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		LINE LINE 6966, CARMEL 146TH ST (281) TO HOMEPPLACE (430) - Project # TBD-6966-A - 6966 - 116 and Westfield SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-A - 6974 - Akron SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-B - 6974 - North Manchester Foundry SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
162		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # M180007 - 6975 Pt 3 Rblid - McKay Rd - Shelbyville South Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
163		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # combine into M180007 - 6975 Pt 3 Rblid - Shelbyville South Jct - HE Lewis Creek Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		LINE LINE 6976, SHELBYVILLE NORTHEAST (203) TO SHELBYVILLE NOBLE ST (615) TO PRESCOTT (230) - Project # M200081 - Circuit 6976 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
165		LINE LINE 6977, COLUMBUS (268) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-6977-A - 6977 Clifty Creek Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
166		LINE LINE 6986, WABASH (270) TO PERU SOUTHEAST (231) - Project # TBD-6986-A - 6986 Alloy Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		LINE LINE 6988, MIDDLEFORK (189) TO BURROWS (193) - Project # TBD-6988-A - 6988 Flora Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
168		LINE LINE 6989, WHITESTOWN 345 (198) TO CARMEL (425) - Project # M200079 - Circuit 6989 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		LINE LINE 6990, BLOOMINGTON ROGERS ST (205) TO BLOOMINGTON WEST (286) - Project # TBD-6990-A - 6990 Otis Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
170		LINE LINE 6993, MITCHELL LOST RIVER (298) TO HE CHAMBERSBURG - Project # TBD-6993-A - 6993 Paoli Indian Trails SW Repl_SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		LINE LINE 6998, BEDFORD (166) TO CENTRAL FOUNDRY (453) - Project # M180428 - Central Foundry Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		LINE LINE 6999, PLAINFIELD SOUTH (163) TO GREENWOOD NORTH (543) - Project # TBD 6999-C - 6999 Lenore Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		LINE LINE 69100, CENTERVILLE 138 (187) TO HAGERSTOWN (221) - Project # M180434 - 69100 Greensfork_HE Jacksonburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		LINE LINE 69102, GREENWOOD CLARK TOWNSHIP (279) TO HE KINDER - Project # TBD-69102-B - 69102 Bargsville Harrod Swi Add SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		LINE LINE 69116, CLINTON 230 (251) TO CLINTON ELI LILLY SOUTH (258) - Project # TBD-69116-A - 69116 Lilly North Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		LINE LINE 69117, CLINTON 230 (251) TO CLINTON ELI LILLY NORTH (258) - Project # TBD-69117-A - 69117 Lilly South Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		LINE LINE 69132, NORTH MANCHESTER SW STA (294) TO WABASH 138 (270) - Project # M200070 - Circuit 69132 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # M180094 - 69139 Rebuild Pt 2 - Poseyville Sub - Knox Co REMC Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # TBD-69139-D - 69139 Owensville Swi Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		LINE LINE 69146, COLUMBUS DENOIS CREEK (291) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-69146-B - 69146 Edinburgh Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
181		LINE LINE 69149, COLUMBUS DENOIS CREEK (291) TO HE WHITE CREEK - Project # TBD-69149-A - 69149 Walesboro - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LINE LINE 69154, CRAWFORDSVILLE (173) TO WHITESVILLE SOUTH (191) - Project # M170131 - 69154 Pt 2 Rebuild - Whitesville Sub - Advance Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
183		LINE LINE 69155, HORTONVILLE 345 (222) TO WHITESTOWN 345 (198) - Project # M200074 - Circuit 69155 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LINE 69165, FRANKLIN (178) TO GREENWOOD VALLE VISTA (758) - Project # TBD-69165-B - 69165 Rocklane Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-B - 69180 Pt 1 - Rblid - Arcadia 385 - Arcadia North 650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-D - 69180 Arcadia North SW Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		LINE 69188, LAFAYETTE 230KV (161) TO TIPMON REMC TETC 6 TO DELPHI WELLS (597) - Project # TBD-69188-B - 69188 Tipmont Lafayette JCT SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		LINE 69203, BEDFORD 345 (166) TO HE WILLIAMS - Project # TBD-69203-A - 69203 Williams SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		LINE 13831, BATESVILLE 345 (170) TO COLUMBUS 345 (268) - Project # M180438 - 13831 H.E. Westport #1 and #2 Switch Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		LINE 23008, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # M210314 - 23008 Tipton W-Cammack rd - Insul Repl and Anti-gallop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		LINE 23027, ATTICA 230 (160) TO VEEDERSBURG WEST 230KV (183) - Project # AMIN1322 - 23027 Insulator and galloping mit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		LINE 34507, GIBSON GEN STA (232) TO PETERSBURG (IP&L) (150.13) - Project # M200418 - 34507 Dead Ends Proj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Ribty Upg				\$ -					
194		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Ribty Upg TDSIC						\$ -			
195		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138KV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
197		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
199		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave Conv 4KV contains D-Line Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Substation contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood Wd Sub Struct Rblid VCR Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		TERRE HAUTE EAST, STATION - Project # M180441 - Terre Haute East CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		VINCENNES, STATION - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		FRANKLIN 230, STATION - Project # M200203 - Franklin 230 230KV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		Saint Paul Northwest - Project # M200398 - Saint Paul Northwest New Sub contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
210		COLUMBIA COMMERCE PARK, STATION - Project # M210129 - COL Commerce Park 69KV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211		COLUMBIA COMMERCE PARK, STATION - Project # M210237 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		COLBURN, STATION - Project # M210238 - Colburn Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St Ring Bus_Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		AKRON, STATION - Project # M210398 - Akron Install RTU and 69KV Loop-Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		ROCKVILLE 138, STATION - Project # M180453 - Rockville 138 Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		NEW ALBANY CENTRAL, STATION - Project # M200123 - New Albany Central Add Volt Reg IVV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		Various Lines - Project # GLTTran23/GLTDist23 - GLT Pole Replacement - 2023									
219		Various Lines - Project # GLTTran24/GLTDist24 - GLT Pole Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		Various Lines - Project # GLT25T - GLT Pole Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		Various Lines - Project # GLT26T - GLT Pole Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
222		Various Lines - Project # GLT27T - GLT Pole Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		Various Lines - Project # GLT28T - GLT Pole Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
224		Various Lines - Project # M210446 - GLT Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		Various Lines - Project # M210447 - GLT Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		Various Lines - Project # M210448 - GLT Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		Various Lines - Project # M210449 - GLT Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		Various Lines - Project # M210450 - GLT Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		Various Lines - Project # M210451 - GLT Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		Various Lines - Project # M210452 - Drone Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		Various Lines - Project # M210453 - Drone Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		Various Lines - Project # M210454 - Drone Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		Various Lines - Project # M210455 - Drone Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		Various Lines - Project # M210456 - Drone Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		Various Lines - Project # M210457 - Drone Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236		Various Lines - Project # XARM23T - Crossarm Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
237		Various Lines - Project # XARM24T - Crossarm Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
238		Various Lines - Project # XARM25T - Crossarm Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
239		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
240		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
241		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
242		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
243		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
244		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
245		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
246		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
247		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
248		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
249		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
250		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
251		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
252		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
253		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
254	DEI Distribution System Costs Associated with Transmission System Line Improvements		\$ 793,706	\$ 2,159,226	\$ 651,518	\$ 60,267	\$ 3,664,716	\$ 2,149,130	\$ 5,813,847	\$ 2,409,231	\$ 8,223,078
255	Total DEI T & D System Line Improvements		\$9,007,575	\$23,051,143	\$6,514,948	\$991,500	\$39,565,165	\$5,011,924	\$44,577,090	\$5,838,717	\$50,415,806

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Transmission System Line Capital Improvements
6 Year Detailed Transmission System Line Improvements Summary By Year
DEI Transmission System Line Improvements

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
1	DEI Transmission System Line Improvements										
2		LINE LINE 6901, DRESSER (216) TO SULLIVAN NORTH (723) - Project # M190306 - 6901 Rblid Pt1B - Dresser-Structure 802-1017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		LINE LINE 6903, BLOOMINGTON 230 (158) TO MARTINSVILLE (734) - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4		LINE LINE 6916, NOBLESVILLE GEN STA. (223) TO NOBLESVILLE FIRESTONE (673) - Project # M200077 - Circuit 6916 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		LINE LINE 6920, CONNERSVILLE (155) TO GREENSBURG 138KV (225) - Project # TIN1785 - 6920 Pt 2 Rebuild - Glenwood - Rushville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-A - 6921 Lagro Switching Sta Motor Operated switch Lincolnville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-B - 6921 Dallas Jct Motor Operated Swi Dallas United REMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8		LINE LINE 6922, WALTON 230 (185) TO GRISSOM AEROPLEX #4 (683) - Project # TBD-6922-A - 6922 Grissom AFB Jct Remote control of switch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # combined into M180041 - 6923 Pt 5 Rebuild - Huntington 138KV - Erie Stone Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6923-C - 6923 Pt 3 Rebuild - Huntington Goblesville Jct - United Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # M180035 - 6923 Pt 2 Rblid - Collamer Jct - N. Manchester	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12		LINE LINE 6926, LOGANSPOUT SW STA TO ROCHESTER (728) - Project # TIN1857-DL1 - 6926 Rblid Pt 1 - Metea_Lcm TDSIC (Duke costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13		LINE LINE 6933, GREENCASTLE (152) TO WHITESVILLE SOUTH (191) - Project # M200312 - 6933 TDSIC Rblid Pt1 Gcst N-Mrtn									
14		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TIN1711 - 6935 TDSIC Rblid Pt3 Nwrtn-Atc230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # M200075 - Circuit 6935 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-F - 6935 Veedersburg SS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-G - 6935 Mountain Rd Swi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TIN1712 - 6936 TDSIC Rblid Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TBD-6936-E - 6936 Rebuild Tab Jct - Marshfield	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20		LINE LINE 6937, GREENSBURG WASHINGTON ST (319) TO PRESCOT (230) - Project # M200076 - Circuit 6937 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		LINE LINE 6940, CENTERTON (295) TO PLAINFIELD SOUTH (163) - Project # M180436 - 6940 Mooresville Jct. #1 & #2 SW Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-B - Danville Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-C - 6945 Prestwick REMC Motor operated Switch #2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		LINE LINE 6947, SHELBYVILLE NOBLE ST (615) TO NEW PALESTINE (349) - Project # TBD-6947-A - 6947 Fairland Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25		LINE LINE 6952, BEDFORD BOYD LN (274) TO PUMPKIN CENTER (199) - Project # M180003 - 6952 Pt 2 Rebuild - Brownstown SW Sta - Pumpkin Center Sub									
26		LINE LINE 6954, SCOTTSBURG (249) TO SPEED (167) - Project # TIN2116 - 6954 Henryville Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27		LINE LINE 6955, SPEED (167) TO CLARKSVILLE (327) - Project # TBD-6955-A - 6955 HE Bethany - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		LINE LINE 6959, BLOOMFIELD (204) TO EDWARDSPOUT GEN STA (218) - Project # TBD-6959-B - 6959 Newberry - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29		LINE LINE 6960, EDWARDSPOUT GEN STA (218) TO OAKLAND CITY (242) - Project # M180002 - 6960 Pt 3 Rblid - Monroe City Jct - Petersburg Jct									
30		LINE LINE 6961, EDWARDSPOUT GEN STA (218) TO SULLIVAN (255) - Project # M200980 - Circuit 6961 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31		LINE LINE 6962, MOHAWK 138 (246) TO GREENFIELD (790) - Project # TBD-6962-A - 6962 Heritage Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32		LINE LINE 6966, CARMEL 146TH ST (281) TO HOMEPLACE (430) - Project # TBD-6966-A - 6966 - 116 and Westfield SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-A - 6974 - Akron SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-B - 6974 - North Manchester Foundry SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # M180007 - 6975 Pt 3 Rblid - McKay Rd - Shelbyville South Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # combine into M180007 - 6975 Pt 3 Rblid - Shelbyville South Jct - HE Lewis Creek Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37		LINE LINE 6976, SHELBYVILLE NORTHEAST (203) TO SHELBYVILLE NOBLE ST (615) TO PRESCOTT (230) - Project # M200081 - Circuit 6976 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		LINE LINE 6977, COLUMBUS (268) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-6977-A - 6977 Clifty Creek Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39		LINE LINE 6986, WABASH (270) TO PERU SOUTHEAST (231) - Project # TBD-6986-A - 6986 Alloy Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		LINE LINE 6988, MIDDLEFORK (189) TO BURROWS (193) - Project # TBD-6988-A - 6988 Flora Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		LINE LINE 6989, WHITESTOWN 345 (198) TO CARMEL (425) - Project # M200079 - Circuit 6989 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		LINE LINE 6990, BLOOMINGTON ROGERS ST (205) TO BLOOMINGTON WEST (286) - Project # TBD-6990-A - 6990 Otis Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		LINE LINE 6993, MITCHELL LOST RIVER (298) TO HE CHAMBERSBURG - Project # TBD-6993-A - 6993 Paoli Indian Trails SW Repl_SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		LINE LINE 6998, BEDFORD (166) TO CENTRAL FOUNDRY (453) - Project # M180428 - Central Foundry Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45		LINE LINE 6999, PLAINFIELD SOUTH (163) TO GREENWOOD NORTH (543) - Project # TBD 6999-C - 6999 Lenore Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46		LINE LINE 69100, CENTERVILLE 138 (187) TO HAGERSTOWN (221) - Project # M180434 - 69100 Greensfork_HE Jacksonburg Jct									
47		LINE LINE 69102, GREENWOOD CLARK TOWNSHIP (279) TO HE KINDER - Project # TBD-69102-B - 69102 Bargersville Harrod Swi Add SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		LINE LINE 69116, CLINTON 230 (251) TO CLINTON ELI LILLY SOUTH (258) - Project # TBD-69116-A - 69116 Lilly North Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		LINE LINE 69117, CLINTON 230 (251) TO CLINTON ELI LILLY NORTH (258) - Project # TBD-69117-A - 69117 Lilly South Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		LINE LINE 69132, NORTH MANCHESTER SW STA (294) TO WABASH 138 (270) - Project # M200070 - Circuit 69132 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # M180094 - 69139 Rebuild Pt 2 - Poseyville Sub - Knox Co REMC Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # TBD-69139-D - 69139 Owensville Swi Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53		LINE LINE 69146, COLUMBUS DENOIS CREEK (291) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-69146-B - 69146 Edinburgh Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		LINE LINE 69149, COLUMBUS DENOIS CREEK (291) TO HE WHITE CREEK - Project # TBD-69149-A - 69149 Walesboro - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
112		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
118		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
119		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
120		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
121		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
123		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
124		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
125		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
126		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
127	Total DEI Transmission System Line Improvements		\$ 12,371,231	\$ 34,799,480	\$ 9,247,730	\$ 1,597,506	\$ 58,015,946	\$ 2,661,355	\$ 60,677,301	\$ 8,244,755	\$ 68,922,056

Distribution System Costs Associated with Transmission Line Improvements											
Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	M	Capital Additions and O&M	Retirements	Total Project
128	DEI Distribution System Costs Associated with Transmission System Line Improvements										
129		LINE LINE 6901, DRESSER (216) TO SULLIVAN NORTH (723) - Project # M190306 - 6901 Rbld Pt1B - Dresser-Structure 802-1017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		LINE LINE 6903, BLOOMINGTON 230 (158) TO MARTINSVILLE (734) - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		LINE LINE 6916, NOBLESVILLE GEN STA. (223) TO NOBLESVILLE FIRESTONE (673) - Project # M200077 - Circuit 6916 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		LINE LINE 6920, CONNERSVILLE (155) TO GREENSBURG 138KV (225) - Project # TIN1785 - 6920 Pt 2 Rebuild - Glenwood - Rushville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
133		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-A - 6921 Lagro Switching Sta Motor Operated switch Lincolnville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-B - 6921 Dallas Jct Motor Operated Swi Dallas United REMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
135		LINE LINE 6922, WALTON 230 (185) TO GRISSOM AEROPLEX #4 (683) - Project # TBD-6922-A - 6922 Grissom AFB Jct Remote control of switch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
136		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # combined into M180041 - 6923 Pt 5 Rebuild - Huntington 138KV - Erie Stone Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6923-C - 6923 Pt 3 Rebuild - Huntington Goblesville Jct - United Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # M180035 - 6923 Pt 2 Rbld - Collamer Jct - N. Manchester	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		LINE LINE 6926, LOGANSPOUR SW STA TO ROCHESTER (728) - Project # TIN1857-DL1 - 6926 Rbld Pt 1 - Metea_Lcm TDSIC (Duke costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		LINE LINE 6933, GREENCASTLE (152) TO WHITESVILLE SOUTH (191) - Project # M200312 - 6933 TDSIC Rbld Pt1 Gest N-Mrtn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TIN1711 - 6935 TDSIC Rbld Pt3 Nwrtn-Atc230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
142		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # M200075 - Circuit 6935 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-F - 6935 Veedersburg SS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-G - 6935 Mountain Rd Swi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
146		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TBD-6936-E - 6936 Rebuild Tab Jct - Marshfield	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
147		LINE LINE 6937, GREENSBURG WASHINGTON ST (319) TO PRESCOT (230) - Project # M200076 - Circuit 6937 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		LINE LINE 6940, CENTERTON (295) TO PLAINFIELD SOUTH (163) - Project # M180436 - 6940 Mooresville Jct. #1 & #2 SW Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
149		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-B - Danville Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
150		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-C - 6945 Prestwick REMC Motor operated Switch #2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		LINE LINE 6947, SHELBYVILLE NOBLE ST (615) TO NEW PALESTINE (349) - Project # TBD-6947-A - 6947 Fairland Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152		LINE LINE 6952, BEDFORD BOYD LN (274) TO PUMPKIN CENTER (199) - Project # M180003 - 6952 Pt 2 Rebuild - Brownstown SW Sta - Pumpkin Center Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		LINE LINE 6954, SCOTTSBURG (249) TO SPEED (167) - Project # TIN2116 - 6954 Henryville Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		LINE LINE 6955, SPEED (167) TO CLARKSVILLE (327) - Project # TBD-6955-A - 6955 HE Bethany - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		LINE LINE 6959, BLOOMFIELD (204) TO EDWARDSPOUR GEN STA (218) - Project # TBD-6959-B - 6959 Newberry - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
156		LINE LINE 6960, EDWARDSPOUR GEN STA (218) TO OAKLAND CITY (242) - Project # M180002 - 6960 Pt 3 Rbld - Monroe City Jct - Petersburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		LINE LINE 6961, EDWARDSPOUR GEN STA (218) TO SULLIVAN (255) - Project # M200980 - Circuit 6961 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158		LINE LINE 6962, MOHAWK 138 (246) TO GREENFIELD (790) - Project # TBD-6962-A - 6962 Heritage Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		LINE LINE 6966, CARMEL 146TH ST (281) TO HOMEPLACE (430) - Project # TBD-6966-A - 6966 - 116 and Westfield SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-A - 6974 - Akron SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-B - 6974 - North Manchester Foundry SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
162		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # M180007 - 6975 Pt 3 Rbld - McKay Rd - Shelbyville South Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
163		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # combine into M180007 - 6975 Pt 3 Rbld - Shelbyville South Jct - HE Lewis Creek Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		LINE LINE 6976, SHELBYVILLE NORTHEAST (203) TO SHELBYVILLE NOBLE ST (615) TO PRESCOTT (230) - Project # M200081 - Circuit 6976 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
165		LINE LINE 6977, COLUMBUS (268) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-6977-A - 6977 Clifty Creek Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
166		LINE LINE 6986, WABASH (270) TO PERU SOUTHEAST (231) - Project # TBD-6986-A - 6986 Alloy Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		LINE LINE 6988, MIDDLEFORK (189) TO BURROWS (193) - Project # TBD-6988-A - 6988 Flora Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
168		LINE LINE 6989, WHITESTOWN 345 (198) TO CARMEL (425) - Project # M200079 - Circuit 6989 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		LINE LINE 6990, BLOOMINGTON ROGERS ST (205) TO BLOOMINGTON WEST (286) - Project # TBD-6990-A - 6990 Otis Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
170		LINE LINE 6993, MITCHELL LOST RIVER (298) TO HE CHAMBERSBURG - Project # TBD-6993-A - 6993 Paoli Indian Trails SW Repl_SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		LINE LINE 6998, BEDFORD (166) TO CENTRAL FOUNDRY (453) - Project # M180428 - Central Foundry Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		LINE LINE 6999, PLAINFIELD SOUTH (163) TO GREENWOOD NORTH (543) - Project # TBD 6999-C - 6999 Lenore Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		LINE LINE 69100, CENTERVILLE 138 (187) TO HAGERSTOWN (221) - Project # M180434 - 69100 Greensfork_HE Jacksonburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		LINE LINE 69102, GREENWOOD CLARK TOWNSHIP (279) TO HE KINDER - Project # TBD-69102-B - 69102 Bargersville Harrod Swi Add SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		LINE LINE 69116, CLINTON 230 (251) TO CLINTON ELI LILLY SOUTH (258) - Project # TBD-69116-A - 69116 Lilly North Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		LINE LINE 69117, CLINTON 230 (251) TO CLINTON ELI LILLY NORTH (258) - Project # TBD-69117-A - 69117 Lilly South Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		LINE LINE 69132, NORTH MANCHESTER SW STA (294) TO WABASH 138 (270) - Project # M200070 - Circuit 69132 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # M180094 - 69139 Rebuild Pt 2 - Poseyville Sub - Knox Co REMC Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # TBD-69139-D - 69139 Owensville Swi Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		LINE LINE 69146, COLUMBUS DENOIS CREEK (291) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-69146-B - 69146 Edinburgh Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
181		LINE LINE 69149, COLUMBUS DENOIS CREEK (291) TO HE WHITE CREEK - Project # TBD-69149-A - 69149 Walesboro - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LINE LINE 69154, CRAWFORDSVILLE (173) TO WHITESVILLE SOUTH (191) - Project # M170131 - 69154 Pt 2 Rebuild - Whitesville Sub - Advance Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
183		LINE LINE 69155, HORTONVILLE 345 (222) TO WHITESTOWN 345 (198) - Project # M200074 - Circuit 69155 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LINE 69165, FRANKLIN (178) TO GREENWOOD VALLE VISTA (758) - Project # TBD-69165-B - 69165 Rocklane Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-B - 69180 Pt 1 - Rblid - Arcadia 385 - Arcadia North 650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-D - 69180 Arcadia North SW Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		LINE 69188, LAFAYETTE 230KV (161) TO TIPMON REMC TETC 6 TO DELPHI WELLS (597) - Project # TBD-69188-B - 69188 Tipmont Lafayette JCT SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		LINE 69203, BEDFORD 345 (166) TO HE WILLIAMS - Project # TBD-69203-A - 69203 Williams SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		LINE 13831, BATESVILLE 345 (170) TO COLUMBUS 345 (268) - Project # M180438 - 13831 H.E. Westport #1 and #2 Switch Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		LINE 23008, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # M210314 - 23008 Tipton W-Cammack rd_Insul Repl and Anti-gallop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		LINE 23027, ATTICA 230 (160) TO VEEDERSBURG WEST 230KV (183) - Project # AMIN1322 - 23027 Insulator and galloping mit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		LINE 34507, GIBSON GEN STA (232) TO PETERSBURG (IP&L) (150.13) - Project # M200418 - 34507 Dead Ends Proj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
194		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Ribty Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
195		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
197		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
199		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave Conv 4kV contains D-Line Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Substation contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood Wd Sub Struct Rblid VCR Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		TERRE HAUTE EAST, STATION - Project # M180441 - Terre Haute East CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		VINCENNES, STATION - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		FRANKLIN 230, STATION - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		Saint Paul Northwest - Project # M200398 - Saint Paul Northwest New Sub contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
210		COLUMBIA COMMERCE PARK, STATION - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211		COLUMBIA COMMERCE PARK, STATION - Project # M210237 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		COLBURN, STATION - Project # M210238 - Colburn Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St Ring Bus_Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		AKRON, STATION - Project # M210398 - Akron Install RTU and 69kV Loop-Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		ROCKVILLE 138, STATION - Project # M180453 - Rockville 138 Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		NEW ALBANY CENTRAL, STATION - Project # M200123 - New Albany Central Add Volt Reg IVV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		Various Lines - Project # GLTTran23/GLTDist23 - GLT Pole Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
219		Various Lines - Project # GLTTran24/GLTDist24 - GLT Pole Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		Various Lines - Project # GLT25T - GLT Pole Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		Various Lines - Project # GLT26T - GLT Pole Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
222		Various Lines - Project # GLT27T - GLT Pole Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		Various Lines - Project # GLT28T - GLT Pole Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
224		Various Lines - Project # M210446 - GLT Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		Various Lines - Project # M210447 - GLT Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		Various Lines - Project # M210448 - GLT Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		Various Lines - Project # M210449 - GLT Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		Various Lines - Project # M210450 - GLT Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		Various Lines - Project # M210451 - GLT Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		Various Lines - Project # M210452 - Drone Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		Various Lines - Project # M210453 - Drone Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		Various Lines - Project # M210454 - Drone Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		Various Lines - Project # M210455 - Drone Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		Various Lines - Project # M210456 - Drone Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		Various Lines - Project # M210457 - Drone Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236		Various Lines - Project # XARM23T - Crossarm Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
237		Various Lines - Project # XARM24T - Crossarm Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
238		Various Lines - Project # XARM25T - Crossarm Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
239		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
240		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
241		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
242		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
243		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
244		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
245		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
246		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
247		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
248		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
249		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
250		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
251		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
252		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
253		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
254		DEI Distribution System Costs Associated with Transmission System Line Improvements	\$ 101,886	\$ 134,453	\$ 91,640	\$ 24,927	\$ 352,906	\$ 51,201	\$ 404,106	\$ 75,312	\$ 479,418
255		Total DEI T & D System Line Improvements	\$12,473,116	\$34,933,933	\$9,339,370	\$1,622,433	\$58,368,852	\$2,712,556	\$61,081,407	\$8,320,067	\$69,401,474

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
112		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
118		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
119		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
120		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
121		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
123		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
124		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
125		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
126		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
127		Total DEI Transmission System Line Improvements	\$ 20,239,503	\$ 92,369,757	\$ 24,159,173	\$ 4,307,522	\$ 141,075,955	\$ 3,704,375	\$ 144,780,330	\$ 12,387,550	\$ 157,167,880

Distribution System Costs Associated with Transmission Line Improvements											
Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
128		DEI Distribution System Costs Associated with Transmission System Line Improvements									
129		LINE LINE 6901, DRESSER (216) TO SULLIVAN NORTH (723) - Project # M190306 - 6901 Rbld Pt1B - Dresser-Structure 802-1017						\$ -		\$ -	
130		LINE LINE 6903, BLOOMINGTON 230 (158) TO MARTINSVILLE (734) - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		LINE LINE 6916, NOBLESVILLE GEN STA. (223) TO NOBLESVILLE FIRESTONE (673) - Project # M200077 - Circuit 6916 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		LINE LINE 6920, CONNERSVILLE (155) TO GREENSBURG 138KV (225) - Project # TIN1785 - 6920 Pt 2 Rebuild - Glenwood - Rushville								\$ -	
133		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-A - 6921 Lagro Switching Sta Motor Operated switch Lincolnville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-B - 6921 Dallas Jct Motor Operated Swi Dallas United REMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
135		LINE LINE 6922, WALTON 230 (185) TO GRISSOM AEROPLEX #4 (683) - Project # TBD-6922-A - 6922 Grissom AFB Jct Remote control of switch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
136		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # combined into M180041 - 6923 Pt 5 Rebuild - Huntington 138KV - Erie Stone Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6923-C - 6923 Pt 3 Rebuild - Huntington Goblesville Jct - United Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # M180035 - 6923 Pt 2 Rbld - Collamer Jct - N. Manchester	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		LINE LINE 6926, LOGANSPOUR SW STA TO ROCHESTER (728) - Project # TIN1857-DL1 - 6926 Rbld Pt 1 - Metea_Lcm TDSIC (Duke costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		LINE LINE 6933, GREENCASTLE (152) TO WHITESVILLE SOUTH (191) - Project # M200312 - 6933 TDSIC Rbld Pt1 Gest N-Mrtn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TIN1711 - 6935 TDSIC Rbld Pt3 Nwrtn-Atc230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
142		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # M200075 - Circuit 6935 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-F - 6935 Veedersburg SS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-G - 6935 Mountain Rd Swi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230									
146		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TBD-6936-E - 6936 Rebuild Tab Jct - Marshfield	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
147		LINE LINE 6937, GREENSBURG WASHINGTON ST (319) TO PRESCOT (230) - Project # M200076 - Circuit 6937 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		LINE LINE 6940, CENTERTON (295) TO PLAINFIELD SOUTH (163) - Project # M180436 - 6940 Mooresville Jct. #1 & #2 SW Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
149		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-B - Danville Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
150		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-C - 6945 Prestwick REMC Motor operated Switch #2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		LINE LINE 6947, SHELBYVILLE NOBLE ST (615) TO NEW PALESTINE (349) - Project # TBD-6947-A - 6947 Fairland Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152		LINE LINE 6952, BEDFORD BOYD LN (274) TO PUMPKIN CENTER (199) - Project # M180003 - 6952 Pt 2 Rebuild - Brownstown SW Sta - Pumpkin Center Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		LINE LINE 6954, SCOTTSBURG (249) TO SPEED (167) - Project # TIN2116 - 6954 Henryville Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		LINE LINE 6955, SPEED (167) TO CLARKSVILLE (327) - Project # TBD-6955-A - 6955 HE Bethany - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		LINE LINE 6959, BLOOMFIELD (204) TO EDWARDSPOUR GEN STA (218) - Project # TBD-6959-B - 6959 Newberry - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
156		LINE LINE 6960, EDWARDSPOUR GEN STA (218) TO OAKLAND CITY (242) - Project # M180002 - 6960 Pt 3 Rbld - Monroe City Jct - Petersburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		LINE LINE 6961, EDWARDSPOUR GEN STA (218) TO SULLIVAN (255) - Project # M200980 - Circuit 6961 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158		LINE LINE 6962, MOHAWK 138 (246) TO GREENFIELD (790) - Project # TBD-6962-A - 6962 Heritage Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		LINE LINE 6966, CARMEL 146TH ST (281) TO HOMEPLACE (430) - Project # TBD-6966-A - 6966 - 116 and Westfield SW_Rpl									
160		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-A - 6974 - Akron SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-B - 6974 - North Manchester Foundry SW_Rpl									
162		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # M180007 - 6975 Pt 3 Rbld - McKay Rd - Shelbyville South Jct						\$ -		\$ -	
163		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # combine into M180007 - 6975 Pt 3 Rbld - Shelbyville South Jct - HE Lewis Creek Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		LINE LINE 6976, SHELBYVILLE NORTHEAST (203) TO SHELBYVILLE NOBLE ST (615) TO PRESCOTT (230) - Project # M200081 - Circuit 6976 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
165		LINE LINE 6977, COLUMBUS (268) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-6977-A - 6977 Clifty Creek Jct SW_Rpl									
166		LINE LINE 6986, WABASH (270) TO PERU SOUTHEAST (231) - Project # TBD-6986-A - 6986 Alloy Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		LINE LINE 6988, MIDDLEFORK (189) TO BURROWS (193) - Project # TBD-6988-A - 6988 Flora Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
168		LINE LINE 6989, WHITESTOWN 345 (198) TO CARMEL (425) - Project # M200079 - Circuit 6989 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		LINE LINE 6990, BLOOMINGTON ROGERS ST (205) TO BLOOMINGTON WEST (286) - Project # TBD-6990-A - 6990 Otis Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
170		LINE LINE 6993, MITCHELL LOST RIVER (298) TO HE CHAMBERSBURG - Project # TBD-6993-A - 6993 Paoli Indian Trails SW Repl_SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		LINE LINE 6998, BEDFORD (166) TO CENTRAL FOUNDRY (453) - Project # M180428 - Central Foundry Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		LINE LINE 6999, PLAINFIELD SOUTH (163) TO GREENWOOD NORTH (543) - Project # TBD 6999-C - 6999 Lenore Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		LINE LINE 69100, CENTERVILLE 138 (187) TO HAGERSTOWN (221) - Project # M180434 - 69100 Greensfork_HE Jacksonburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		LINE LINE 69102, GREENWOOD CLARK TOWNSHIP (279) TO HE KINDER - Project # TBD-69102-B - 69102 Bargersville Harrod Swi Add SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		LINE LINE 69116, CLINTON 230 (251) TO CLINTON ELI LILLY SOUTH (258) - Project # TBD-69116-A - 69116 Lilly North Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		LINE LINE 69117, CLINTON 230 (251) TO CLINTON ELI LILLY NORTH (258) - Project # TBD-69117-A - 69117 Lilly South Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		LINE LINE 69132, NORTH MANCHESTER SW STA (294) TO WABASH 138 (270) - Project # M200070 - Circuit 69132 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # M180094 - 69139 Rebuild Pt 2 - Poseyville Sub - Knox Co REMC Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # TBD-69139-D - 69139 Owensville Swi Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		LINE LINE 69146, COLUMBUS DENOIS CREEK (291) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-69146-B - 69146 Edinburgh Jct - SW_Rpl									
181		LINE LINE 69149, COLUMBUS DENOIS CREEK (291) TO HE WHITE CREEK - Project # TBD-69149-A - 69149 Walesboro - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LINE LINE 69154, CRAWFORDSVILLE (173) TO WHITESVILLE SOUTH (191) - Project # M170131 - 69154 Pt 2 Rebuild - Whitesville Sub - Advance Sub									
183		LINE LINE 69155, HORTONVILLE 345 (222) TO WHITESTOWN 345 (198) - Project # M200074 - Circuit 69155 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LINE 69165, FRANKLIN (178) TO GREENWOOD VALLE VISTA (758) - Project # TBD-69165-B - 69165 Rocklane Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-B - 69180 Pt 1 - Rblid - Arcadia 385 - Arcadia North 650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-D - 69180 Arcadia North SW Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		LINE 69188, LAFAYETTE 230KV (161) TO TIPMON REMC TETC 6 TO DELPHI WELLS (597) - Project # TBD-69188-B - 69188 Tipmont Lafayette JCT SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		LINE 69203, BEDFORD 345 (166) TO HE WILLIAMS - Project # TBD-69203-A - 69203 Williams SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		LINE 13831, BATESVILLE 345 (170) TO COLUMBUS 345 (268) - Project # M180438 - 13831 H.E. Westport #1 and #2 Switch Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		LINE 23008, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # M210314 - 23008 Tipton W-Cammack rd_Insul Repl and Anti-gallop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		LINE 23027, ATTICA 290 (160) TO VEEDERSBURG WEST 230KV (183) - Project # AMIN1322 - 23027 Insulator and galloping mit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		LINE 34507, GIBSON GEN STA (232) TO PETERSBURG (IP&L) (150.13) - Project # M200418 - 34507 Dead Ends Proj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
194		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Ribty Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
195		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5									
197		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU									
199		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave Conv 4kV contains D-Line Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Substation contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood Wd Sub Struct Rblid VCR Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		TERRE HAUTE EAST, STATION - Project # M180441 - Terre Haute East CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		VINCENNES, STATION - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		FRANKLIN 230, STATION - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		Saint Paul Northwest - Project # M200398 - Saint Paul Northwest New Sub contai									
210		COLUMBIA COMMERCE PARK, STATION - Project # M210129 - COL Commerce Park 69kV Loop Thru				\$ -					
211		COLUMBIA COMMERCE PARK, STATION - Project # M210237 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		COLBURN, STATION - Project # M210238 - Colburn Reliability Upgrade									
213		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St Ring Bus_Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		AKRON, STATION - Project # M210398 - Akron Install RTU and 69kV Loop-Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		ROCKVILLE 138, STATION - Project # M180453 - Rockville 138 Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		NEW ALBANY CENTRAL, STATION - Project # M200123 - New Albany Central Add Volt Reg IVV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		Various Lines - Project # GLTTran23/GLTDist23 - GLT Pole Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
219		Various Lines - Project # GLTTran24/GLTDist24 - GLT Pole Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		Various Lines - Project # GLT25T - GLT Pole Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		Various Lines - Project # GLT26T - GLT Pole Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
222		Various Lines - Project # GLT27T - GLT Pole Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		Various Lines - Project # GLT28T - GLT Pole Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
224		Various Lines - Project # M210446 - GLT Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		Various Lines - Project # M210447 - GLT Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		Various Lines - Project # M210448 - GLT Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		Various Lines - Project # M210449 - GLT Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		Various Lines - Project # M210450 - GLT Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		Various Lines - Project # M210451 - GLT Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		Various Lines - Project # M210452 - Drone Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		Various Lines - Project # M210453 - Drone Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		Various Lines - Project # M210454 - Drone Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		Various Lines - Project # M210455 - Drone Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		Various Lines - Project # M210456 - Drone Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		Various Lines - Project # M210457 - Drone Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236		Various Lines - Project # XARM23T - Crossarm Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
237		Various Lines - Project # XARM24T - Crossarm Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
238		Various Lines - Project # XARM25T - Crossarm Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
239		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
240		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
241		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
242		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
243		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
244		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
245		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
246		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
247		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
248		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
249		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
250		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
251		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
252		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
253		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
254		DEI Distribution System Costs Associated with Transmission System Line Improvements	\$ 2,070,916	\$ 5,330,452	\$ 1,477,393	\$ 323,254	\$ 9,202,016	\$ 428,084	\$ 9,630,099	\$ 652,054	\$ 10,282,153
255		Total DEI T & D System Line Improvements	\$22,310,419	\$97,700,210	\$25,636,566	\$4,630,776	\$150,277,971	\$4,132,458	\$154,410,429	\$13,039,604	\$167,450,033

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Transmission System Line Capital Improvements
6 Year Detailed Transmission System Line Improvements Summary By Year
DEI Transmission System Line Improvements

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	6 Total Capital Additions	O&M	Capital Additions and O&M	Retirements	6 Total Project
1	DEI Transmission System Line Improvements										
2		LINE LINE 6901, DRESSER (216) TO SULLIVAN NORTH (723) - Project # M190306 - 6901 Rblid Pt1B - Dresser-Structure 802-1017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		LINE LINE 6903, BLOOMINGTON 230 (158) TO MARTINSVILLE (734) - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4		LINE LINE 6916, NOBLESVILLE GEN STA. (223) TO NOBLESVILLE FIRESTONE (673) - Project # M200077 - Circuit 6916 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		LINE LINE 6920, CONNERSVILLE (155) TO GREENSBURG 138KV (225) - Project # TIN1785 - 6920 Pt 2 Rebuild - Glenwood - Rushville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-A - 6921 Lagro Switching Sta Motor Operated switch Lincolnville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-B - 6921 Dallas Jct Motor Operated Swi Dallas United REMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8		LINE LINE 6922, WALTON 230 (185) TO GRISSOM AEROPLEX #4 (683) - Project # TBD-6922-A - 6922 Grissom AFB Jct Remote control of switch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # combined into M180041 - 6923 Pt 5 Rebuild - Huntington 138KV - Erie Stone Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6923-C - 6923 Pt 3 Rebuild - Huntington Goblesville Jct - United Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # M180035 - 6923 Pt 2 Rblid - Collamer Jct - N. Manchester	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12		LINE LINE 6926, LOGANSPOUT SW STA TO ROCHESTER (728) - Project # TIN1857-DL1 - 6926 Rblid Pt 1 - Metea_Lcrn TDSIC (Duke costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13		LINE LINE 6933, GREENCASTLE (152) TO WHITESVILLE SOUTH (191) - Project # M200312 - 6933 TDSIC Rblid Pt1 Gcst N-Mrtn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TIN1711 - 6935 TDSIC Rblid Pt3 Nwrtn-Atc230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # M200075 - Circuit 6935 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-F - 6935 Veedersburg SS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-G - 6935 Mountain Rd Swi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TIN1712 - 6936 TDSIC Rblid Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TBD-6936-E - 6936 Rebuild Tab Jct - Marshfield	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20		LINE LINE 6937, GREENSBURG WASHINGTON ST (319) TO PRESCOT (230) - Project # M200076 - Circuit 6937 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		LINE LINE 6940, CENTERTON (295) TO PLAINFIELD SOUTH (163) - Project # M180436 - 6940 Mooresville Jct. #1 & #2 SW Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-B - Danville Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-C - 6945 Prestwick REMC Motor operated Switch #2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		LINE LINE 6947, SHELBYVILLE NOBLE ST (615) TO NEW PALESTINE (349) - Project # TBD-6947-A - 6947 Fairland Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25		LINE LINE 6952, BEDFORD BOYD LN (274) TO PUMPKIN CENTER (199) - Project # M180003 - 6952 Pt 2 Rebuild - Brownstown SW Sta - Pumpkin Center Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26		LINE LINE 6954, SCOTTSBURG (249) TO SPEED (167) - Project # TIN2116 - 6954 Henryville Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27		LINE LINE 6955, SPEED (167) TO CLARKSVILLE (327) - Project # TBD-6955-A - 6955 HE Bethany - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		LINE LINE 6959, BLOOMFIELD (204) TO EDWARDSPOUT GEN STA (218) - Project # TBD-6959-B - 6959 Newberry - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29		LINE LINE 6960, EDWARDSPOUT GEN STA (218) TO OAKLAND CITY (242) - Project # M180002 - 6960 Pt 3 Rblid - Monroe City Jct - Petersburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30		LINE LINE 6961, EDWARDSPOUT GEN STA (218) TO SULLIVAN (255) - Project # M200980 - Circuit 6961 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31		LINE LINE 6962, MOHAWK 138 (246) TO GREENFIELD (790) - Project # TBD-6962-A - 6962 Heritage Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32		LINE LINE 6966, CARMEL 146TH ST (281) TO HOMEPLACE (430) - Project # TBD-6966-A - 6966 - 116 and Westfield SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-A - 6974 - Akron SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-B - 6974 - North Manchester Foundry SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # M180007 - 6975 Pt 3 Rblid - McKay Rd - Shelbyville South Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # combine into M180007 - 6975 Pt 3 Rblid - Shelbyville South Jct - HE Lewis Creek Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37		LINE LINE 6976, SHELBYVILLE NORTHEAST (203) TO SHELBYVILLE NOBLE ST (615) TO PRESCOTT (230) - Project # M200081 - Circuit 6976 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		LINE LINE 6977, COLUMBUS (268) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-6977-A - 6977 Clifty Creek Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39		LINE LINE 6986, WABASH (270) TO PERU SOUTHEAST (231) - Project # TBD-6986-A - 6986 Alloy Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		LINE LINE 6988, MIDDLEFORK (189) TO BURROWS (193) - Project # TBD-6988-A - 6988 Flora Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		LINE LINE 6989, WHITESTOWN 345 (198) TO CARMEL (425) - Project # M200079 - Circuit 6989 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		LINE LINE 6990, BLOOMINGTON ROGERS ST (205) TO BLOOMINGTON WEST (286) - Project # TBD-6990-A - 6990 Otis Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		LINE LINE 6993, MITCHELL LOST RIVER (298) TO HE CHAMBERSBURG - Project # TBD-6993-A - 6993 Paoli Indian Trails SW Repl_SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		LINE LINE 6998, BEDFORD (166) TO CENTRAL FOUNDRY (453) - Project # M180428 - Central Foundry Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45		LINE LINE 6999, PLAINFIELD SOUTH (163) TO GREENWOOD NORTH (543) - Project # TBD 6999-C - 6999 Lenore Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46		LINE LINE 69100, CENTERVILLE 138 (187) TO HAGERSTOWN (221) - Project # M180434 - 69100 Greensfork_HE Jacksonburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47		LINE LINE 69102, GREENWOOD CLARK TOWNSHIP (279) TO HE KINDER - Project # TBD-69102-B - 69102 Bargersville Harrod Swi Add SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		LINE LINE 69116, CLINTON 230 (251) TO CLINTON ELI LILLY SOUTH (258) - Project # TBD-69116-A - 69116 Lilly North Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		LINE LINE 69117, CLINTON 230 (251) TO CLINTON ELI LILLY NORTH (258) - Project # TBD-69117-A - 69117 Lilly South Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		LINE LINE 69132, NORTH MANCHESTER SW STA (294) TO WABASH 138 (270) - Project # M200070 - Circuit 69132 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # M180094 - 69139 Rebuild Pt 2 - Poseyville Sub - Knox Co REMC Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # TBD-69139-D - 69139 Owensville Swi Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53		LINE LINE 69146, COLUMBUS DENOIS CREEK (291) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-69146-B - 69146 Edinburgh Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		LINE LINE 69149, COLUMBUS DENOIS CREEK (291) TO HE WHITE CREEK - Project # TBD-69149-A - 69149 Walesboro - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
55		LINE LINE 69154, CRAWFORDSVILLE (173) TO WHITESVILLE SOUTH (191) - Project # M170131 - 69154 Pt 2 Rebuild - Whitesville Sub - Advance Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56		LINE LINE 69155, HORTONVILLE 345 (222) TO WHITESTOWN 345 (198) - Project # M200074 - Circuit 69155 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57		LINE 69165, FRANKLIN (178) TO GREENWOOD VALLE VISTA (758) - Project # TBD-69165-B - 69165 Rocklane Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-B - 69180 Pt 1 - Rbld - Arcadia 385 - Arcadia North 650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-D - 69180 Arcadia North SW Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60		LINE 69188, LAFAYETTE 230KV (161) TO TIPMON REMC TETC 6 TO DELPHI WELLS (597) - Project # TBD-69188-B - 69188 Tipmont Lafayette JCT SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61		LINE 69203, BEDFORD 345 (166) TO HE WILLIAMS - Project # TBD-69203-A - 69203 Williams SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62		LINE 13831, BATESVILLE 345 (170) TO COLUMBUS 345 (268) - Project # M180438 - 13831 H.E. Westport #1 and #2 Switch Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63		LINE 23008, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # M210314 - 23008 Tipton W-Cammack rd_Insul Repl and Anti-gallop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
64		LINE 23027, ATTICA 230 (160) TO VEEDERSBURG WEST 230KV (183) - Project # AMIN1322 - 23027 Insulator and galloping mit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65		LINE 34507, GIBSON GEN STA (232) TO PETERSBURG (IP&L) (150.13) - Project # M200418 - 34507 Dead Ends Proj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
66		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Ribty Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kv CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
69		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
71		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
72		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave Conv 4kV contains D-Line Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
76		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Substation contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
77		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood Wd Sub Struct Rblid VCR Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
79		TERRE HAUTE EAST, STATION - Project # M180441 - Terre Haute East CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80		VINCENNES, STATION - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81		FRANKLIN 230, STATION - Project # M200203 - Franklin 230 230kv Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82		Saint Paul Northwest - Project # M200398 - Saint Paul Northwest New Sub contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83		COLUMBIA COMMERCE PARK, STATION - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84		COLUMBIA COMMERCE PARK, STATION - Project # M210237 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85		COLBURN, STATION - Project # M210238 - Colburn Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St Ring Bus_Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87		AKRON, STATION - Project # M210398 - Akron Install RTU and 69kV Loop-Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88		ROCKVILLE 138, STATION - Project # M180453 - Rockville 138 Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89		NEW ALBANY CENTRAL, STATION - Project # M200123 - New Albany Central Add Volt Reg IVV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91		Various Lines - Project # GLTTran23/GLTDist23 - GLT Pole Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92		Various Lines - Project # GLTTran24/GLTDist24 - GLT Pole Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93		Various Lines - Project # GLT25T - GLT Pole Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94		Various Lines - Project # GLT26T - GLT Pole Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95		Various Lines - Project # GLT27T - GLT Pole Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96		Various Lines - Project # GLT28T - GLT Pole Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97		Various Lines - Project # M210446 - GLT Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98		Various Lines - Project # M210447 - GLT Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99		Various Lines - Project # M210448 - GLT Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100		Various Lines - Project # M210449 - GLT Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101		Various Lines - Project # M210450 - GLT Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102		Various Lines - Project # M210451 - GLT Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103		Various Lines - Project # M210452 - Drone Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104		Various Lines - Project # M210453 - Drone Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105		Various Lines - Project # M210454 - Drone Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
106		Various Lines - Project # M210455 - Drone Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
107		Various Lines - Project # M210456 - Drone Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
108		Various Lines - Project # M210457 - Drone Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
109		Various Lines - Project # XARM23T - Crossarm Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110		Various Lines - Project # XARM24T - Crossarm Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111		Various Lines - Project # XARM25T - Crossarm Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
112		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
118		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
119		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
120		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
121		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
123		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
124		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
125		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
126		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
127	Total DEI Transmission System Line Improvements		\$ 6,750,653	\$ 71,930,140	\$ 24,892,902	\$ 3,434,737	\$ 107,008,432	\$ 3,097,939	\$ 110,106,371	\$ 11,450,880	\$ 121,557,252

Distribution System Costs Associated with Transmission Line Improvements											
Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
128	DEI Distribution System Costs Associated with Transmission System Line Improvements										
129		LINE LINE 6901, DRESSER (216) TO SULLIVAN NORTH (723) - Project # M190306 - 6901 Rbld Pt1B - Dresser-Structure 802-1017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		LINE LINE 6903, BLOOMINGTON 230 (158) TO MARTINSVILLE (734) - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		LINE LINE 6916, NOBLESVILLE GEN STA. (223) TO NOBLESVILLE FIRESTONE (673) - Project # M200077 - Circuit 6916 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		LINE LINE 6920, CONNERSVILLE (155) TO GREENSBURG 138KV (225) - Project # TIN1785 - 6920 Pt 2 Rebuild - Glenwood - Rushville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
133		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-A - 6921 Lagro Switching Sta Motor Operated switch Lincolnville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-B - 6921 Dallas Jct Motor Operated Swi Dallas United REMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
135		LINE LINE 6922, WALTON 230 (185) TO GRISSOM AEROPLEX #4 (683) - Project # TBD-6922-A - 6922 Grissom AFB Jct Remote control of switch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
136		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # combined into M180041 - 6923 Pt 5 Rebuild - Huntington 138KV - Erie Stone Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6923-C - 6923 Pt 3 Rebuild - Huntington Goblesville Jct - United Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # M180035 - 6923 Pt 2 Rbld - Collamer Jct - N. Manchester	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		LINE LINE 6926, LOGANSPOUR SW STA TO ROCHESTER (728) - Project # TIN1857-DL1 - 6926 Rbld Pt 1 - Metea_Lcm TDSIC (Duke costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		LINE LINE 6933, GREENCASTLE (152) TO WHITESVILLE SOUTH (191) - Project # M200312 - 6933 TDSIC Rbld Pt1 Gest N-Mrtn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TIN1711 - 6935 TDSIC Rbld Pt3 Nwrtn-Atc230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
142		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # M200075 - Circuit 6935 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-F - 6935 Veedersburg SS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-G - 6935 Mountain Rd Swi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
146		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TBD-6936-E - 6936 Rebuild Tab Jct - Marshfield	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
147		LINE LINE 6937, GREENSBURG WASHINGTON ST (319) TO PRESCOT (230) - Project # M200076 - Circuit 6937 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		LINE LINE 6940, CENTERTON (295) TO PLAINFIELD SOUTH (163) - Project # M180436 - 6940 Mooresville Jct. #1 & #2 SW Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
149		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-B - Danville Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
150		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-C - 6945 Prestwick REMC Motor operated Switch #2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		LINE LINE 6947, SHELBYVILLE NOBLE ST (615) TO NEW PALESTINE (349) - Project # TBD-6947-A - 6947 Fairland Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152		LINE LINE 6952, BEDFORD BOYD LN (274) TO PUMPKIN CENTER (199) - Project # M180003 - 6952 Pt 2 Rebuild - Brownstown SW Sta - Pumpkin Center Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		LINE LINE 6954, SCOTTSBURG (249) TO SPEED (167) - Project # TIN2116 - 6954 Henryville Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		LINE LINE 6955, SPEED (167) TO CLARKSVILLE (327) - Project # TBD-6955-A - 6955 HE Bethany - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		LINE LINE 6959, BLOOMFIELD (204) TO EDWARDSPOUR GEN STA (218) - Project # TBD-6959-B - 6959 Newberry - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
156		LINE LINE 6960, EDWARDSPOUR GEN STA (218) TO OAKLAND CITY (242) - Project # M180002 - 6960 Pt 3 Rbld - Monroe City Jct - Petersburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		LINE LINE 6961, EDWARDSPOUR GEN STA (218) TO SULLIVAN (255) - Project # M200980 - Circuit 6961 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158		LINE LINE 6962, MOHAWK 138 (246) TO GREENFIELD (790) - Project # TBD-6962-A - 6962 Heritage Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		LINE LINE 6966, CARMEL 146TH ST (281) TO HOMEPLACE (430) - Project # TBD-6966-A - 6966 - 116 and Westfield SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-A - 6974 - Akron SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-B - 6974 - North Manchester Foundry SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
162		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # M180007 - 6975 Pt 3 Rbld - McKay Rd - Shelbyville South Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
163		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # combine into M180007 - 6975 Pt 3 Rbld - Shelbyville South Jct - HE Lewis Creek Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		LINE LINE 6976, SHELBYVILLE NORTHEAST (203) TO SHELBYVILLE NOBLE ST (615) TO PRESCOTT (230) - Project # M200081 - Circuit 6976 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
165		LINE LINE 6977, COLUMBUS (268) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-6977-A - 6977 Clifty Creek Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
166		LINE LINE 6986, WABASH (270) TO PERU SOUTHEAST (231) - Project # TBD-6986-A - 6986 Alloy Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		LINE LINE 6988, MIDDLEFORK (189) TO BURROWS (193) - Project # TBD-6988-A - 6988 Flora Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
168		LINE LINE 6989, WHITESTOWN 345 (198) TO CARMEL (425) - Project # M200079 - Circuit 6989 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		LINE LINE 6990, BLOOMINGTON ROGERS ST (205) TO BLOOMINGTON WEST (286) - Project # TBD-6990-A - 6990 Otis Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
170		LINE LINE 6993, MITCHELL LOST RIVER (298) TO HE CHAMBERSBURG - Project # TBD-6993-A - 6993 Paoli Indian Trails SW Repl_SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		LINE LINE 6998, BEDFORD (166) TO CENTRAL FOUNDRY (453) - Project # M180428 - Central Foundry Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		LINE LINE 6999, PLAINFIELD SOUTH (163) TO GREENWOOD NORTH (543) - Project # TBD 6999-C - 6999 Lenore Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		LINE LINE 69100, CENTERVILLE 138 (187) TO HAGERSTOWN (221) - Project # M180434 - 69100 Greensfork_HE Jacksonburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		LINE LINE 69102, GREENWOOD CLARK TOWNSHIP (279) TO HE KINDER - Project # TBD-69102-B - 69102 Bargersville Harrod Swi Add SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		LINE LINE 69116, CLINTON 230 (251) TO CLINTON ELI LILLY SOUTH (258) - Project # TBD-69116-A - 69116 Lilly North Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		LINE LINE 69117, CLINTON 230 (251) TO CLINTON ELI LILLY NORTH (258) - Project # TBD-69117-A - 69117 Lilly South Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		LINE LINE 69132, NORTH MANCHESTER SW STA (294) TO WABASH 138 (270) - Project # M200070 - Circuit 69132 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # M180094 - 69139 Rebuild Pt 2 - Poseyville Sub - Knox Co REMC Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # TBD-69139-D - 69139 Owensville Swi Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		LINE LINE 69146, COLUMBUS DENOIS CREEK (291) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-69146-B - 69146 Edinburgh Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
181		LINE LINE 69149, COLUMBUS DENOIS CREEK (291) TO HE WHITE CREEK - Project # TBD-69149-A - 69149 Walesboro - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LINE LINE 69154, CRAWFORDSVILLE (173) TO WHITESVILLE SOUTH (191) - Project # M170131 - 69154 Pt 2 Rebuild - Whitesville Sub - Advance Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
183		LINE LINE 69155, HORTONVILLE 345 (222) TO WHITESTOWN 345 (198) - Project # M200074 - Circuit 69155 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LINE 69165, FRANKLIN (178) TO GREENWOOD VALLE VISTA (758) - Project # TBD-69165-B - 69165 Rocklane Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-B - 69180 Pt 1 - Rblid - Arcadia 385 - Arcadia North 650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-D - 69180 Arcadia North SW Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		LINE 69188, LAFAYETTE 230KV (161) TO TIPMON REMC TETC 6 TO DELPHI WELLS (597) - Project # TBD-69188-B - 69188 Tipmont Lafayette JCT SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		LINE 69203, BEDFORD 345 (166) TO HE WILLIAMS - Project # TBD-69203-A - 69203 Williams SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		LINE 13831, BATESVILLE 345 (170) TO COLUMBUS 345 (268) - Project # M180438 - 13831 H.E. Westport #1 and #2 Switch Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		LINE 23008, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # M210314 - 23008 Tipton W-Cammack rd_Insul Repl and Anti-gallop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		LINE 23027, ATTICA 230 (160) TO VEEDERSBURG WEST 230KV (183) - Project # AMIN1322 - 23027 Insulator and galloping mit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		LINE 34507, GIBSON GEN STA (232) TO PETERSBURG (IP&L) (150.13) - Project # M200418 - 34507 Dead Ends Proj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
194		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Ribty Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
195		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
197		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
199		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave Conv 4kV contains D-Line Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Substation contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood Wd Sub Struct Rblid VCR Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		TERRE HAUTE EAST, STATION - Project # M180441 - Terre Haute East CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		VINCENNES, STATION - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		FRANKLIN 230, STATION - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		Saint Paul Northwest - Project # M200398 - Saint Paul Northwest New Sub contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
210		COLUMBIA COMMERCE PARK, STATION - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211		COLUMBIA COMMERCE PARK, STATION - Project # M210237 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		COLBURN, STATION - Project # M210238 - Colburn Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St Ring Bus_Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		AKRON, STATION - Project # M210398 - Akron Install RTU and 69kV Loop-Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		ROCKVILLE 138, STATION - Project # M180453 - Rockville 138 Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		NEW ALBANY CENTRAL, STATION - Project # M200123 - New Albany Central Add Volt Reg IVV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		Various Lines - Project # GLTTran23/GLTDist23 - GLT Pole Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
219		Various Lines - Project # GLTTran24/GLTDist24 - GLT Pole Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		Various Lines - Project # GLT25T - GLT Pole Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		Various Lines - Project # GLT26T - GLT Pole Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
222		Various Lines - Project # GLT27T - GLT Pole Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		Various Lines - Project # GLT28T - GLT Pole Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
224		Various Lines - Project # M210446 - GLT Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		Various Lines - Project # M210447 - GLT Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		Various Lines - Project # M210448 - GLT Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		Various Lines - Project # M210449 - GLT Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		Various Lines - Project # M210450 - GLT Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		Various Lines - Project # M210451 - GLT Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		Various Lines - Project # M210452 - Drone Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		Various Lines - Project # M210453 - Drone Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		Various Lines - Project # M210454 - Drone Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		Various Lines - Project # M210455 - Drone Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		Various Lines - Project # M210456 - Drone Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		Various Lines - Project # M210457 - Drone Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236		Various Lines - Project # XARM23T - Crossarm Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
237		Various Lines - Project # XARM24T - Crossarm Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
238		Various Lines - Project # XARM25T - Crossarm Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
239		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
240		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
241		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
242		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
243		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
244		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
245		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
246		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
247		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
248		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
249		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
250		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
251		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
252		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
253		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
254		DEI Distribution System Costs Associated with Transmission System Line Improvements	\$ 1,134,510	\$ 1,335,702	\$ 635,141	\$ 14,652	\$ 3,120,005	\$ 186,617	\$ 3,306,623	\$ 320,032	\$ 3,626,655
255		Total DEI T & D System Line Improvements	\$ 7,885,163	\$ 73,265,842	\$ 25,528,044	\$ 3,449,389	\$ 110,128,438	\$ 3,284,557	\$ 113,412,994	\$ 11,770,912	\$ 125,183,906

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Transmission System Line Capital Improvements											
6 Year Detailed Transmission System Line Improvements Summary By Year											
DEI Transmission System Line Improvements											
Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
1	DEI Transmission System Line Improvements										
2		LINE LINE 6901, DRESSER (216) TO SULLIVAN NORTH (723) - Project # M190306 - 6901 Rblid Pt1B - Dresser-Structure 802-1017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		LINE LINE 6903, BLOOMINGTON 230 (158) TO MARTINSVILLE (734) - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4		LINE LINE 6916, NOBLESVILLE GEN STA. (223) TO NOBLESVILLE FIRESTONE (673) - Project # M200077 - Circuit 6916 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		LINE LINE 6920, CONNERSVILLE (155) TO GREENSBURG 138KV (225) - Project # TIN1785 - 6920 Pt 2 Rebuild - Glenwood - Rushville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-A - 6921 Lagro Switching Sta Motor Operated switch Lincolnville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-B - 6921 Dallas Jct Motor Operated Swi Dallas United REMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8		LINE LINE 6922, WALTON 230 (185) TO GRISSOM AEROPLEX #4 (683) - Project # TBD-6922-A - 6922 Grissom AFB Jct Remote control of switch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # combined into M180041 - 6923 Pt 5 Rebuild - Huntington 138KV - Erie Stone Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6923-C - 6923 Pt 3 Rebuild - Huntington Goblesville Jct - United Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # M180035 - 6923 Pt 2 Rblid - Collamer Jct - N. Manchester	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12		LINE LINE 6926, LOGANSPOUT SW STA TO ROCHESTER (728) - Project # TIN1857-DL1 - 6926 Rblid Pt 1 - Metea_Lcrn TDSIC (Duke costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13		LINE LINE 6933, GREENCASTLE (152) TO WHITESVILLE SOUTH (191) - Project # M200312 - 6933 TDSIC Rblid Pt1 Gcst N-Mrtn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TIN1711 - 6935 TDSIC Rblid Pt3 Nwrtn-Atc230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # M200075 - Circuit 6935 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-F - 6935 Veedersburg SS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-G - 6935 Mountain Rd Swi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TIN1712 - 6936 TDSIC Rblid Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TBD-6936-E - 6936 Rebuild Tab Jct - Marshfield	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20		LINE LINE 6937, GREENSBURG WASHINGTON ST (319) TO PRESCOT (230) - Project # M200076 - Circuit 6937 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		LINE LINE 6940, CENTERTON (295) TO PLAINFIELD SOUTH (163) - Project # M180436 - 6940 Mooresville Jct. #1 & #2 SW Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-B - Danville Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-C - 6945 Prestwick REMC Motor operated Switch #2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		LINE LINE 6947, SHELBYVILLE NOBLE ST (615) TO NEW PALESTINE (349) - Project # TBD-6947-A - 6947 Fairland Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25		LINE LINE 6952, BEDFORD BOYD LN (274) TO PUMPKIN CENTER (199) - Project # M180003 - 6952 Pt 2 Rebuild - Brownstown SW Sta - Pumpkin Center Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26		LINE LINE 6954, SCOTTSBURG (249) TO SPEED (167) - Project # TIN2116 - 6954 Henryville Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27		LINE LINE 6955, SPEED (167) TO CLARKSVILLE (327) - Project # TBD-6955-A - 6955 HE Bethany - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		LINE LINE 6959, BLOOMFIELD (204) TO EDWARDSPOUT GEN STA (218) - Project # TBD-6959-B - 6959 Newberry - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29		LINE LINE 6960, EDWARDSPOUT GEN STA (218) TO OAKLAND CITY (242) - Project # M180002 - 6960 Pt 3 Rblid - Monroe City Jct - Petersburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30		LINE LINE 6961, EDWARDSPOUT GEN STA (218) TO SULLIVAN (255) - Project # M200980 - Circuit 6961 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31		LINE LINE 6962, MOHAWK 138 (246) TO GREENFIELD (790) - Project # TBD-6962-A - 6962 Heritage Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32		LINE LINE 6966, CARMEL 146TH ST (281) TO HOMEPLACE (430) - Project # TBD-6966-A - 6966 - 116 and Westfield SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-A - 6974 - Akron SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-B - 6974 - North Manchester Foundry SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # M180007 - 6975 Pt 3 Rblid - McKay Rd - Shelbyville South Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # combine into M180007 - 6975 Pt 3 Rblid - Shelbyville South Jct - HE Lewis Creek Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37		LINE LINE 6976, SHELBYVILLE NORTHEAST (203) TO SHELBYVILLE NOBLE ST (615) TO PRESCOTT (230) - Project # M200081 - Circuit 6976 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		LINE LINE 6977, COLUMBUS (268) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-6977-A - 6977 Clifty Creek Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39		LINE LINE 6986, WABASH (270) TO PERU SOUTHEAST (231) - Project # TBD-6986-A - 6986 Alloy Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		LINE LINE 6988, MIDDLEFORK (189) TO BURROWS (193) - Project # TBD-6988-A - 6988 Flora Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		LINE LINE 6989, WHITESTOWN 345 (198) TO CARMEL (425) - Project # M200079 - Circuit 6989 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		LINE LINE 6990, BLOOMINGTON ROGERS ST (205) TO BLOOMINGTON WEST (286) - Project # TBD-6990-A - 6990 Otis Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		LINE LINE 6993, MITCHELL LOST RIVER (298) TO HE CHAMBERSBURG - Project # TBD-6993-A - 6993 Paoli Indian Trails SW Repl_SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		LINE LINE 6998, BEDFORD (166) TO CENTRAL FOUNDRY (453) - Project # M180428 - Central Foundry Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45		LINE LINE 6999, PLAINFIELD SOUTH (163) TO GREENWOOD NORTH (543) - Project # TBD 6999-C - 6999 Lenore Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46		LINE LINE 69100, CENTERVILLE 138 (187) TO HAGERSTOWN (221) - Project # M180434 - 69100 Greensfork_HE Jacksonburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47		LINE LINE 69102, GREENWOOD CLARK TOWNSHIP (279) TO HE KINDER - Project # TBD-69102-B - 69102 Bargersville Harrod Swi Add SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		LINE LINE 69116, CLINTON 230 (251) TO CLINTON ELI LILLY SOUTH (258) - Project # TBD-69116-A - 69116 Lilly North Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		LINE LINE 69117, CLINTON 230 (251) TO CLINTON ELI LILLY NORTH (258) - Project # TBD-69117-A - 69117 Lilly South Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		LINE LINE 69132, NORTH MANCHESTER SW STA (294) TO WABASH 138 (270) - Project # M200070 - Circuit 69132 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # M180094 - 69139 Rebuild Pt 2 - Poseyville Sub - Knox Co REMC Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # TBD-69139-D - 69139 Owensville Swi Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53		LINE LINE 69146, COLUMBUS DENOIS CREEK (291) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-69146-B - 69146 Edinburg Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		LINE LINE 69149, COLUMBUS DENOIS CREEK (291) TO HE WHITE CREEK - Project # TBD-69149-A - 69149 Walesboro - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
55		LINE LINE 69154, CRAWFORDSVILLE (173) TO WHITESVILLE SOUTH (191) - Project # M170131 - 69154 Pt 2 Rebuild - Whitesville Sub - Advance Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56		LINE LINE 69155, HORTONVILLE 345 (222) TO WHITESTOWN 345 (198) - Project # M200074 - Circuit 69155 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57		LINE 69165, FRANKLIN (178) TO GREENWOOD VALLE VISTA (758) - Project # TBD-69165-B - 69165 Rocklane Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-B - 69180 Pt 1 - Rblld - Arcadia 385 - Arcadia North 650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-D - 69180 Arcadia North SW Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60		LINE 69188, LAFAYETTE 230KV (161) TO TIPMON REMC TETC 6 TO DELPHI WELLS (597) - Project # TBD-69188-B - 69188 Tipmont Lafayette JCT SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61		LINE 69203, BEDFORD 345 (166) TO HE WILLIAMS - Project # TBD-69203-A - 69203 Williams SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62		LINE 13831, BATESVILLE 345 (170) TO COLUMBUS 345 (268) - Project # M180438 - 13831 H.E. Westport #1 and #2 Switch Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63		LINE 23008, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # M210314 - 23008 Tipton W-Cammack rd_Insul Repl and Anti-gallop						\$ -		\$ -	
64		LINE 23027, ATTICA 230 (160) TO VEEDERSBURG WEST 230KV (183) - Project # AMIN1322 - 23027 Insulator and galloping mit						\$ -		\$ -	
65		LINE 34507, GIBSON GEN STA (232) TO PETERSBURG (IP&L) (150.13) - Project # M200418 - 34507 Dead Ends Proj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
66		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Ribty Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kv CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
69		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
71		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
72		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave Conv 4kV contains D-Line Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
76		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Substation contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
77		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood Wd Sub Struct Rblld VCR Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
79		TERRE HAUTE EAST, STATION - Project # M180441 - Terre Haute East CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80		VINCENNES, STATION - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81		FRANKLIN 230, STATION - Project # M200203 - Franklin 230 230kv Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82		Saint Paul Northwest - Project # M200398 - Saint Paul Northwest New Sub contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83		COLUMBIA COMMERCE PARK, STATION - Project # M210129 - COL Commerce Park 69kv Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84		COLUMBIA COMMERCE PARK, STATION - Project # M210237 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85		COLBURN, STATION - Project # M210238 - Colburn Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St Ring Bus_Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87		AKRON, STATION - Project # M210398 - Akron Install RTU and 69kv Loop-Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88		ROCKVILLE 138, STATION - Project # M180453 - Rockville 138 Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89		NEW ALBANY CENTRAL, STATION - Project # M200123 - New Albany Central Add Volt Reg IVV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91		Various Lines - Project # GLTTran23/GLTDist23 - GLT Pole Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92		Various Lines - Project # GLTTran24/GLTDist24 - GLT Pole Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93		Various Lines - Project # GLT25T - GLT Pole Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94		Various Lines - Project # GLT26T - GLT Pole Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95		Various Lines - Project # GLT27T - GLT Pole Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96		Various Lines - Project # GLT28T - GLT Pole Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97		Various Lines - Project # M210446 - GLT Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98		Various Lines - Project # M210447 - GLT Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99		Various Lines - Project # M210448 - GLT Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100		Various Lines - Project # M210449 - GLT Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101		Various Lines - Project # M210450 - GLT Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102		Various Lines - Project # M210451 - GLT Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103		Various Lines - Project # M210452 - Drone Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104		Various Lines - Project # M210453 - Drone Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105		Various Lines - Project # M210454 - Drone Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
106		Various Lines - Project # M210455 - Drone Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
107		Various Lines - Project # M210456 - Drone Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
108		Various Lines - Project # M210457 - Drone Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
109		Various Lines - Project # XARM23T - Crossarm Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110		Various Lines - Project # XARM24T - Crossarm Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111		Various Lines - Project # XARM25T - Crossarm Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
112		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
118		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
119		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
120		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
121		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
123		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
124		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
125		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
126		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
127	Total DEI Transmission System Line Improvements		\$ 4,730,528	\$ 57,755,763	\$ 20,686,112	\$ 2,465,910	\$ 85,638,312	\$ 7,895,606	\$ 93,533,918	\$ 9,561,994	\$ 103,095,912

Distribution System Costs Associated with Transmission Line Improvements											
Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
128	DEI Distribution System Costs Associated with Transmission System Line Improvements										
129		LINE LINE 6901, DRESSER (216) TO SULLIVAN NORTH (723) - Project # M190306 - 6901 Rbld Pt1B - Dresser-Structure 802-1017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		LINE LINE 6903, BLOOMINGTON 230 (158) TO MARTINSVILLE (734) - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		LINE LINE 6916, NOBLESVILLE GEN STA. (223) TO NOBLESVILLE FIRESTONE (673) - Project # M200077 - Circuit 6916 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		LINE LINE 6920, CONNERSVILLE (155) TO GREENSBURG 138KV (225) - Project # TIN1785 - 6920 Pt 2 Rebuild - Glenwood - Rushville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
133		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-A - 6921 Lagro Switching Sta Motor Operated switch Lincolnville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-B - 6921 Dallas Jct Motor Operated Swi Dallas United REMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
135		LINE LINE 6922, WALTON 230 (185) TO GRISSOM AEROPLEX #4 (683) - Project # TBD-6922-A - 6922 Grissom AFB Jct Remote control of switch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
136		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # combined into M180041 - 6923 Pt 5 Rebuild - Huntington 138KV - Erie Stone Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6923-C - 6923 Pt 3 Rebuild - Huntington Goblesville Jct - United Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # M180035 - 6923 Pt 2 Rbld - Collamer Jct - N. Manchester	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		LINE LINE 6926, LOGANSPOUR SW STA TO ROCHESTER (728) - Project # TIN1857-DL1 - 6926 Rbld Pt 1 - Metea_Lcm TDSIC (Duke costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		LINE LINE 6933, GREENCASTLE (152) TO WHITESVILLE SOUTH (191) - Project # M200312 - 6933 TDSIC Rbld Pt1 Gest N-Mrtn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TIN1711 - 6935 TDSIC Rbld Pt3 Nwrtn-Atc230									
142		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # M200075 - Circuit 6935 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-F - 6935 Veedersburg SS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-G - 6935 Mountain Rd Swi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
146		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TBD-6936-E - 6936 Rebuild Tab Jct - Marshfield	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
147		LINE LINE 6937, GREENSBURG WASHINGTON ST (319) TO PRESCOT (230) - Project # M200076 - Circuit 6937 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		LINE LINE 6940, CENTERTON (295) TO PLAINFIELD SOUTH (163) - Project # M180436 - 6940 Mooresville Jct. #1 & #2 SW Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
149		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-B - Danville Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
150		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-C - 6945 Prestwick REMC Motor operated Switch #2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		LINE LINE 6947, SHELBYVILLE NOBLE ST (615) TO NEW PALESTINE (349) - Project # TBD-6947-A - 6947 Fairland Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152		LINE LINE 6952, BEDFORD BOYD LN (274) TO PUMPKIN CENTER (199) - Project # M180003 - 6952 Pt 2 Rebuild - Brownstown SW Sta - Pumpkin Center Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		LINE LINE 6954, SCOTTSBURG (249) TO SPEED (167) - Project # TIN2116 - 6954 Henryville Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		LINE LINE 6955, SPEED (167) TO CLARKSVILLE (327) - Project # TBD-6955-A - 6955 HE Bethany - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		LINE LINE 6959, BLOOMFIELD (204) TO EDWARDSPOUR GEN STA (218) - Project # TBD-6959-B - 6959 Newberry - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
156		LINE LINE 6960, EDWARDSPOUR GEN STA (218) TO OAKLAND CITY (242) - Project # M180002 - 6960 Pt 3 Rbld - Monroe City Jct - Petersburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		LINE LINE 6961, EDWARDSPOUR GEN STA (218) TO SULLIVAN (255) - Project # M200980 - Circuit 6961 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158		LINE LINE 6962, MOHAWK 138 (246) TO GREENFIELD (790) - Project # TBD-6962-A - 6962 Heritage Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		LINE LINE 6966, CARMEL 146TH ST (281) TO HOMEPLACE (430) - Project # TBD-6966-A - 6966 - 116 and Westfield SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-A - 6974 - Akron SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-B - 6974 - North Manchester Foundry SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
162		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # M180007 - 6975 Pt 3 Rbld - McKay Rd - Shelbyville South Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
163		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # combine into M180007 - 6975 Pt 3 Rbld - Shelbyville South Jct - HE Lewis Creek Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		LINE LINE 6976, SHELBYVILLE NORTHEAST (203) TO SHELBYVILLE NOBLE ST (615) TO PRESCOTT (230) - Project # M200081 - Circuit 6976 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
165		LINE LINE 6977, COLUMBUS (268) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-6977-A - 6977 Clifty Creek Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
166		LINE LINE 6986, WABASH (270) TO PERU SOUTHEAST (231) - Project # TBD-6986-A - 6986 Alloy Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		LINE LINE 6988, MIDDLEFORK (189) TO BURROWS (193) - Project # TBD-6988-A - 6988 Flora Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
168		LINE LINE 6989, WHITESTOWN 345 (198) TO CARMEL (425) - Project # M200079 - Circuit 6989 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		LINE LINE 6990, BLOOMINGTON ROGERS ST (205) TO BLOOMINGTON WEST (286) - Project # TBD-6990-A - 6990 Otis Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
170		LINE LINE 6993, MITCHELL LOST RIVER (298) TO HE CHAMBERSBURG - Project # TBD-6993-A - 6993 Paoli Indian Trails SW Repl_SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		LINE LINE 6998, BEDFORD (166) TO CENTRAL FOUNDRY (453) - Project # M180428 - Central Foundry Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		LINE LINE 6999, PLAINFIELD SOUTH (163) TO GREENWOOD NORTH (543) - Project # TBD 6999-C - 6999 Lenore Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		LINE LINE 69100, CENTERVILLE 138 (187) TO HAGERSTOWN (221) - Project # M180434 - 69100 Greensfork_HE Jacksonburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		LINE LINE 69102, GREENWOOD CLARK TOWNSHIP (279) TO HE KINDER - Project # TBD-69102-B - 69102 Bargersville Harrod Swi Add SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		LINE LINE 69116, CLINTON 230 (251) TO CLINTON ELI LILLY SOUTH (258) - Project # TBD-69116-A - 69116 Lilly North Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		LINE LINE 69117, CLINTON 230 (251) TO CLINTON ELI LILLY NORTH (258) - Project # TBD-69117-A - 69117 Lilly South Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		LINE LINE 69132, NORTH MANCHESTER SW STA (294) TO WABASH 138 (270) - Project # M200070 - Circuit 69132 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # M180094 - 69139 Rebuild Pt 2 - Poseyville Sub - Knox Co REMC Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # TBD-69139-D - 69139 Owensville Swi Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		LINE LINE 69146, COLUMBUS DENOIS CREEK (291) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-69146-B - 69146 Edinburgh Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
181		LINE LINE 69149, COLUMBUS DENOIS CREEK (291) TO HE WHITE CREEK - Project # TBD-69149-A - 69149 Walesboro - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LINE LINE 69154, CRAWFORDSVILLE (173) TO WHITESVILLE SOUTH (191) - Project # M170131 - 69154 Pt 2 Rebuild - Whitesville Sub - Advance Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
183		LINE LINE 69155, HORTONVILLE 345 (222) TO WHITESTOWN 345 (198) - Project # M200074 - Circuit 69155 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LINE 69165, FRANKLIN (178) TO GREENWOOD VALLE VISTA (758) - Project # TBD-69165-B - 69165 Rocklane Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-B - 69180 Pt 1 - Rblid - Arcadia 385 - Arcadia North 650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-D - 69180 Arcadia North SW Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		LINE 69188, LAFAYETTE 230KV (161) TO TIPMON REMC TETC 6 TO DELPHI WELLS (597) - Project # TBD-69188-B - 69188 Tipmont Lafayette JCT SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		LINE 69203, BEDFORD 345 (166) TO HE WILLIAMS - Project # TBD-69203-A - 69203 Williams SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		LINE 13831, BATESVILLE 345 (170) TO COLUMBUS 345 (268) - Project # M180438 - 13831 H.E. Westport #1 and #2 Switch Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		LINE 23008, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # M210314 - 23008 Tipton W-Cammack rd_Insul Repl and Anti-gallop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		LINE 23027, ATTICA 230 (160) TO VEEDERSBURG WEST 230KV (183) - Project # AMIN1322 - 23027 Insulator and galloping mit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		LINE 34507, GIBSON GEN STA (232) TO PETERSBURG (IP&L) (150.13) - Project # M200418 - 34507 Dead Ends Proj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
194		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Ribty Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
195		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
197		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
199		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave Conv 4kV contains D-Line Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Substation contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood Wd Sub Struct Rblid VCR Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		TERRE HAUTE EAST, STATION - Project # M180441 - Terre Haute East CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		VINCENNES, STATION - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		FRANKLIN 230, STATION - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		Saint Paul Northwest - Project # M200398 - Saint Paul Northwest New Sub contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
210		COLUMBIA COMMERCE PARK, STATION - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211		COLUMBIA COMMERCE PARK, STATION - Project # M210237 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		COLBURN, STATION - Project # M210238 - Colburn Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St Ring Bus_Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		AKRON, STATION - Project # M210398 - Akron Install RTU and 69kV Loop-Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		ROCKVILLE 138, STATION - Project # M180453 - Rockville 138 Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		NEW ALBANY CENTRAL, STATION - Project # M200123 - New Albany Central Add Volt Reg IVV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		Various Lines - Project # GLTTran23/GLTDist23 - GLT Pole Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
219		Various Lines - Project # GLTTran24/GLTDist24 - GLT Pole Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		Various Lines - Project # GLT25T - GLT Pole Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		Various Lines - Project # GLT26T - GLT Pole Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
222		Various Lines - Project # GLT27T - GLT Pole Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		Various Lines - Project # GLT28T - GLT Pole Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
224		Various Lines - Project # M210446 - GLT Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		Various Lines - Project # M210447 - GLT Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		Various Lines - Project # M210448 - GLT Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		Various Lines - Project # M210449 - GLT Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		Various Lines - Project # M210450 - GLT Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		Various Lines - Project # M210451 - GLT Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		Various Lines - Project # M210452 - Drone Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		Various Lines - Project # M210453 - Drone Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		Various Lines - Project # M210454 - Drone Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		Various Lines - Project # M210455 - Drone Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		Various Lines - Project # M210456 - Drone Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		Various Lines - Project # M210457 - Drone Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236		Various Lines - Project # XARM23T - Crossarm Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
237		Various Lines - Project # XARM24T - Crossarm Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
238		Various Lines - Project # XARM25T - Crossarm Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
239		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
240		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
241		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
242		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
243		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
244		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
245		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
246		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
247		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
248		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
249		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
250		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
251		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
252		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
253		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
254		DEI Distribution System Costs Associated with Transmission System Line Improvements	\$ 537,204	\$ 1,278,003	\$ 570,525	\$ 58,215	\$ 2,443,947	\$ 172,370	\$ 2,616,317	\$ 336,753	\$ 2,953,070
255		Total DEI T & D System Line Improvements	\$5,267,732	\$59,033,766	\$21,256,636	\$2,524,125	\$88,082,259	\$8,067,976	\$96,150,235	\$9,898,748	\$106,048,982

Duke Energy Indiana - T & D Infrastructure Improvement Plan, Transmission System Line Capital Improvements
6 Year Detailed Transmission System Line Improvements Summary By Year
DEI Transmission System Line Improvements

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	8 AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
1	DEI Transmission System Line Improvements										
2		LINE LINE 6901, DRESSER (216) TO SULLIVAN NORTH (723) - Project # M190306 - 6901 Rblid Pt1B - Dresser-Structure 802-1017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3		LINE LINE 6903, BLOOMINGTON 230 (158) TO MARTINSVILLE (734) - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4		LINE LINE 6916, NOBLESVILLE GEN STA. (223) TO NOBLESVILLE FIRESTONE (673) - Project # M200077 - Circuit 6916 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5		LINE LINE 6920, CONNERSVILLE (155) TO GREENSBURG 138KV (225) - Project # TIN1785 - 6920 Pt 2 Rebuild - Glenwood - Rushville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-A - 6921 Lagro Switching Sta Motor Operated switch Lincolnville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-B - 6921 Dallas Jct Motor Operated Swi Dallas United REMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8		LINE LINE 6922, WALTON 230 (185) TO GRISSOM AEROPLEX #4 (683) - Project # TBD-6922-A - 6922 Grissom AFB Jct Remote control of switch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # combined into M180041 - 6923 Pt 5 Rebuild - Huntington 138KV - Erie Stone Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6923-C - 6923 Pt 3 Rebuild - Huntington Goblesville Jct - United Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # M180035 - 6923 Pt 2 Rblid - Collamer Jct - N. Manchester	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12		LINE LINE 6926, LOGANSPOUT SW STA TO ROCHESTER (728) - Project # TIN1857-DL1 - 6926 Rblid Pt 1 - Metea_Lcrn TDSIC (Duke costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13		LINE LINE 6933, GREENCASTLE (152) TO WHITESVILLE SOUTH (191) - Project # M200312 - 6933 TDSIC Rblid Pt1 Gcst N-Mrtn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TIN1711 - 6935 TDSIC Rblid Pt3 Nwrtn-Atc230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # M200075 - Circuit 6935 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-F - 6935 Veedersburg SS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-G - 6935 Mountain Rd Swi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TIN1712 - 6936 TDSIC Rblid Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TBD-6936-E - 6936 Rebuild Tab Jct - Marshfield	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20		LINE LINE 6937, GREENSBURG WASHINGTON ST (319) TO PRESCOT (230) - Project # M200076 - Circuit 6937 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21		LINE LINE 6940, CENTERTON (295) TO PLAINFIELD SOUTH (163) - Project # M180436 - 6940 Mooresville Jct. #1 & #2 SW Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-B - Danville Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-C - 6945 Prestwick REMC Motor operated Switch #2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24		LINE LINE 6947, SHELBYVILLE NOBLE ST (615) TO NEW PALESTINE (349) - Project # TBD-6947-A - 6947 Fairland Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25		LINE LINE 6952, BEDFORD BOYD LN (274) TO PUMPKIN CENTER (199) - Project # M180003 - 6952 Pt 2 Rebuild - Brownstown SW Sta - Pumpkin Center Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26		LINE LINE 6954, SCOTTSBURG (249) TO SPEED (167) - Project # TIN2116 - 6954 Henryville Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27		LINE LINE 6955, SPEED (167) TO CLARKSVILLE (327) - Project # TBD-6955-A - 6955 HE Bethany - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28		LINE LINE 6959, BLOOMFIELD (204) TO EDWARDSPOUT GEN STA (218) - Project # TBD-6959-B - 6959 Newberry - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29		LINE LINE 6960, EDWARDSPOUT GEN STA (218) TO OAKLAND CITY (242) - Project # M180002 - 6960 Pt 3 Rblid - Monroe City Jct - Petersburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30		LINE LINE 6961, EDWARDSPOUT GEN STA (218) TO SULLIVAN (255) - Project # M200980 - Circuit 6961 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31		LINE LINE 6962, MOHAWK 138 (246) TO GREENFIELD (790) - Project # TBD-6962-A - 6962 Heritage Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32		LINE LINE 6966, CARMEL 146TH ST (281) TO HOMEPLACE (430) - Project # TBD-6966-A - 6966 - 116 and Westfield SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-A - 6974 - Akron SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-B - 6974 - North Manchester Foundry SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # M180007 - 6975 Pt 3 Rblid - McKay Rd - Shelbyville South Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # combine into M180007 - 6975 Pt 3 Rblid - Shelbyville South Jct - HE Lewis Creek Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37		LINE LINE 6976, SHELBYVILLE NORTHEAST (203) TO SHELBYVILLE NOBLE ST (615) TO PRESCOTT (230) - Project # M200081 - Circuit 6976 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38		LINE LINE 6977, COLUMBUS (268) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-6977-A - 6977 Clifty Creek Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39		LINE LINE 6986, WABASH (270) TO PERU SOUTHEAST (231) - Project # TBD-6986-A - 6986 Alloy Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40		LINE LINE 6988, MIDDLEFORK (189) TO BURROWS (193) - Project # TBD-6988-A - 6988 Flora Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41		LINE LINE 6989, WHITESTOWN 345 (198) TO CARMEL (425) - Project # M200079 - Circuit 6989 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		LINE LINE 6990, BLOOMINGTON ROGERS ST (205) TO BLOOMINGTON WEST (286) - Project # TBD-6990-A - 6990 Otis Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43		LINE LINE 6993, MITCHELL LOST RIVER (298) TO HE CHAMBERSBURG - Project # TBD-6993-A - 6993 Paoli Indian Trails SW Repl_SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44		LINE LINE 6998, BEDFORD (166) TO CENTRAL FOUNDRY (453) - Project # M180428 - Central Foundry Rlby Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45		LINE LINE 6999, PLAINFIELD SOUTH (163) TO GREENWOOD NORTH (543) - Project # TBD 6999-C - 6999 Lenore Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
46		LINE LINE 69100, CENTERVILLE 138 (187) TO HAGERSTOWN (221) - Project # M180434 - 69100 Greensfork_HE Jacksonburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47		LINE LINE 69102, GREENWOOD CLARK TOWNSHIP (279) TO HE KINDER - Project # TBD-69102-B - 69102 Bargersville Harrod Swi Add SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48		LINE LINE 69116, CLINTON 230 (251) TO CLINTON ELI LILLY SOUTH (258) - Project # TBD-69116-A - 69116 Lilly North Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49		LINE LINE 69117, CLINTON 230 (251) TO CLINTON ELI LILLY NORTH (258) - Project # TBD-69117-A - 69117 Lilly South Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50		LINE LINE 69132, NORTH MANCHESTER SW STA (294) TO WABASH 138 (270) - Project # M200070 - Circuit 69132 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # M180094 - 69139 Rebuild Pt 2 - Poseyville Sub - Knox Co REMC Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # TBD-69139-D - 69139 Owensville Swi Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53		LINE LINE 69146, COLUMBUS DENOIS CREEK (291) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-69146-B - 69146 Edinburgh Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54		LINE LINE 69149, COLUMBUS DENOIS CREEK (291) TO HE WHITE CREEK - Project # TBD-69149-A - 69149 Walesboro - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	8 Total Project
55		LINE LINE 69154, CRAWFORDSVILLE (173) TO WHITESVILLE SOUTH (191) - Project # M170131 - 69154 Pt 2 Rebuild - Whitesville Sub - Advance Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56		LINE LINE 69155, HORTONVILLE 345 (222) TO WHITESTOWN 345 (198) - Project # M200074 - Circuit 69155 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57		LINE 69165, FRANKLIN (178) TO GREENWOOD VALLE VISTA (758) - Project # TBD-69165-B - 69165 Rocklane Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-B - 69180 Pt 1 - Rblid - Arcadia 385 - Arcadia North 650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-D - 69180 Arcadia North SW Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60		LINE 69188, LAFAYETTE 230KV (161) TO TIPMON REMC TETC 6 TO DELPHI WELLS (597) - Project # TBD-69188-B - 69188 Tipmont Lafayette JCT SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61		LINE 69203, BEDFORD 345 (166) TO HE WILLIAMS - Project # TBD-69203-A - 69203 Williams SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62		LINE 13831, BATESVILLE 345 (170) TO COLUMBUS 345 (268) - Project # M180438 - 13831 H.E. Westport #1 and #2 Switch Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
63		LINE 23008, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # M210314 - 23008 Tipton W-Cammack rd_Insul Repl and Anti-gallop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
64		LINE 23027, ATTICA 230 (160) TO VEEDERSBURG WEST 230KV (183) - Project # AMIN1322 - 23027 Insulator and galloping mit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
65		LINE 34507, GIBSON GEN STA (232) TO PETERSBURG (IP&L) (150.13) - Project # M200418 - 34507 Dead Ends Proj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
66		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Ribty Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
68		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kv CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
69		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
70		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
71		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
72		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
73		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
74		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave Conv 4KV contains D-Line Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
75		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
76		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Substation contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
77		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood Wd Sub Struct Rblid VCR Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
78		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
79		TERRE HAUTE EAST, STATION - Project # M180441 - Terre Haute East CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
80		VINCENNES, STATION - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
81		FRANKLIN 230, STATION - Project # M200203 - Franklin 230 230kv Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
82		Saint Paul Northwest - Project # M200398 - Saint Paul Northwest New Sub contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
83		COLUMBIA COMMERCE PARK, STATION - Project # M210129 - COL Commerce Park 69kv Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
84		COLUMBIA COMMERCE PARK, STATION - Project # M210237 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
85		COLBURN, STATION - Project # M210238 - Colburn Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
86		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St Ring Bus_Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
87		AKRON, STATION - Project # M210398 - Akron Install RTU and 69kv Loop-Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
88		ROCKVILLE 138, STATION - Project # M180453 - Rockville 138 Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
89		NEW ALBANY CENTRAL, STATION - Project # M200123 - New Albany Central Add Volt Reg IVV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
90		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
91		Various Lines - Project # GLTTran23/GLTdist23 - GLT Pole Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
92		Various Lines - Project # GLTTran24/GLTdist24 - GLT Pole Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
93		Various Lines - Project # GLT25T - GLT Pole Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
94		Various Lines - Project # GLT26T - GLT Pole Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
95		Various Lines - Project # GLT27T - GLT Pole Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96		Various Lines - Project # GLT28T - GLT Pole Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
97		Various Lines - Project # M210446 - GLT Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
98		Various Lines - Project # M210447 - GLT Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
99		Various Lines - Project # M210448 - GLT Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
100		Various Lines - Project # M210449 - GLT Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101		Various Lines - Project # M210450 - GLT Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
102		Various Lines - Project # M210451 - GLT Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
103		Various Lines - Project # M210452 - Drone Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
104		Various Lines - Project # M210453 - Drone Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
105		Various Lines - Project # M210454 - Drone Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
106		Various Lines - Project # M210455 - Drone Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
107		Various Lines - Project # M210456 - Drone Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
108		Various Lines - Project # M210457 - Drone Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
109		Various Lines - Project # XARM23T - Crossarm Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
110		Various Lines - Project # XARM24T - Crossarm Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
111		Various Lines - Project # XARM25T - Crossarm Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
112		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
113		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
114		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
115		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
116		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
117		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
118		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
119		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
120		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
121		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
122		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
123		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
124		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
125		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
126		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
127	Total DEI Transmission System Line Improvements		\$ 1,225,822	\$ 47,830,418	\$ 16,235,784	\$ 1,730,930	\$ 67,022,954	\$ 2,388,862	\$ 66,911,816	\$ 6,575,512	\$ 73,487,328

Distribution System Costs Associated with Transmission Line Improvements											
Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
128	DEI Distribution System Costs Associated with Transmission System Line Improvements										
129		LINE LINE 6901, DRESSER (216) TO SULLIVAN NORTH (723) - Project # M190306 - 6901 Rbld Pt1B - Dresser-Structure 802-1017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
130		LINE LINE 6903, BLOOMINGTON 230 (158) TO MARTINSVILLE (734) - Project # M180433 - 6903 Martinsville SE Jct Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
131		LINE LINE 6916, NOBLESVILLE GEN STA. (223) TO NOBLESVILLE FIRESTONE (673) - Project # M200077 - Circuit 6916 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
132		LINE LINE 6920, CONNERSVILLE (155) TO GREENSBURG 138KV (225) - Project # TIN1785 - 6920 Pt 2 Rebuild - Glenwood - Rushville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
133		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-A - 6921 Lagro Switching Sta Motor Operated switch Lincolnville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
134		LINE LINE 6921, HUNTINGTON RIVERFORK (423) TO WABASH 138 (270) - Project # TBD-6921-B - 6921 Dallas Jct Motor Operated Swi Dallas United REMC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
135		LINE LINE 6922, WALTON 230 (185) TO GRISSOM AEROPLEX #4 (683) - Project # TBD-6922-A - 6922 Grissom AFB Jct Remote control of switch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
136		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # combined into M180041 - 6923 Pt 5 Rebuild - Huntington 138KV - Erie Stone Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
137		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6923-C - 6923 Pt 3 Rebuild - Huntington Goblesville Jct - United Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
138		LINE LINE 6923, HUNTINGTON 138 (164) TO NORTH MANCHESTER SW STA (294) - Project # M180035 - 6923 Pt 2 Rbld - Collamer Jct - N. Manchester	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
139		LINE LINE 6926, LOGANSPOUT SW STA TO ROCHESTER (728) - Project # TIN1857-DL1 - 6926 Rbld Pt 1 - Metea_Lcm TDSIC (Duke costs)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
140		LINE LINE 6933, GREENCASTLE (152) TO WHITESVILLE SOUTH (191) - Project # M200312 - 6933 TDSIC Rbld Pt1 Gest N-Mrtn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
141		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TIN1711 - 6935 TDSIC Rbld Pt3 Nwrtn-Atc230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
142		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # M200075 - Circuit 6935 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
143		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-F - 6935 Veedersburg SS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
144		LINE LINE 6935, ATTICA 230 (160) TO KINGMAN (379) TO PARK CO. REMC SYLVANIA - Project # TBD-6935-G - 6935 Mountain Rd Swi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
145		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TIN1712 - 6936 TDSIC Rbld Pt3 Atc69-230	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
146		LINE LINE 6936, ATTICA 230 (160) TO COVINGTON FLEXEL SW STA (153) - Project # TBD-6936-E - 6936 Rebuild Tab Jct - Marshfield	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
147		LINE LINE 6937, GREENSBURG WASHINGTON ST (319) TO PRESCOT (230) - Project # M200076 - Circuit 6937 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
148		LINE LINE 6940, CENTERTON (295) TO PLAINFIELD SOUTH (163) - Project # M180436 - 6940 Mooresville Jct. #1 & #2 SW Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
149		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-B - Danville Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
150		LINE LINE 6945, DANVILLE (362) TO PLAINFIELD 69KV (539) - Project # TBD-6945-C - 6945 Prestwick REMC Motor operated Switch #2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
151		LINE LINE 6947, SHELBYVILLE NOBLE ST (615) TO NEW PALESTINE (349) - Project # TBD-6947-A - 6947 Fairland Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
152		LINE LINE 6952, BEDFORD BOYD LN (274) TO PUMPKIN CENTER (199) - Project # M180003 - 6952 Pt 2 Rebuild - Brownstown SW Sta - Pumpkin Center Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
153		LINE LINE 6954, SCOTTSBURG (249) TO SPEED (167) - Project # TIN2116 - 6954 Henryville Swi Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
154		LINE LINE 6955, SPEED (167) TO CLARKSVILLE (327) - Project # TBD-6955-A - 6955 HE Bethany - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
155		LINE LINE 6959, BLOOMFIELD (204) TO EDWARDSPOUT GEN STA (218) - Project # TBD-6959-B - 6959 Newberry - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
156		LINE LINE 6960, EDWARDSPOUT GEN STA (218) TO OAKLAND CITY (242) - Project # M180002 - 6960 Pt 3 Rbld - Monroe City Jct - Petersburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
157		LINE LINE 6961, EDWARDSPOUT GEN STA (218) TO SULLIVAN (255) - Project # M200980 - Circuit 6961 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
158		LINE LINE 6962, MOHAWK 138 (246) TO GREENFIELD (790) - Project # TBD-6962-A - 6962 Heritage Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
159		LINE LINE 6966, CARMEL 146TH ST (281) TO HOMEPLACE (430) - Project # TBD-6966-A - 6966 - 116 and Westfield SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
160		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-A - 6974 - Akron SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161		LINE LINE 6974, DEEDSVILLE 345 (245) TO NORTH MANCHESTER SW STA (294) - Project # TBD-6974-B - 6974 - North Manchester Foundry SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
162		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # M180007 - 6975 Pt 3 Rbld - McKay Rd - Shelbyville South Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
163		LINE LINE 6975, COLUMBUS NORTH (256) TO SHELBYVILLE SOUTHWEST (180) - Project # combine into M180007 - 6975 Pt 3 Rbld - Shelbyville South Jct - HE Lewis Creek Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
164		LINE LINE 6976, SHELBYVILLE NORTHEAST (203) TO SHELBYVILLE NOBLE ST (615) TO PRESCOTT (230) - Project # M200081 - Circuit 6976 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Capital Additions and O&M	Retirements	Total Project
165		LINE LINE 6977, COLUMBUS (268) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-6977-A - 6977 Clifty Creek Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
166		LINE LINE 6986, WABASH (270) TO PERU SOUTHEAST (231) - Project # TBD-6986-A - 6986 Alloy Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
167		LINE LINE 6988, MIDDLEFORK (189) TO BURROWS (193) - Project # TBD-6988-A - 6988 Flora Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
168		LINE LINE 6989, WHITESTOWN 345 (198) TO CARMEL (425) - Project # M200079 - Circuit 6989 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
169		LINE LINE 6990, BLOOMINGTON ROGERS ST (205) TO BLOOMINGTON WEST (286) - Project # TBD-6990-A - 6990 Otis Jct SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
170		LINE LINE 6993, MITCHELL LOST RIVER (298) TO HE CHAMBERSBURG - Project # TBD-6993-A - 6993 Paoli Indian Trails SW Repl_SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171		LINE LINE 6998, BEDFORD (166) TO CENTRAL FOUNDRY (453) - Project # M180428 - Central Foundry Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
172		LINE LINE 6999, PLAINFIELD SOUTH (163) TO GREENWOOD NORTH (543) - Project # TBD 6999-C - 6999 Lenore Jct Swi Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
173		LINE LINE 69100, CENTERVILLE 138 (187) TO HAGERSTOWN (221) - Project # M180434 - 69100 Greensfork_HE Jacksonburg Jct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
174		LINE LINE 69102, GREENWOOD CLARK TOWNSHIP (279) TO HE KINDER - Project # TBD-69102-B - 69102 Bargersville Harrod Swi Add SCADA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
175		LINE LINE 69116, CLINTON 230 (251) TO CLINTON ELI LILLY SOUTH (258) - Project # TBD-69116-A - 69116 Lilly North Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
176		LINE LINE 69117, CLINTON 230 (251) TO CLINTON ELI LILLY NORTH (258) - Project # TBD-69117-A - 69117 Lilly South Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
177		LINE LINE 69132, NORTH MANCHESTER SW STA (294) TO WABASH 138 (270) - Project # M200070 - Circuit 69132 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
178		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # M180094 - 69139 Rebuild Pt 2 - Poseyville Sub - Knox Co REMC Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
179		LINE LINE 69139, PRINCETON (156) TO HE WINFIELD - Project # TBD-69139-D - 69139 Owensville Swi Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
180		LINE LINE 69146, COLUMBUS DENOIS CREEK (291) TO COLUMBUS MICHIGAN AVE (720) - Project # TBD-69146-B - 69146 Edinburgh Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
181		LINE LINE 69149, COLUMBUS DENOIS CREEK (291) TO HE WHITE CREEK - Project # TBD-69149-A - 69149 Walesboro - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
182		LINE LINE 69154, CRAWFORDSVILLE (173) TO WHITESVILLE SOUTH (191) - Project # M170131 - 69154 Pt 2 Rebuild - Whitesville Sub - Advance Sub	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
183		LINE LINE 69155, HORTONVILLE 345 (222) TO WHITESTOWN 345 (198) - Project # M200074 - Circuit 69155 Replace static	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
184		LINE 69165, FRANKLIN (178) TO GREENWOOD VALLE VISTA (758) - Project # TBD-69165-B - 69165 Rocklane Jct - SW_Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
185		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-B - 69180 Pt 1 - Rblid - Arcadia 385 - Arcadia North 650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
186		LINE 69180, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # TBD-69180-D - 69180 Arcadia North SW Rpl and loop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
187		LINE 69188, LAFAYETTE 230KV (161) TO TIPMON REMC TETC 6 TO DELPHI WELLS (597) - Project # TBD-69188-B - 69188 Tipmont Lafayette JCT SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
188		LINE 69203, BEDFORD 345 (166) TO HE WILLIAMS - Project # TBD-69203-A - 69203 Williams SW Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
189		LINE 13831, BATESVILLE 345 (170) TO COLUMBUS 345 (268) - Project # M180438 - 13831 H.E. Westport #1 and #2 Switch Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
190		LINE 23008, NOBLESVILLE STATION (223) TO TIPTON (742) - Project # M210314 - 23008 Tipton W-Cammack rd_Insul Repl and Anti-gallop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
191		LINE 23027, ATTICA 230 (160) TO VEEDERSBURG WEST 230KV (183) - Project # AMIN1322 - 23027 Insulator and galloping mit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
192		LINE 34507, GIBSON GEN STA (232) TO PETERSBURG (IP&L) (150.13) - Project # M200418 - 34507 Dead Ends Proj	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
193		BROOKVILLE, STATION 756.00 - Project # TIN2114 - Brookville Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
194		TOAD HOP, STATION 752.00 - Project # TIN1820 - Toad Hop Ribty Upg TDSIC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
195		WESTWOOD, STATION 220.00 - Project # AMIN1293 - Westwood 138kV CB-Rel Repl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
196		BLOOMINGTON ROGERS ST, STATION 205.00 - Project # M180379 - BLM Rogers St Ph 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
197		HUNTINGTON 138 KV, STATION 164.00 - Project # M180276 - Huntington CB_Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
198		DEEDSVILLE 69 KV, STATION 391.00 - Project # M180329 - Deedsville 69 Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
199		CHARLESTOWN JCT, STATION 278.00 - Project # M180104 - Charlestown Jct Install RTU	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
200		MIDDLEFORK, STATION 189.00 - Project # M180281 - Middlefork CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
201		CONNERSVILLE ILLINOIS AVE, STATION 655.00 - Project # M180031 - Illinois Ave Conv 4kV contains D-Line Work	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
202		KOKOMO EAST, STATION 297.00 - Project # M180267 - Kokomo East Rel Rplc	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
203		GLENWOOD WEST, STATION 1051.00 - Project # M200372 - Glenwood West New Substation contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
204		OSGOOD, STATION 690.00 - Project # AMIN1210 - Osgood Wd Sub Struct Rblid VCR Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
205		NOBLESVILLE WELLINGTON, STATION 623.00 - Project # M180437 - Noblesville Wellington Ribty Upg	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
206		TERRE HAUTE EAST, STATION - Project # M180441 - Terre Haute East CB_Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
207		VINCENNES, STATION - Project # M180442 - Vincennes Transrupter Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
208		FRANKLIN 230, STATION - Project # M200203 - Franklin 230 230kV Ring Bus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
209		Saint Paul Northwest - Project # M200398 - Saint Paul Northwest New Sub contai	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
210		COLUMBIA COMMERCE PARK, STATION - Project # M210129 - COL Commerce Park 69kV Loop Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211		COLUMBIA COMMERCE PARK, STATION - Project # M210237 - COL Commerce Park DA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
212		COLBURN, STATION - Project # M210238 - Colburn Reliability Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213		TERRE HAUTE WATER ST 1, STATION 448.00 - Project # M210239 - TH Water St Ring Bus_Relay Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
214		AKRON, STATION - Project # M210398 - Akron Install RTU and 69kV Loop-Thru	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
215		ROCKVILLE 138, STATION - Project # M180453 - Rockville 138 Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
216		NEW ALBANY CENTRAL, STATION - Project # M200123 - New Albany Central Add Volt Reg IVV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
217		SHELBYVILLE NORTHEAST, STATION 203.00 - Project # TIN1581 - Shelbyville NE CB Rel Rpl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
218		Various Lines - Project # GLTTran23/GLTDist23 - GLT Pole Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
219		Various Lines - Project # GLTTran24/GLTDist24 - GLT Pole Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
220		Various Lines - Project # GLT25T - GLT Pole Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
221		Various Lines - Project # GLT26T - GLT Pole Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Project Category	Transmission Line Upgrade Projects	Material	Labor	Indirects	AFUDC	Total Capital Additions	O&M	Additions and O&M	Retirements	Total Project
222		Various Lines - Project # GLT27T - GLT Pole Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		Various Lines - Project # GLT28T - GLT Pole Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
224		Various Lines - Project # M210446 - GLT Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		Various Lines - Project # M210447 - GLT Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		Various Lines - Project # M210448 - GLT Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		Various Lines - Project # M210449 - GLT Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		Various Lines - Project # M210450 - GLT Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		Various Lines - Project # M210451 - GLT Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		Various Lines - Project # M210452 - Drone Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		Various Lines - Project # M210453 - Drone Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		Various Lines - Project # M210454 - Drone Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		Various Lines - Project # M210455 - Drone Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		Various Lines - Project # M210456 - Drone Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		Various Lines - Project # M210457 - Drone Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236		Various Lines - Project # XARM23T - Crossarm Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
237		Various Lines - Project # XARM24T - Crossarm Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
238		Various Lines - Project # XARM25T - Crossarm Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
239		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
240		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
241		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
242		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
243		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
244		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
245		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
246		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
247		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
248		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
249		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
250		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
251		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
252		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
253		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
254		DEI Distribution System Costs Associated with Transmission System Line Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
255		Total DEI T & D System Line Improvements	\$1,225,822	\$47,830,418	\$16,235,784	\$1,730,930	\$67,022,954	\$2,388,862	\$66,911,816	\$6,575,512	\$73,487,328

Line No.	Project Category	Transmission Line Upgrade Projects	6 Year Total Material	6 Year Total Labor	6 Year Total Indirects	6 Year Total AFUDC	6 Year Total Capital Additions	6 Year Total O&M	6 Year Total Capital Additions and O&M	6 Year Total Retirements	6 Year Total Project
222		Various Lines - Project # GLT27T - GLT Pole Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
223		Various Lines - Project # GLT28T - GLT Pole Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
224		Various Lines - Project # M210446 - GLT Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
225		Various Lines - Project # M210447 - GLT Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
226		Various Lines - Project # M210448 - GLT Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
227		Various Lines - Project # M210449 - GLT Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
228		Various Lines - Project # M210450 - GLT Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
229		Various Lines - Project # M210451 - GLT Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
230		Various Lines - Project # M210452 - Drone Inspection Costs - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
231		Various Lines - Project # M210453 - Drone Inspection Costs - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
232		Various Lines - Project # M210454 - Drone Inspection Costs - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
233		Various Lines - Project # M210455 - Drone Inspection Costs - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
234		Various Lines - Project # M210456 - Drone Inspection Costs - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
235		Various Lines - Project # M210457 - Drone Inspection Costs - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
236		Various Lines - Project # XARM23T - Crossarm Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
237		Various Lines - Project # XARM24T - Crossarm Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
238		Various Lines - Project # XARM25T - Crossarm Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
239		Various Lines - Project # XARM26T - Crossarm Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
240		Various Lines - Project # XARM27T - Crossarm Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
241		Various Lines - Project # XARM28T - Crossarm Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
242		Various Lines - Project # TWR23T - Tower Replacement - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
243		Various Lines - Project # TWR24T - Tower Replacement - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
244		Various Lines - Project # TWR25T - Tower Replacement - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
245		Various Lines - Project # TWR26T - Tower Replacement - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
246		Various Lines - Project # TWR27T - Tower Replacement - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
247		Various Lines - Project # TWR28T - Tower Replacement - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
248		Various Lines - Project # CP23T - Cathodic Protection - 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
249		Various Lines - Project # CP24T - Cathodic Protection - 2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
250		Various Lines - Project # CP25T - Cathodic Protection - 2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
251		Various Lines - Project # CP26T - Cathodic Protection - 2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
252		Various Lines - Project # CP27T - Cathodic Protection - 2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
253		Various Lines - Project # CP28T - Cathodic Protection - 2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
254		DEI Distribution System Costs Associated with Transmission System Line Improvements	\$ 4,638,221	\$ 10,237,835	\$ 3,426,217	\$ 481,316	\$ 18,783,590	\$ 2,987,402	\$ 21,770,992	\$ 3,793,382	\$ 25,564,374
255	Total DEI T & D System Line Improvements		\$58,169,827	\$335,815,310	\$104,511,348	\$14,949,153	\$513,445,638	\$25,598,333	\$536,543,971	\$55,443,559	\$591,987,530

Transmission

Substation Upgrades

The Duke Energy Transmission organization is responsible for design, construction and maintenance of all substations, including both “Transmission” and “Distribution” substations. The Transmission organization uses the term “program” to refer to a group of projects or a similar action to be performed at multiple locations, and the term “project” to refer to specific construction or replacement work activities to be performed at a particular location.

Within the Transmission Engineering Department, the Asset Management organization identifies and administers “System Programs” under which problematic or obsolete types of equipment are to be systematically replaced, or other actions taken, to improve reliability performance or to reduce the risk of equipment failure. The population of equipment to which the program applies is typically identified, and then equipment selected from this population to include within the work scopes of the various substation projects.

The Transmission Asset Management department also sponsors or initiates substation projects to achieve the objectives of the System Programs. Substation projects may be initiated for a variety of reasons, including proactive replacement of equipment per a System Program, or condition-based replacement of specific equipment. When a project is initiated, its work scope will frequently combine work elements from multiple System Reliability Programs and/or condition-based equipment replacements to make efficient use of engineering and construction resources and equipment outage schedules.

Federal Energy Regulatory Commission (“FERC”) accounting rules define which assets or equipment within a substation are “Transmission” assets, and which are “Distribution”. Many substations include both Transmission and Distribution assets, and similarly many substation projects include both Transmission and Distribution work activities and charges.

The following sections describe several of the equipment replacement programs and/or objectives that are at the core of the Duke Energy Indiana Substation projects. Because each project may include work elements from multiple programs and/or to address condition-based or substation-specific concerns, there is no simple nor direct correlation between the described programs and the total Plan costs (i.e., one cannot arrive at the total T&D Plan by simply summing the described programs, rather the projects themselves must be totaled to arrive at the total Plan cost per year.)

All equipment to be installed or replaced as part of the Plan will follow the standardized designs and materials established by the Duke Energy Transmission Engineering department, whether the design and/or installation are to be performed by Duke Energy employees or by contracted resources. However, these standards are subject to change as technology and work practices improve, and it must be noted that projects performed within the Plan will be engineered and constructed based on the standards that are in effect at that time.

Certain of these programs discussed below were identified as sufficient cause to justify initiating and evaluating a potential project at the substation. Once a substation was identified for a potential substation upgrade project, a detailed project scope was identified by the Transmission Asset Management organization by reviewing any System Programs or initiatives that might apply to that substation, and any equipment condition or other substation-specific concerns identified by the Substation Maintenance organization. From this detailed, substation-specific project scope, a “parametric” estimate of the project cost can be calculated. This parametric method is in accordance with a “Class 4” estimate as defined by the Association for the Advancement of Cost Engineering International (“AACE”).

The list of identified potential project scopes, and the anticipated reliability and other benefits they would provide, was forwarded to Black and Veatch for inclusion in the investment plan analysis. The output of that analysis, along with system outage constraints and other considerations was then used to identify the final transmission and substation plan, schedule and cost estimate.

These potential projects and their initial Class 4 scopes were released to the Project Management organization, which then involves Transmission Engineering and others to visit the site, validate or add details to the project scope as needed, and then prepare a detailed AACE Class 3 estimate. The majority of projects planned for Years 1 and 2 (*i.e.*, 2023 and 2024) have been further refined to AACE Class 2 estimates by performing engineering design, defining detailed Bills of Material and construction activities and obtaining labor cost bids from contractors.

To be absolutely clear, the list of individually identified, scoped, estimated and selected projects constitutes the T&D Substation Plan. The following program descriptions merely explain some of the considerations that went into defining those projects. The “Txx” program identification numbers are included for reference to correspond to programmatic groupings within the consultant’s study model and report.

Substation Upgrade Program Benefits

As a whole, the Substation Upgrade projects comprising the Duke Energy T&D Plan will provide the following benefits.

Customer

- Fewer outages or voltage sags due to equipment failure or misoperation
- Faster evaluation and restoration of service when outages occur

Risk management

- Reduced risk of unplanned outages due to equipment failure
- Reduced risk of expanded outages due to breaker or relay slow operation or misoperation
- Reduced risk of violent equipment failure damaging nearby equipment
- Reduced risk of insulating oil discharge and resulting environmental cleanup

Operational

- Fewer outages leading to system imbalance or abnormal system configurations
- Better real-time information on system configuration provided to Operations personnel
- Ability to perform routine or restorative switching automatically or remotely without requiring personnel to travel to the switch
- Reduced or avoided emergency repair or replacement or after-hours work

Financial

- Balanced and predictable rate of investment over time
- Efficiency/savings from planned vs. emergency replacement of equipment
- Reduced costs for outage restoration and repair
- Reduced preventive maintenance and equipment repair costs

T10: Transmission Relay Upgrades

Program Description

This program involves replacing protective relays of outdated or under-performing types, thereby reducing the risk of relay misoperation leading to customer outage and/or disruption of the electric system. Replacing the older styles with modern relays also provides additional capabilities that allow improved restoration following a fault. The new relays to be installed in this program will be in accordance with Duke Energy's current standard design for new construction.

The Relay Upgrades program of the 2016-2022 TDSIC Plan focused on "Tier I" and "Tier II" relay styles that were prioritized as outdated and/or particularly troublesome and was able address the majority of those relays. This TDSIC-2 Relay Upgrade program continues and expands upon that program, and in addition to those Tier I and Tier II styles of relays considers all electromechanical relays as candidates for targeted replacement.

Background

Protective relays monitor the current, voltage or other parameters of the electric transmission and distribution system to detect faults or other abnormal or dangerous conditions on the electric system. When a fault or similar condition occurs, the relays initiate action to cause the circuit breaker(s) or other devices to operate, thereby interrupting the fault to prevent it from doing additional damage to equipment and/or further disruption of the electric system. It is therefore critical that relays operate with high reliability.

Relays that do not function within their designed performance parameters can either fail to trip or trip more slowly than intended, causing backup protection systems to operate and de-energize larger portions of the electric system than necessary, or trip for conditions for which they are not intended to trip, thereby causing unnecessary outages. Even if such improper operations do not directly cause power delivery to customers to be interrupted, these situations leave the electric system in a less secure configuration and increase the risk of outages or system instability.

For relays and associated equipment that protect the Bulk Electric System (typically the portions of the transmission system operating at 100 kV or higher and distributing large amounts of power between major substations and/or utilities), the North American Electric Reliability Corporation ("NERC") has been charged by the Federal Energy Regulatory Commission ("FERC") to publish and enforce mandatory reliability standards relating to the design, installation, maintenance, testing and repair of the protection systems.

Many of the relays included in the transmission protection systems have been in service for over 30 years, with a significant number over 50 years old. Many of the older relays were electromechanical devices, and included many delicate mechanical components such as bearings, springs, etc. As these relays age, their mechanical and electrical components wear or "drift", increasing the likelihood of relay misoperation. The relays are periodically tested and adjusted to return them to the designed performance parameters, but over time the wear or "drift" often exceeds the available adjustment and the relay can no longer perform as designed.

The older styles of relay were typically single-phase, single-purpose devices, and thus the protection system for a single circuit or substation apparatus often required one or more relay “panels” containing numerous discrete relays to be installed and interconnected to provide the desired protection schemes. Such relays did not include communications capability, and thus required that someone physically visit the substation and visually determine which protection relays had tripped. These relays did not capture any history or “snapshot” of the tripping event to support post-event analysis of the system conditions and the performance of the protection system during the event. Electromechanical relays are no longer manufactured, and are generally no longer supported by the manufacturers, so new direct-replacement relays or parts are no longer available when these relays fail.

Relay technology evolved from electromechanical relays to solid-state electronic technology beginning approximately 30 years ago. Many of the early-generation electronic relays were also single-phase, single purpose devices that did not include remote communications or event analysis capabilities. The functioning of these relays often depended on capacitors, resistors and other discrete components or circuit boards, and as the relays age, these components may fail or their performance parameters may tend to “drift” thereby affecting the relay’s performance. These early-generation solid-state or electronic relays are no longer manufactured, and many of these older styles are no longer supported by the manufacturer, and direct-replacement relays or parts are no longer available when these relays fail. Several of the older styles of electronic relays have been identified as frequently needing to be repaired or replaced, and therefore are targeted to be proactively removed from the Duke Energy Indiana system.

Modern relays are based on microprocessor technology and typically provide many configurable protection functions within a single physical device. This allows a single physical multi-function relay to replace numerous older single-function relays. The modern relays also include remote communications and event recording capabilities that make post-event analysis and evaluation of the performance of the protection system much more effective. These relays often include features such as calculating the distance to a line fault to allow more efficient location of the problem, dispatch of repair crews, and faster restoration and repair following the fault. They may also perform functions such as recording the accumulated fault interruption duty (I2t or similar measurement) that a fault interrupting device has experienced, which can be used to more-efficiently determine when maintenance should be performed on that device. It is therefore much more efficient to replace all of the older relays that make up a protection system “terminal” at the same time, bringing the entire terminal up to current design standards and capabilities.

Planned, proactive replacement of the obsolete or problematic styles of relays also avoids the customer outages and/or transmission system disturbances that would occur if the relay were allowed to fail in service, as well as offers efficiency savings associated with replacing the relays in an optimized, scheduled project rather than in an “emergency” manner following a failure.



Typical Electromechanical Relays



Typical Digital Relays

Program Strategy

Obsolete transmission line protection relays have been categorized into several “Tiers” based upon the priority or urgency of eliminating the relays from the Duke Energy system, and the presence of one or more Tier 1 or Tier 2 relays is a reason to proactively replace all the relays associated with a given “relay terminal” or protection scheme.

Tier 1 – includes Types REL and MDAR relays. Any relay terminal containing one or more Tier 1 relays is to be completely replaced as a “Tier 1 terminal”.

Tier 2 – includes Types HCZ, CEY, HZM, KD and TYS relays. The relay terminals containing Tier 2 relays but no Tier 1 relays are referred to as “Tier 2 terminals”.

TPU – Type TPU transformer protection relays have also been identified for priority replacement.

Electromechanical – This classification includes all remaining styles and manufacturers of electromechanical relays.

Another T&D Plan initiative, described separately, seeks to replace obsolescent circuit breakers. There is significant efficiency savings (\$65k-\$75k) when a circuit breaker is replaced at the same time as its associated relay terminal, and there is a high correlation between the obsolete transmission breakers and the obsolete relay terminals, so the Transmission Relay Replacement program can be considered a “key enabler” to support the Transmission Oil Circuit Breaker Replacement program.

Program Benefits

Customer Experience:

- Improve system performance
- Reduce risk of outages caused by relay misoperation
- Support faster evaluation and restoration of outages

Risk management:

- Reduce risk of unplanned events from failed relay
- Reduce likelihood of relay failure for which no spare relays or replacement parts is available

- Reduce potential regulatory compliance risk from failure to address known performance issues or risks in a proactive manner.

Operational:

- Reduce risk of outages and/or abnormal system configurations caused by relay misoperation
- Reduce or avoid emergency repair or replacement or after-hours work

Financial:

- Balance investment over time,
- Efficiency/savings from planned vs. emergency work
- Efficiency/savings from concurrent replacement of breaker and relays

T11: Replace T&D Circuit Breaker

Program Description

This program involves replacing outdated transmission oil circuit breakers (“OCBs”) and outdated high-volume SF₆ gas circuit breakers (“GCBs”), typically in conjunction with replacement of the associated outdated transmission relays. All remaining OCBs are considered candidates for replacement within this program. For transmission voltages, 69 kV and above, the new breakers will be modern SF₆ gas circuit breakers per Duke Energy’s current standard design for new construction.

The program also includes replacing outdated distribution OCBs, typically in conjunction with replacing and upgrading the associated distribution circuit relays and installing remote monitoring and control functionality for the distribution circuit. For distribution voltages, 35 kV and below, the new breakers will be modern vacuum circuit breakers per Duke Energy’s current standard design for new construction.

Background

Circuit Breakers are electro-mechanical switching devices installed within substations to electrically connect and disconnect transmission or distribution circuits and/or buses. The circuit breakers typically must carry the full operating current of the associated line or bus, remaining in this “closed” position for long periods of time, and then “open” very rapidly (typically within 50 to 100 milliseconds) when called upon to interrupt both normal operating load current and the much higher currents that flow during system fault conditions. Failure to operate fast enough to clear fault currents will cause backup protection schemes to operate, leading to a larger portion of the electrical system being de-energized. As Circuit Breakers age and are operated repeatedly, the operating mechanisms, linkages, bearings, lubricants and other mechanical parts wear to the point that proper adjustment and alignment is difficult to achieve and maintain. Spare and replacement parts may become obsolete and no longer be available from the original equipment manufacturer (“OEM”) and reconditioned, remanufactured, or “reverse engineered” parts from third party or after-market vendors might not match the OEM specifications or dimensions and or be prohibitively expensive. These situations can lead to mis-operations and/or increased time for repairs and outage restorations, both of which can decrease system reliability. The *AC Substation Equipment Failure Report* published December 2014 by the NERC AC Substation Equipment Task Force (“ACSETF”), identified Circuit Breakers as the most common type of failed substation equipment, representing 39% of the substation equipment failures analyzed by the Task Force.

Oil Circuit Breakers (“OCBs”) immerse the energized and current-carrying portions of the circuit breaker within a tank containing insulating mineral oil and interrupt the current by rapidly separating a moving contact from a stationary contact. The insulating oil cools and extinguishes the arc that results and thus interrupts the flow of current. This is one of the oldest types of circuit breakers, dating back as far as 1919. In approximately the 1980’s the “state of the art” for circuit breaker technologies transitioned from OCBs to SF₆ Gas Circuit Breakers (“GCBs”) for 69 kV and higher applications, and Vacuum Circuit Breakers (“VCB”) for 35 kV and lower. The average age of the OCBs remaining in the Duke Energy Indiana system is approximately 54 years, with individual breaker ages ranging from 34 to 73 years. All OCBs have been identified

as an outdated technology and due to age, wear, unavailability of replacement parts, etc., are becoming increasingly difficult to maintain and keep functioning per the designed specifications. All OCBs are therefore candidates considered for replacement under this Transmission Asset Management System Program.

Gas Circuit Breakers (“GCBs”) use Sulfur-HexaFluoride (SF₆) gas as an insulating medium and to cool and interrupt the arc during switching operation. SF₆ interrupters emerged as the “state of the art” technology for high voltage circuit breakers in the 1970’s, with the oldest GCB in the Duke Energy Indiana system manufactured in 1977, and all 69 kV and higher Duke Energy Indiana circuit breakers installed since 1988 are GCBs.



Typical Transmission Oil Circuit Breaker



Typical Transmission Gas Circuit Breaker



Typical Distribution Oil Circuit Breaker



Typical Distribution Vacuum Circuit Breaker

Program Strategy

All remaining oil circuit breakers were considered for replacement within the scope of the substation projects evaluated for potential inclusion in this T&D plan. These breaker replacements often coincided with replacing outdated relays, and replacing the breaker and associated relays as part of the same project offers significant efficiency and savings in design and construction costs and outage coordination. The projects selected for inclusion in the final

plan are guided by the reliability value outside consultant study model and other factors such as consideration of value to the Joint Transmission Owners. For Distribution OCBs, the existing distribution line relays are often mounted within the breaker’s control cabinet and therefore the old breaker and relays will typically be replaced by a new VCB that includes pre-installed state-of-the-art relays as part of projects selected to support the Distribution Self-Optimizing Grid program.

	OCBs to Remain as of 1/1/2023	OCBs to be Addressed during T&D Plan	OCBs To Remain after T&D Plan
Transmission OCBs	108	69	39
Distribution OCBs	56	39	17

Program Benefits

Customer Experience:

- Improve system performance
- Reduce risk of outages caused by circuit breaker misoperation

Risk management:

- Reduce risk of unplanned events from failed circuit breaker
- Reduce risk of more extensive outages resulting from circuit breaker misoperation or failure

Operational:

- Reduce or avoid emergency repair or replacement or after hours work

Financial:

- Balance investment over time,
- Efficiency/savings from planned vs. emergency work

T12: T&D Transformer Replacements

Program Description

This program involves proactively replacing substation transformers that have identified condition issues that put them at increased risk for failure. The replacement transformers will be rated and sized in accordance with Duke Energy's current standard designs for new construction.

Background

Power transformers are an important component of most substations. These devices convert power from one voltage level to another, and can generally be classified based on the voltages to which they are connected:

- “Transmission-to-Transmission” (T/T) – High Voltage and Low Voltage windings operate at 69 kV or higher (e.g. 345 kV/138 kV)
- “Transmission-to-Distribution” (T/D) – High Voltage winding operates at 69 kV or higher; Low Voltage winding operates at 35 kV or lower (e.g. 138 kV/12 kV)
- “Distribution-to-Distribution” (D/D) – High Voltage and Low Voltage windings both operate at 35 kV or lower (e.g. 34.5 kV/12 kV)

In some of the older installations in the Duke Energy Indiana system, multiple single-phase transformers were often installed to form a three-phase “bank” and the term “transformer” and “transformer bank” have often been used interchangeably. Since approximately the 1950s, however, three phase transformers have been the standard for all of Duke's transmission and distribution substation transformer voltage classes and as the older banks of single-phase transformers are replaced they are typically replaced by modern 3-phase transformers.

Power transformers consist of conductors wound around a magnetic steel “core”. Current flowing in one “winding” produces a magnetic flux, which the core contains and directs to the other winding where it produces a corresponding current and voltage. The relative number of times each winding conductor encircles the core, referred to as the “turns ratio”, determines the ratio between the high voltage and low voltage windings.

The conductor in each winding must be electrically insulated between adjacent turns, as well as between the conductor and the steel core and other windings. The winding insulation in power transformers is typically comprised of a form of “paper” formed from cellulose or other material and then immersed in insulating mineral oil. In addition to serving as part of the insulation system, the oil transfers the heat, which is produced by resistive and inductive heating, away from the windings and discharges it to the surrounding air through the transformer's “radiators” or “coolers”.

Over time, the winding insulation paper degrades and becomes less strong and more brittle. This is due to the polymer strands of the cellulose separating or breaking at the molecular level into shorter strands. Weaker, more brittle, insulation is less able to withstand the mechanical forces imposed by magnetic forces within the transformer, and may allow the winding to deform and eventually develop an electrical short circuit between the energized conductor and the core or other grounded portions of the transformer, or between adjacent turns of the winding. Insulation

failures of this type can produce very high currents and temperatures, and in extreme cases may cause the transformer tank to rupture, releasing the insulating oil and potentially catching fire.

The *AC Substation Equipment Failure Report* published December 2014 by the NERC AC Substation Equipment Task Force (“ACSETF”), identified Transformers as the second most common type of failed substation equipment, representing 28% of the substation equipment failures analyzed by the Task Force. Transformer failures were further analyzed, and indicated that winding failures were the largest single cause of transformer failures, representing 33% of the transformer failures analyzed.

The rate at which transformer insulation degrades is not a constant function of time, but rather is strongly influenced by the temperature of the winding conductor which the paper is in contact, and can be influenced by other factors such as water moisture dissolved in the insulating oil. The conductor temperature is not constant, but is governed by the electrical load that the transformer carries and the ambient air temperature in which it operates, both of which tend to vary significantly with time. Thus, transformer age alone is not an effective indicator of the optimal time to proactively replace a substation transformer.

Duke Energy Indiana utilizes a predictive maintenance approach to monitor the health of its substation transformers. Diagnostic tests are performed on a periodic basis, including both power factor testing to measure the electrical properties of the winding insulation, and “dissolved gas analysis” (“DGA”) of the insulating oil which indicates the presence of abnormal heating and moisture. Transformers which indicate excessive deterioration may be subjected to additional or more-frequent monitoring and identified for condition-based planned replacement.



Typical Transmission Transformer



Typical Distribution Transformer

Program Strategy

The following numbers of transformer banks have been identified for planned condition-based replacement within the T&D Plan. The existing transformers will be replaced with new transformers of the current standard transformer design and ratings that would be used for new construction. In addition to these condition-based replacements, certain of the buses identified

for the addition of voltage regulation by the Distribution IVVC plan will require replacing existing non-LTC transformers with transformers equipped with LTCs.

	Transformer Banks Existing as of 12/31/2022	Transformer Banks to be Replaced in T&D Plan
T/T Transformers	138	2
T/D Transformers	500	24
D/D Transformers	94	0

Program Benefits

Customer Experience:

- Improve system performance
- Reduce risk of outages caused by transformer failure

Risk management:

- Reduce risk of unplanned events from failed transformer

Operational:

- Reduce or avoid emergency repair or replacement or after hours work
- Avoid system loading contingencies due to loss of capacity from failed transformer

Financial:

- Balance investment over time
- Efficiency/savings from planned vs. emergency work

T13: Condition-Based Monitoring – Transformer and Circuit Breakers

Program Description

This program involves installing on-line Condition-Based Monitoring (CBM) equipment to continuously remotely monitor the condition of critical substation transformers to identify developing problems and allow corrective action to be taken in a planned manner before the transformer fails or otherwise causes an unplanned outage.

Included transformer monitors are Electronic Temperature Monitors (ETM), Dissolved Gas Analyzers (DGA), Bushing Monitors (BM) with Partial Discharge capabilities, and data collection back to enterprise for further analysis. These on-line transformer monitors are utilized in diagnosing internal transformer problems.

Background

On-line monitors are becoming increasingly important as a first line of defense for identifying trouble in substation transformers and bushings. These devices provide near real-time condition of the transformer and bushings health and alerts when abnormal conditions arise.

Through-out the life of in-service transformers, they may face various failure modes ranging from overheating, transformer gassing, water egress into oil, degradation of winding paper, bushings power factor and capacitance changes, and external fault conditions, all of which wears on the transformer. These subtle changes have the potential to worsen overtime or worst, immediately, where the transformer ability to function becomes prohibited resulting in an unplanned outage and possibly a catastrophic failure with ruptured tank spilling oil into the environment. This is a worse-case scenario but very much a possible outcome. Transformer monitors are being used to help identify such disruptive conditions to allow safe and planned service removal of transformer for repair or replacement.

The **ETM** monitors transformer load, oil temperature, calculated winding temperature, and ambient temperature. Each temperature reading has preset caution and alarm setpoints that will alarm if transformer oil and/or winding temperature exceeds setpoints for excessive heating conditions. The on-line data from the ETMs are connected to the enterprise for trending, analysis, alarming, and notifications to personnel.

The **DGA** measures gas concentrations in oil from chemical reactions produced in transformer from abnormal heating conditions. The chemical reactions in oil generate various gases such as Acetylene (C₂H₂), Methane (CH₄), Ethane (C₂H₆), Ethylene (C₂H₄), Hydrogen (H₂), Carbon Dioxide (CO₂), Carbon Monoxide (CO), Oxygen (O₂), and Nitrogen (N₂). It also measures moisture or Water (H₂O) concentration in oil. The gas and water concentrations are measured in parts-per-million. The utility industry has been manually monitoring these transformer gases annually by way of transformer oil sample analysis in labs. The utility labs' analysis provides insights of present and history of transformer conditions. These oil samples tell the transformer life story of internal arcing, coking of connections, excessive heating of components, paper degradation, and water concentration of which any could possibly prohibit the transformer function if not attended. The lab on the transformer, on-line DGA, provides the same means of measurement and analysis daily with more measurement consistency, more frequency, and

provides alarms and notifications to personnel to take-action with data retrieved by the remote connections to the enterprise network. On-line DGAs help to prevent catastrophic transformer failures, environment risk from spills, and unplanned customer outages on new and old transformers.

The **BM** measures power factor, capacitance, and leakage current of transformer bushings and alerts on percent deviations from manufacturer nameplate values. This is done while being connected to an in-service transformer and provides remote alarming and notification. These bushing monitors are also equipped with partial discharge detectors that detect high frequency high energy discharge activity inside of transformers. The advantage of measuring power factor, capacitance, and partial discharge on a live transformer provides means for early detection of bushing problems prior to failure, and this allows for prompt action for planned outages, bushing replacement, and prevent unplanned disruptive outages from failed equipment.

Transformer monitors are remotely connected to internal network and data is collected at OSI PI Historian for trending, alarming, and analysis. This data is analyzed by the Health and Risk Management Team and Tech Support for remediation of transformer problems.



Typical Transformer DGAs



Typical Transformer Bushing Monitor Sensors

Program Strategy

Online transformer monitoring implementation is targeted for Transmission Transformers (TT) that source the Bulk Electric System. All TT Auto-Banks and Power Banks rated 10MVA minimum and low side voltage 69kV to 500kV high side are identified to receive transformer monitoring. This includes existing transformers and new replacement transmission transformers meeting criteria.

	Transformer Banks Existing as of 12/31/2022	Transformer Banks to Receive Monitoring in T&D Plan
T/T Transformers	138	38
T/D Transformers	500	0
D/D Transformers	94	0

Program Benefits

Customer Experience:

- Improve system performance
- Reduce risk of outages caused by transformer failure
- Reduce catastrophic failures that could result in environment issues

Risk management:

- Reduce risk of unplanned events from failed transformer
- Reduce risk of unplanned events from failed bushings

Operational:

- Identify trouble asset via notifications, alerts, and alarms
- Reduce or avoid emergency repair or replacement or after-hours work
- Avoid system loading contingencies due to loss of capacity from failed transformer

Financial:

- Balance investment over time
- Efficiency/savings from planned vs. emergency work
- Extend the life cycle of aging assets

T14: Upgrade T&D Transformers

Program Description

This program involves targeted replacement or upgrade of components of substation transformers to extend the life of the transformers and reduce the risk of failure or misoperation. Activities to be performed under this program include replacing transformer bushings, upgrading transformer On-Load Tap Changers (LTC), and replacing or upgrading transformer cooling systems such as oil pumps, fans and heat exchangers.

Background

Bushings are essential components of transformers, circuit breakers, and other types of electrical equipment that provide an insulated path for the energized conductor of a circuit to pass through the non-energized or grounded enclosure or tank of the equipment. Over time, the bushing insulation can break down and cause catastrophic failure of the bushing as well as damage to the equipment to which it is attached or other nearby equipment. The models of the bushings in the targeted replacement program have exhibited elevated frequency of failure or other issues that could cause failure to be difficult to predict.

The *AC Substation Equipment Failure Report* published December 2014 by the NERC AC Substation Equipment Task Force (“ACSETF”), identified Bushings as the third most common type of failed substation equipment, representing 10% of the substation equipment failures analyzed by the Task Force.

Failures of GE Type U bushings are a well-known industry problem and historically GE Type U bushings were included extensively throughout the system on voltage regulators, transformers, and transmission class circuit breakers. The GE Type U bushings were designed with alternate layers of plain paper with paper printed with conducting ink. There are several different design factors that have contributed to failures of GE type U bushings. These are known as the herringbone ink design, top terminal tightness, and the flex seal. These issues can be summarized as follows.

1. The semiconducting ink migrated to the plain paper layer.
2. Contamination was left inside the bushing during the manufacturing process from paper trimming.
3. 230 kV and higher - problems with sealing system on top of the bushing which result in moisture ingress.

These three design factors result in increases in the power factor and capacitance of the bushing, eventually leading to catastrophic failure. This is well documented throughout the utility industry. Many North American utilities have undertaken and completed formal replacement programs of their Type U populations.



Transformer Bushings

An On-Load Tap Changer (“OLTC” or “LTC”) is a switching mechanism attached to a transformer or voltage regulator that allows the transformation ratio to be changed from one “tap” of the winding to another while the transformer or regulator is carrying load, thus allowing the voltage supplied to the circuit to be regulated to maintain consistent acceptable voltage level under changing load and voltage drop conditions. LTCs can be installed in either the low-voltage or the high voltage winding of the transformer. Typically, for a “T/D” transformer that converts a transmission voltage to a distribution voltage and includes a LTC, the LTC is associated with the low-voltage winding of the transformer and regulates the distribution bus voltage. Some Duke Energy Indiana “T/T” transformers include a LTC in one of the transmission windings and are used to regulate transmission bus voltage.

The *AC Substation Equipment Failure Report* published December 2014 by the NERC AC Substation Equipment Task Force (“ACSETF”), identified tap changer failures as the second largest cause of transformer failures, representing 32% of the transformer failures analyzed.

Historic LTC designs accomplish the task of changing taps under load by opening and closing electrical contacts within a tank of insulating mineral oil that helps to insulate the energized parts of the LTC as well as cooling and extinguishing the electrical arc that is produced when the current through the contacts is interrupted. Such “arcing-in-oil” LTCs are subject to contact erosion from the electrical arc, and produce dissolved gases and other contaminants when the oil and contact material is chemically broken down by the heat of the arc. In addition, certain styles of these LTCs have exhibited poorer performance and rates of failure or mis-operation.

Duke Energy has established a system program of installing external oil filtration systems on arcing-in-oil LTCs to remove contaminants from the oil and thereby reduce the risk of misoperation and increase the number of tap change operations that an LTC can perform between maintenance cycles.

Duke Energy has also established a system program to replace or upgrade certain models of arcing-in-oil LTCs to use vacuum interrupting contacts and provide much longer and more reliable operation, and thereby improve the reliability and extend the useful life of the associated transformer.

Program Strategy

Bushings will be identified and prioritized in two ways. The most critical bushings to be replaced will be identified based on power factor results. Bushings that show an increasing trend in the power factor or capacitance results are deemed to be approaching failure and will be replaced as soon as possible. The rest of the targeted bushings will be replaced in coordination with other work and scheduled outages in the substation. For example, if a transformer which contains one or more of the targeted bushings is scheduled to be out of service during a substation project or for routine testing, the bushings will be replaced during the planned outage. This strategy will allow for the replacement of these bushings without further impact on the system performance and provide improved efficiency and cost savings by combining work into one scheduled outage.

LTCs manufactured by Federal Pacific (Types TC25, TC25E, TD525 and TD546) were historically used in association with Distribution voltage transformer windings. These LTCs will be replaced by Reinhausen Manufacturing Type RMV LTCs that utilize vacuum-interrupter contacts instead of arcing-in-oil.

“Type M” LTCs manufactured by Reinhausen Manufacturing which are used in association with transmission voltage transformer windings will be retrofitted and upgraded to “Type VM” which utilizes vacuum bottle interrupting contacts rather than arcing-in-oil.

These replaced and retrofitted LTCs will comply with Duke Energy’s current design standard for new equipment.

Duke Energy Indiana has identified specific transformers which include the targeted models of LTC. Replacing or upgrading these LTCs, or installing an oil filter on arcing-in-oil LTCs which will not be replaced by vacuum, will typically be performed during a transformer outage associated with other project work at the station. This strategy will allow for the replacement or upgrade of these LTCs without further impact on the system performance and provide improved efficiency and cost savings by combining work into one scheduled outage.

Program Benefits

Customer Experience:

- Improve system performance
- Reduce risk of outages caused by catastrophic failures

Risk management:

- Reduce risk of unplanned events from catastrophic failures
- Reduce likelihood of bushing failures for which no spare bushings are available
- Reduce risk of environmental cleanup of PCB’s

Operational:

- Reduce unplanned outages
- Reduce or avoid emergency repair or replacement or after hours work

Financial:

- Savings from planned vs. emergency and system restoration work
- Savings from preventing major equipment failures
- Efficiency/savings from bundling this work with other capital projects
- Efficiency/savings from reducing O&M costs associated with a shorter maintenance frequency on targeted bushings

T15: Substation Reconfiguration for Improved Reliability

Program Description

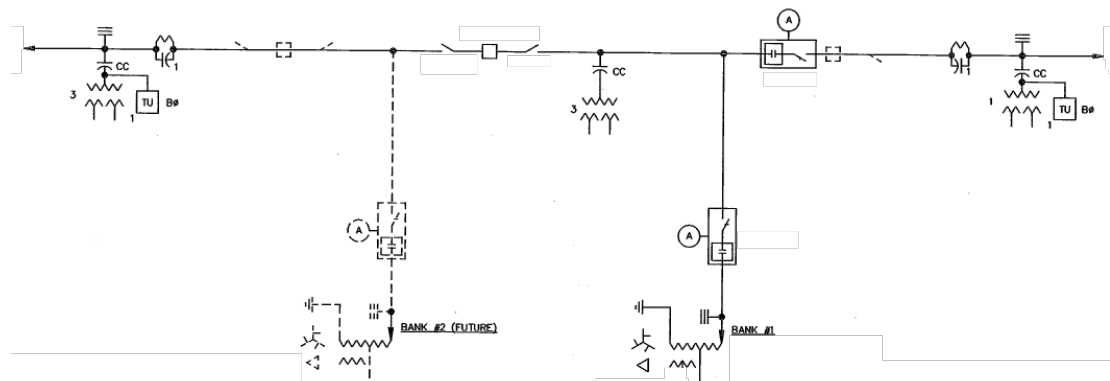
This program involves changing the configuration of existing substations to improve reliability, resiliency, and operability. This includes changes such as reconfiguring substation transmission buses from “straight bus” to “ring bus” configuration, and installing circuit switching devices capable of interrupting fault current on the high-voltage side of the transformer to eliminate “ground switch” transformer fault interruption schemes.

Background

High-Speed ground switches

Several different general arrangements are used for transmission voltage buses in Duke Energy Indiana substations. They may be generally classified into the following three categories:

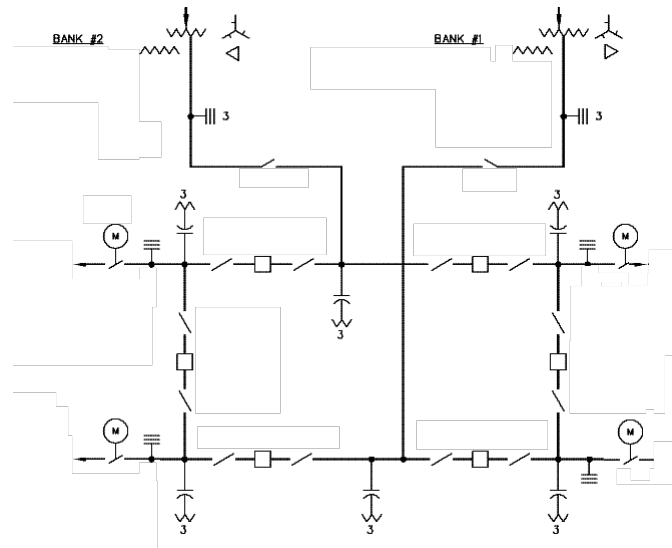
- “Straight” or “Radial” Bus – In a straight bus configuration, each line or transformer connects to a single linear bus through its own switch, circuit breaker, or other fault-interrupting device. A bus fault or failure of any of the associated breakers must be cleared by opening all connected breakers to “clear” the entire bus.



Typical Straight Bus

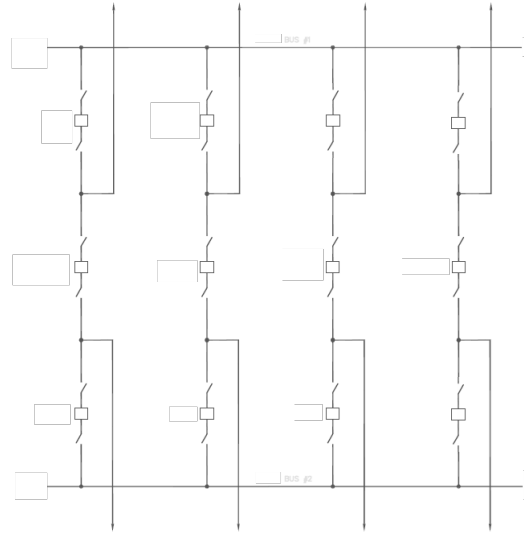
[Dashed Lines illustrate potential future 2nd Transformer and circuit breakers]

- “Ring” Bus – In a ring bus configuration, each line or transformer connects to its own section of bus located between two circuit breakers. Each circuit breaker connects two of these bus sections, and all bus sections and breakers are connected to form a circular “ring”. In a ring bus, de-energizing any one line, transformer or bus section will only open the two breakers associated with that line, allowing the rest of the substation bus to continue operating. Non-load-break disconnect switches between the ring bus and each line and transformer further improves resiliency by allowing separating the de-energized line or transformer from its bus and then closing the two associated circuit breakers to restore the full ring to service, thereby reducing operating risk to the system during the outage of the line or transformer.



Typical 6-Breaker Ring Bus

- “Breaker and a Half” Bus – In a “breaker and a half” configuration, there are two main buses with a number of three-circuit-breaker “rungs” connected between them in a “ladder” configuration. Within each rung, two lines, transformers, or generators are connected between each pair of circuit breakers. This configuration requires three circuit breakers for every two connected elements, a ratio of 1.5 (1½) breakers per connected element which gives the configuration its name. In a breaker-and-a-half scheme, de-energizing any one line, transformer or bus section will only open the breakers directly associated with that element, allowing the rest of the connected elements to continue operating. Adding a non-load-break disconnect switch between each line and transformer adds the ability to separate the de-energized line or transformer from its bus and then close the two associated circuit breakers to restore the full bus to service, thereby reducing operating risk to the system during the outage of the line or transformer. A breaker-and-a-half bus configuration is typically used for buses with a large number of connected lines, transformers or generators, plus a high criticality of system impact or need for operational flexibility such as larger generating stations.



Typical Breaker and a Half Bus

The *AC Substation Equipment Failure Report* published December 2014 by the NERC AC Substation Equipment Task Force (“ACSETF”), states that “bus configuration within a substation determines the number of circuit elements that will be removed from service in the event of a circuit breaker failure.” The report then discusses the reliability impact of a circuit breaker failure in each bus configuration:

- Straight or Radial Bus – “circuit breaker failure for this bus configuration results in clearing the entire bus... This configuration results in the highest transmission outage severity among the three configurations due to a failed circuit breaker.”
- Ring Bus – “With this configuration... circuit breaker failure will result in the loss of only two transmission lines.”
- Breaker and a Half – “With this configuration the failure of the middle circuit breaker will result at most in only two transmission lines being removed from service. A failure in any circuit breaker connected to a bus will result in a bus outage and only one transmission line.”

In addition to the reliability benefits that Ring Bus and Breaker and a Half configurations provide for breaker failure events, they also provide greater flexibility for System Operators, allowing any one element of the system to be de-energized for maintenance and repair without undue system risk of operating portions of the system in a radial configuration.

High-Speed ground switches

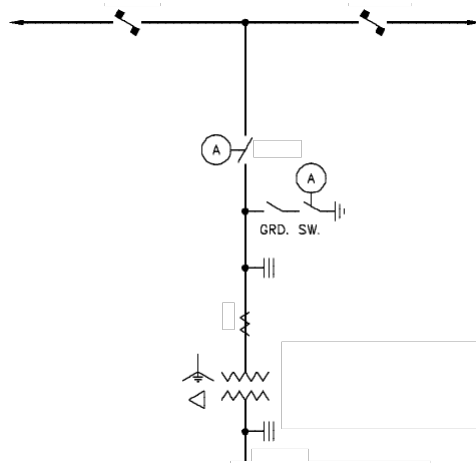
High-speed ground switches were historically installed as part of a “Transmission-to-Distribution” or “Distribution-to-Distribution” transformer protective relay scheme as an alternative to installing a transformer high-side circuit breaker or circuit switcher.

In a high-speed ground switch scheme, power is supplied from the substation’s “source” bus to the transformer through a motor-operated disconnect switch rather than through a higher-cost circuit breaker or circuit switcher capable of interrupting the current during a transformer fault. The high-speed ground switch is a single-phase switch connected to one of the phases between the transformer and its high-side switch. The ground switch operated in a normally-open

position. When a transformer fault occurred, the transformer relay scheme would cause the ground switch to close, thereby introducing an intentional solid phase-to-ground fault on the circuit supplying power to the transformer. The protective relays at the source end(s) of the source circuit would detect this fault and initiate their normal protective trip and reclose sequence, de-energizing the entire circuit momentarily. While the circuit was momentarily de-energized the protection scheme associated with the faulted transformer would open the high-side disconnect switch, thereby isolating the faulted transformer and the closed grounding switch from the circuit. The protective relays at the source end(s) of the source circuit would then reclose the line circuit breakers after the appropriate time delay, restoring power to the source circuit.

The obvious disadvantages of this approach include the fact that a fault on a single transformer causes a momentary outage to all substations and transformers supplied by the source circuit. Also, slow or mis-timed operation of the transformer high-side disconnect switch or the protective relays or breakers at either end of the circuit can lead to a sustained outage to the entire circuit.

In recent years, circuit switchers have become a cost-effective option, and the momentary outages at multiple substations that are caused by the high-speed ground switch operation are no longer acceptable. Current Duke Energy Standards for new construction prescribe a high-side fault interrupting device such as a circuit switcher for all transformers rated greater than 10.5 MVA (three-phase bank rating), and Transmission Asset Management has established a System Program to identify and eliminate the remaining high-speed ground switch protection schemes.



Typical High-Speed Ground Switch Application

Program Strategy

Duke Energy Transmission System Operations identified and prioritized a number of substation buses where converting an existing straight bus to a ring configuration would provide them with increased operating flexibility and reliability. These buses were considered during initiation and scoping of projects for the T&D Plan, and establishing the ring bus was included in the project

scope when it could be included synergistically with the other work being performed at the substation.

	Ring Buses to Add in T&D Plan
345 kV	1
230 kV	2
138 kV	3
69 kV	2

All existing high-speed ground switches have been identified through review of the asset database, and cross-checked through field surveys completed by Substation Maintenance personnel. Withing this plan the presence of a high-speed ground switch is considered justification for initiating a reliability improvement project at the substation and projects have been initiated and scoped to include installing a high-side fault interrupting device and removing the high-speed grounding switch.

	Ground Switches Existing as of 1/1/2023	Ground Switches to Eliminate during T&D Plan	Ground Switches to Remain after T&D Plan
138 kV	1	1	0
69 kV	3	1	2
34.5 kV	1	1	0

Program Benefits

Customer Experience:

- Reduce risk of outage due to failure of equipment on adjacent circuits
- Reduce risk of momentary outages to adjacent substations due to transformer fault

Risk management:

- Reduce risk of breaker or relay misoperation causing additional or prolonged outage

Operational:

- Additional flexibility to support equipment or line outages
- Avoid planned outages for ground switch testing & maintenance

Financial:

- Avoid cost of ground switch testing & maintenance

T16: SCADA Communications

Program Description

This program involves installing or upgrading Remote Terminal Units (“RTU”) and associated data communications and capability to allow the transmission and distribution grid operators to remotely monitor and control the various substation equipment. It also includes installing motorized operation and the capability to remotely and/or automatically operate the transmission switches to allow rapid sectionalizing and restoration when transmission line faults occur.

Background

Historically, most substations operated in a stand-alone manner in which the central transmission or distribution “System Operator” did not have real-time ability to monitor the status (*i.e.*, open or closed) of circuit breakers and switches, nor the voltage, currents, power flows, equipment temperature, operating alarms or other values that characterized the operation of the substation. The System Operator also was not able to directly control opening or closing circuit breakers or switches or other actions at the station. Obtaining current information from the substation, or executing control actions at the substation, required having personnel physically travel to the substation and could delay the availability of information or execution of control actions by significant amounts of time. Identifying, assessing and restoring the system following outages could result in long outages.

Remote monitoring and control capability, often referred to as “Supervisory Control and Data Acquisition” (“SCADA”) began to emerge in the 1960’s and 1970’s. This typically involved installing a device referred to as a Remote Terminal Unit (“RTU”) in the substation to interface to the physical substation devices via direct electrical connections, and then provide the derived information to the System Operators via a data communications channel. Similarly the System Operator could issue control commands via the data communications and the RTU would issue those commands to the substation devices via electrical control relays. Early data communications were often via audio tones over telephone-grade end-to-end copper circuits either leased from the local telephone company or installed and maintained by the electric utility itself.

Over the years, the technology associated with remote monitoring and control of substation devices has also evolved. As electronic devices have become the standard for protective relays and other substation devices, monitoring values and control commands are now typically exchanged between the RTU and the other devices within the substation via electronic data communications protocols rather than hard-wired control signals. Communication channels between the substation and the SCADA Master Computer have also evolved and now typically utilize digital communications channels, sometimes using cellular service or privately-owned radio rather than physical data channels into the substation.

SCADA capability was first installed in larger or more-critical substations, such as large transmission substations, where it provided the greatest value for the investment. Small distribution substations were often not equipped with SCADA due to the initial capital cost of the SCADA equipment as well as the ongoing O&M cost of the communications channel. Over the years this approach has changed, to the point that full remote control and monitoring

capability is now the Duke Energy Indiana standard for new construction in both transmission and distribution substations. However, many smaller distribution substations remain without remote monitoring and control capability.

Duke Energy has established an initiative to increase the ability to automate and remotely monitor and control its Distribution and Transmission systems. For the Distribution System this has been referred to by various terms including “Grid Modernization”, “Distribution Automation”, “Smart Grid”, “Self-Healing Teams”, or “Self-Optimizing Grid”. However, regardless of the name used, establishing capability for the System Operators and/or automatic control schemes to remotely monitor and control the circuit breakers and other devices in the substation are critical elements of the program.

Many Duke Energy Indiana substations fall into the “T/D” category, where power is supplied to the substation via a 69 kV or 138 kV transmission line, converted to a lower voltage by a substation transformer, and then fed to the customers via distribution circuits operating at 12 kV, 34.5 kV or 4 kV. Many of these T/D stations are configured such that the transmission line attaches to one end of the substation transmission bus via a line switch, flows through the substation bus, and then exits the far end of the substation through another line switch. Several substations may thus be “daisy chained” in series on a single transmission circuit and the substation and line switches may be opened and closed to isolate a section of the transmission line following a fault or to facilitate construction or repair of the line.

Duke Energy has also established an objective to install motorize-operation and the ability for operators to remotely control the transmission switches to allow transmission line faults to be isolated, sectionalized and loads restored much more quickly than could be accomplished by manual switch operation. Installing additional voltage sensing and control circuitry to implement “Automatic-Throw-Over” (ATO) and/or “Transmission Line Sectionalizing” (TLS) schemes within the substation can shorten the load restoration time even further.

Program Strategy

Substation projects to install an RTU and/or perform upgrades to distribution circuit and voltage regulation equipment to support the Distribution organization’s “Self Optimizing Grid” and “Integrated Voltage and VAR Control” programs have been identified in cooperation with the Distribution organization. .

During identification and scoping of substation projects, the existing transmission switches are also evaluated and replacing or upgrading the switches and their operators and controls has been included in the project scopes as needed. In addition, the transmission line configuration is considered and Transmission Operations are consulted to determine where ATO/TLS capability should be included in the project scope.

Program Benefits

Customer Experience:

- Support faster evaluation and restoration of distribution and transmission outages
- Support IVVC initiative and resulting reduced energy usage and cost

Risk management:

- Ability to identify and react to substation alarms before they evolve into equipment failure or misoperation.
- Reduce risk of switching errors due to lack of knowledge of system configuration

Operational:

- Provide real-time information of system configuration to system operators
- Provide ability to remotely and/or automatically perform switching operations.

Financial:

- Efficiency/savings from not requiring manual switching by field personnel
- Efficiency/savings from addressing substation alarms as planned vs. emergency work

T17: Ancillary Equipment Replacement

Program Description

In addition to transformers and circuit breakers, Duke Energy has established system reliability programs for proactive replacement of many other types of substation equipment including substation batteries, instrument transformers, lightning arresters, etc.. These targeted equipment replacements are typically evaluated and included into the scope of projects that are identified and being initiated for the other substation programs. They have been grouped into this single “program” within the outside consultant’s study to evaluate the cost and reliability benefits they add to the overall substation projects.

Background

Failure of any equipment within a substation can lead to interruptions of the circuits or loads supplied by the substation. For example, failure of a lightning arrester or voltage sensing instrument transformer can cause protective relays to trip an entire transmission circuit or substation bus and the resulting outage can last until a crew can be dispatched to the station, identify the failed equipment and perform switching or other corrective actions to isolate or repair the failed device before the circuit or bus can be restored to service. Duke Energy evaluates the various types, models, manufacturers, and vintages of equipment included within the substations for failure trends and then identifies system reliability programs that recommend actions such as targeted proactive replacement of the equipment to reduce the reliability risk of future failures.

Program Strategy

During scope initiation and development of substation projects identify the presence of equipment identified for targeted proactive replacement or other preventive actions and include those actions within the scope of the projects to be evaluated for inclusion in the T&D plan. Quantify the cost and benefit of this additional work within the estimates and benefit evaluation used to select the projects that will be included within the overall plan.

Program Benefits

Customer Experience:

- Reduce risk of outage due to failure of equipment on adjacent circuits

Risk management:

- Reduce risk of breaker or relay misoperation causing additional or prolonged outage

Operational:

- Additional flexibility to support equipment or line outages

Transmission

Transmission Line Upgrades

The Duke Energy Transmission organization is responsible for design, construction and maintenance of all Transmission line assets on 69kV and above including Distribution assets that are connected to Transmission assets such as wood or steel poles. The Transmission organization uses the term “program” to refer to a group of projects or similar activity to be performed at multiple locations, and the term “project” to refer to specific construction or replacement work activities to be performed at a specific location.

Within the Transmission Engineering Department, the Asset Management organization identifies and administers “System Programs” under which problematic or obsolescent types of equipment are to be systematically replaced, or other actions taken, to improve reliability performance or to reduce the risk of equipment failure. The population of equipment to which the program applies is typically identified, and then equipment selected from this population to initiate transmission line projects on a separate basis or sometimes combined to accommodate outages constraints and reduce duplicated work.

The Transmission Asset Management department also sponsors or initiates projects to achieve the objectives of the System Programs. Transmission line projects may be initiated for a variety of reasons, including proactive replacement of equipment per our System Programs that could be based upon condition of a specific pieces of equipment, equipment failures, outage frequency and outage duration. When a project is initiated its work scope can frequently include work elements from multiple System Reliability Programs and/or condition-based equipment replacements to make efficient use of engineering and construction resources and equipment outage schedules.

Federal Energy Regulatory Commission (“FERC”) accounting rules define which assets or equipment should be considered “Transmission Line” assets, and which should be “Distribution Line” by voltage classes. Many of Duke Energy Indiana’s Transmission lines will include both Transmission and Distribution assets on the same pole. Likewise many transmission line projects include both Transmission and Distribution work activities and charges.

The following sections describe several of the equipment replacement programs and/or objectives that are at the core of the Duke Energy Indiana Transmission and Distribution Plan (“T&D Plan”) transmission line projects. However, because the Transmission plan is not specifically budgeted at the program level and, because each project may include work elements from multiple programs and/or to address condition-based or transmission line specific concerns, there is not a simple nor direct correlation between the described programs and the total T&D Plan costs (*i.e.*, one cannot arrive at the total T&D Plan expenditures by simply summing the described transmission line projects and programs.)

All equipment to be installed or replaced as part of the T&D Plan will follow the standardized designs and materials established by the Duke Energy Transmission Engineering department,

whether the design and/or installation are to be performed by Duke Energy employees or by contracted resources. As a reference to clarify the work included in the T&D Plan, the current Duke Energy Indiana standard designs and the current preferred manufacturer and model/type have been summarized in a confidential document included with the work papers associated with the T&D Plan filing. However, these standards are subject to change, and it must be noted that projects performed within the T&D Plan will be engineered and constructed based on the standards that are in effect at that time.

The programs described below were identified as sufficient cause to justify a project on the transmission system. Transmission lines were selected using specific outage frequency, combined circuit outage duration, as well as the presence of specific equipment or location that presents a suspected higher impact upon failure. Once a transmission line was selected for an upgrade project a project scope was identified by the Transmission Asset Management organization by reviewing system programs to determine which would best apply to each line for rehabilitation or total replacement. Some lines identified in the Transmission T&D Plan warrant multiple system program applications. After all proposed programmatic assets are slated for upgrade or replacement a project scope is created. From this detailed project scope, a “parametric” estimate of the project cost can be calculated. This parametric method is in accordance with a “Class 4” estimate as defined by the [Association for the Advancement of Cost Engineering International](#) (“ACEC”), and this Class 4 estimate is used for the majority of projects in Years 4-6 of the T&D Plan substation projects.

As projects approach their targeted in-service year, the project and its initial Class 4 scope will be released to the Project Management organization, which will then involve Transmission Engineering and others to visit the site, validate or add details to the project scope as needed, and the Transmission Engineering Scope Development & Estimating (“SD&E”) team will then prepare a detailed ACEC Class 3 estimate utilizing the project estimation workbook. All transmission line projects planned for Year 2 & 3 (*i.e.*, 2024-2025) in the T&D Plan currently have a Class 2 estimates prepared.

As projects come even closer to their targeted in-service year, the Class 3 scope and estimate are released to Transmission Engineering and the detailed design of the project is performed. From the final design, a detailed materials list can be developed and an updated estimate for materials cost obtained for the specific Stores Items required for the project. The design drawings and outage schedule can also be reviewed by the appropriate construction department or contractor, and a firm estimate of the installation costs developed. These updated materials and labor cost estimates are then used to further update the project estimation workbook as an ACEC Class 2 estimate. All projects included in Year 1 of the T&D Plan currently have a Class 2 estimate prepared.

To be clear, the list of individually identified, scoped and estimated projects constitutes the T&D Transmission Line Plan. The following program descriptions merely explain some of the considerations that went into defining those projects.

Transmission Lines Overview

Duke Energy Indiana utilizes overhead electrical transmission lines to carry electrical power from the generating stations, between the transmission substations, and to supply that power to a distribution substation where it is stepped down and delivered to customers via distribution circuits. Duke Energy Indiana also serves some customers directly at transmission voltages. The transmission lines typically consist of three electrically-separated phase conductors operating at nominal voltages of 69 kV phase-to-phase (40 kV phase-to-ground) or higher. The nominal transmission voltages in the Duke Energy Indiana system are 69 kV, 138 kV, 230 kV and 345 kV, with one intertie substation to a neighboring utility at 765 kV.

System Voltage	Circuit Miles
345 kV	721
230 kV	650
138 kV	1,378
69 kV	2,527

In its simplest description, a transmission line consists of the electrical conductors which are physically elevated above ground level by poles or towers. At each pole or tower, “insulators” physically support the conductor and electrically isolate the energized conductor from the non-energized pole or tower. Throughout the “spans” between the poles or towers, electrical insulation between the energized conductors and between the conductors and ground is provided by the ambient air by maintaining sufficient spacing, often referred to as “clearance”. The transmission line may also contain other components such as “cross-arms” connected to the poles to support and provide horizontal spacing for the conductors, and a grounded “static” wire to provide shielding and protect the energized conductors from lightning strikes. It is also common for electrical distribution circuits and other utilities’ conductors, such as telephone and cable television, to be “under-built” by attaching to the same transmission pole below the transmission conductors.

Duke Energy Indiana has identified a number of inspection and maintenance activities to ensure and improve the continued safety and reliability of the transmission lines, as well as identified the following programs for inclusion in the T&D Plan.

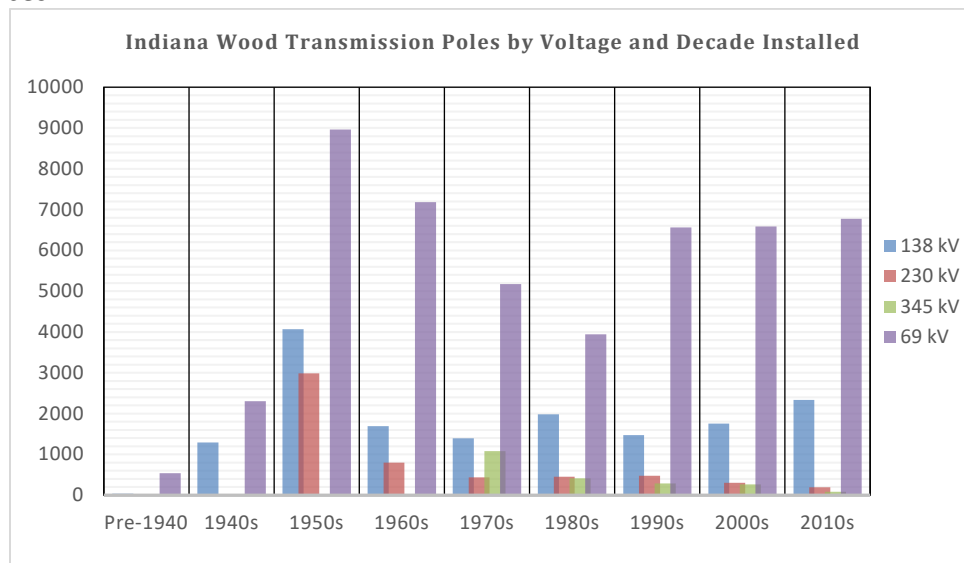
Transmission Pole Replacements

Program Description

This program will replace Transmission poles identified as defective or nearing end of life through pole inspections or transmission line assessments.

Background

Poles, multi-pole structures and towers are a critical element of an overhead transmission line. Historically, wood poles have been used for many years for transmission lines as well as for distribution lines, with approximately 73,500 wood poles currently in service throughout the Duke Energy Indiana Transmission system. The wood poles installed for this purpose have been treated using various methods to reduce susceptibility to decay, insect damage and other forms of deterioration; but over time, wood poles are subject to several different types of damage or deterioration including decay, splitting, cracking, damage from woodpeckers, and other sources.



Duke Energy Indiana changed its design and construction standards for transmission lines, and now installs “standard series steel poles” for most transmission line applications rather than wood. As poles are replaced for any reason, they will now be replaced using steel poles.

Advantages of steel poles include:

- Normally lighter than wood or concrete
- Normally longer service life than wood
- Less maintenance than wood
- Pre-engineered for shorter lead times
- Standardize new line designs and maintenance replacements
- Models of steel poles are readily available in engineering analysis and design software
- Standardization helps control pole inventory
- Other Duke Energy regions which previously moved to this standard have experienced reduction in pole-caused outages and reduced outage durations during storms.

Also, when a pole is replaced, the new pole will be constructed per the current construction standard that utilizes a vertical conductor arrangement and cantilevered horizontal insulators rather than cross-arms and suspension or vertical post insulators. In this manner, over time the number of aged wood poles and their associated wood cross-arms will be gradually reduced.



69 kV Wood Pole Construction



New 69 kV Steel Pole Construction

Ground Line Transmission inspections (“GLT”) is an ongoing wood pole inspection and replacement program. Wood pole inspection is a long-standing practice used by utilities to manage the very large wood pole asset base. The program is designed to replace or structurally modify defective Transmission poles and associated assets identified during annual pole inspections. Drone inspections are also being conducted in addition to ground line assessments. Drone inspections will give us a birds eye view of the structures and allow for more closer views of higher up assets like insulator, connections, crossarm, and wires. Mitigation plans are then applied to replace or structurally modify poles or components to address identified issues. Special cases and poles nearing end of life are identified and replacement plans are developed.

During Transmission inspections, the inspector visually inspects the Transmission poles for ground line decay, above ground decay, pole and pole top damage, loose and heavily deteriorated hardware, or other defects that threaten the system reliability and structural integrity of the pole. This inspection will also include a “sound test” with a hammer and a “probe test” using a probing device to check the structural integrity of the pole. If the sound and probe test warrant it, the inspector will also drill evaluation holes into the pole looking for signs of interior decay. If possible, a below ground-line inspection is then performed in which a

small amount of dirt is excavated around the base of the pole, allowing it to be examined for decay. The circumference of the pole is also measured and checked against a loading table to verify its integrity.

Some of the most common defects identified during GLT inspections include rotten bases, woodpecker holes, and split pole tops. Creosote and Penta wood poles are subject to ground-line rot, termite and other insect/ant damage. Historical programs attempting to control or repair these factors may extend the life of wood poles for 5-15 years, dependent upon the environment in which they are located. However, continuing woodpecker and other wildlife damage will not be prevented by this portion of the program, therefore once woodpecker holes reach a certain extent of damage the pole will be replaced rather than repaired.

Further analysis into bulk transmission system issues has revealed that poles installed from the early 1990's had a manufacturing defect where creosote treated poles were not thoroughly saturated. The creosote only penetrated the outer 2 inches of the poles. The inner core of the poles remained untreated and these poles were therefore prematurely failing due to rot and insect damage. The GLT inspection program will help identify and reduce effects of this issue on our system as well.

Inspections are typically performed by a third-party contract resource that is skilled and trained to identify the conditions listed below. Duke Energy's maintenance procedure provides the contractors with specific guidance and expectations in performing wood pole inspections including; sound & boring tests, partial and full excavation tests. Currently, the inspection list consists of the following:

- Faulty equipment or components that need repair (see checklist below) are noted during an inspection.
- Hazardous conditions that may endanger life, property, or cause an outage are turned in immediately for remediation, targeted within 30 days.
- Poles that are classified for replacement as "Priority" poles are also targeted for replacement within 30 calendar days.
- Poles that are classified for replacement as "normal reject" poles are typically scheduled and replaced during the following calendar year. For example, a pole identified for normal replacement during an inspection in July of 2016, will typically be replaced by December 31, 2017.

Inspection Checklist:

Hardware/Equipment Not Secure	Bad Cross arm
Pull Pole with joint facilities already transferred	Guy Slack/Loose/Broken
Ground Not Bonded	Bad Pole Top
Guy Not Bonded	Broken Insulator

Pull Pole with joint facilities not transferred	Primary/Secondary Visibly Too Low
Distribution Assets on T Poles	Vegetation Over-growth
Oil Leak (Distribution)	Woodpecker Holes
Damaged/Broken/Buried Guy	Preform Damaged Conduit



Groundline Deterioration



Pole Splitting

Program Strategy

There are approximately 73,000 wood transmission poles in Duke Energy Indiana’s service territory. Historically, GLT inspections have been performed at 8 year interval then 5 year interval. but to increase proactive identification of deteriorated poles and other transmission line components, and thereby improve the reliability performance of the transmission lines, Duke Energy Indiana is accelerating the GLT inspection program to inspect all poles on each transmission circuit at a 6 year interval and has changed the criteria under which poles will be replaced.

This will result in inspecting approximately 16,000 poles and 12 wood poles per year. Inspections will be performed on a line-by-line basis, and the next planned inspection year for each transmission line has been identified in the transmission line work plan.

Based on historical data and the increased replacement criteria, we estimate the rate of pole replacement will be approximately 2.2% for transmission poles. This equates to approximately 554 poles per year, or 3,323 poles over the 6-year plan. Transmission Asset Management will monitor the number of poles identified for replacement by GLT inspection each year, and if needed, select additional poles to be proactively replaced based upon in field assessments, age, critical location, or similar criteria to satisfy this planned replacement rate.

This replacement of specifically identified poles and associate assets is in addition to the transmission poles that will be replaced as part of the 69 kV circuit rebuild program described later. In total, Duke Energy Indiana plans to replace approximately 9,600 wood transmission poles within the T&D Plan.

Program Benefits

Customer Experience:

- Reduce outages caused by pole failures
- Reduce voltage sags and momentary interruptions

Risk management:

- Reduce risk of unplanned system events from pole failures
- Reduce risk of damage or injury to the public

Operational:

- Reduce unplanned outages
- Reduce or avoid emergency repair or replacement or after hours work

Financial:

- Savings from planned vs. emergency pole replacement and system restoration work

Crossarm Replacement

Program Description

This program will replace identified deteriorated or under-performing wood or fiberglass cross-arms or horizontal structure elements on transmission lines.

Background

Historically, many transmission and distribution lines were constructed utilizing “crossarms” to support and provide horizontal separation for the phase conductors. Crossarms on single poles were usually constructed using wood timbers, or in some cases fiberglass members, in either a pure horizontal or “wishbone construction” configuration. Similarly, several designs of multiple-pole structures have historically been installed using wood poles or timbers, including “H-frame” and “Gulf Port Construction” configurations.



Wishbone Construction



Gulf Port Construction

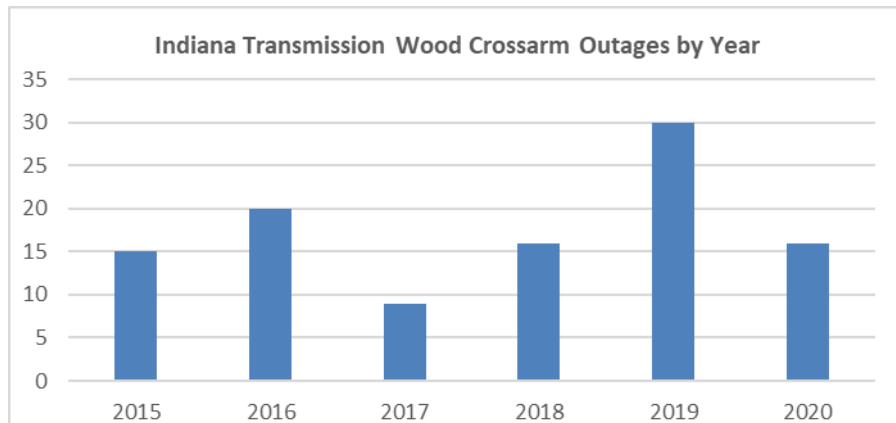
Over time, wood crossarms or cross-members are subject to many of the same types of damage or deterioration as wood poles, including decay, splitting, cracking, damage from woodpeckers, and other sources. Duke Energy Indiana identifies specific

As discussed for the pole replacement program, many of the circuits in Duke Energy Indiana’s 69 kV system were put into service over 50 years ago with a significant portion of the lines being built in the 1950s & 60s. Many of those 69 kV lines have outdated construction styles such as Wishbone and Gulf Port construction styles which utilize wood crossarms and cross-members and would be considered strong candidates for a crossarm replacement program.

However, due to the age of these lines many of the line components including the poles, crossarms, insulators, and static wires are ALL in an aged and deteriorated condition or have less than desired reliability and could be included within other component replacement programs. Therefore, eliminating the wood crossarms on these circuits in their entirety would be most effectively addressed as part of a circuit rebuild.

Program Strategy

Individual defective crossarms will be identified during the same transmission line inspections which inspect the poles and other line components. When such a defect is reported, an assessment will be made of the condition of the pole, insulators and other elements of the pole or structure, and a determination made whether to address the defect by replacing only the cross-arm, or by replacing the entire pole with a steel pole constructed per current design standards thereby eliminating the wood crossarm as well. Since most crossarms are of the same vintage as the poles on which they are mounted, we estimate that most identified defective crossarms will be addressed within the pole replacement program described previously.



Transmission Wood Crossarm Outages

Circuits with a large number of wood crossarms, such as circuits identified as Wishbone or Gulf Port construction were evaluated, and those circuits which also had multiple other identified asset concerns were considered candidates more extensive projects such as the 69 kV Line Rebuild program described below. Due to a high number of crossarm equipment outages there will be a wholesale approach to replacing them using construction types and outage activity. .

After final prioritization and selection of projects for the six-year T&D Plan, there are 2100 poles identified for wholesale replacement.

Program Benefits

Customer Experience:

- Reduce outages caused by crossarm failures
- Reduce voltage sags and momentary interruptions

Risk management:

- Reduce risk of unplanned system events from crossarm failures

- Reduce risk of damage or injury to the public

Operational:

- Reduce unplanned outages
- Reduce or avoid emergency repair or replacement or after hours work

Financial:

- Savings from planned vs. emergency pole replacement and system restoration work

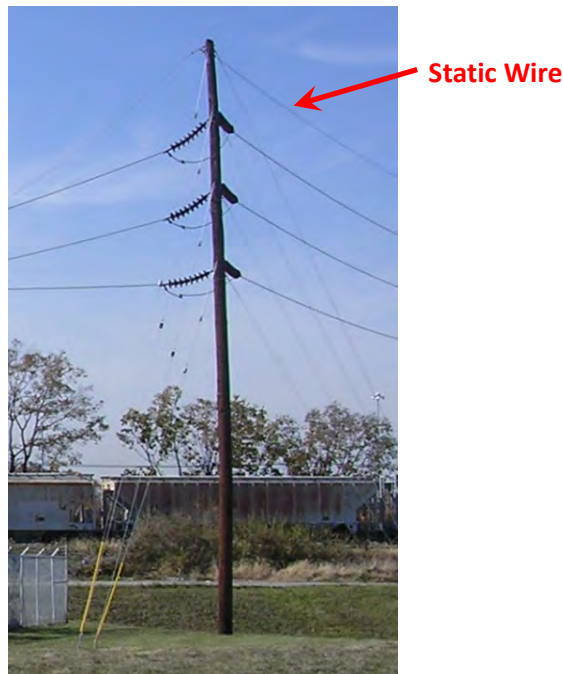
Static Wire Replacement

Program Description

This program will replace identified deteriorated or under-performing overhead ground wire on transmission lines.

Background

Most overhead transmission lines include a grounded wire at the top of the pole or tower above the phase conductors. This wire, commonly referred to as the “static wire” or “shield wire”, is designed to protect the phase conductors from direct lightning strikes by inducing the lightning to strike the grounded static wire and then carrying the lightning current safely to ground, similarly to the function of a “lightning rod” on a building or other structure. While a single-pole transmission line will typically have a single static wire, double-circuit lines or lines with the phase conductors arranged in a horizontal line may have two or more static wires.



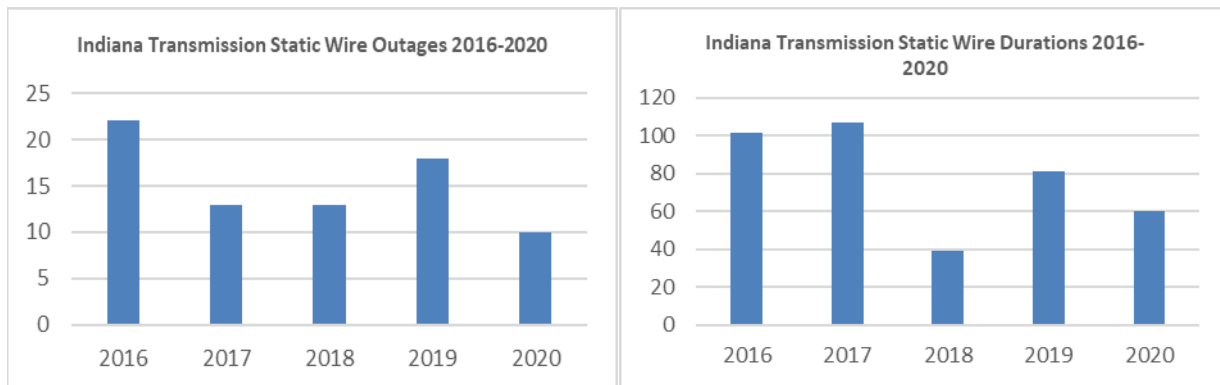
Typical Transmission Pole with Static Wire

The static wire does not carry current under normal conditions, therefore it does not require high conductivity and historically galvanized steel wire was frequently used as the static wire. However, as this wire ages the zinc galvanizing coating is gradually consumed and the underlying steel may begin to rust and lose its strength and ductility. The static wire may also experience corrosion and mechanical wear at the clamp attaching it to the transmission pole or tower, however it is difficult to visually identify corrosion under the clamps during routine line patrols. These forms of wear or corrosion weaken the conductor, which may eventually break due to wind loading or lightning events and fall into the energized phase conductors below causing a circuit outage.

Wear and corrosion may also compromise grounding performance due to high-resistance connections between the static wire and ground. Without adequate electrical connections, lightning no longer has a proper path to ground and will continue to affect other components on the pole such as cross arms, insulators, and even the pole itself. In the absence of properly sized, bonded, and physically sound ground wires, lightning has also been known to bypass static wires all together and strike the conductors directly. These events can cause immediate outages or transient voltage spikes or sags on the transmission system. Also, under these repeated electrical stresses, the other transmission assets deteriorate at a faster rate.

Much of the static wire in the Duke Energy Indiana system has been in service for 40 years or longer, especially that on the 69 kV and 138 kV circuits. Since 2016, outages caused by breaking static wire has shown an increasing trend. Over the past 4 years Duke Energy Indiana has averaged approximately 76 static wire related outages per year, with an average duration of 68 minutes per outage. The following charts below demonstrate static wire outages for all Duke Energy Indiana transmission lines, and for those specific transmission lines for which projects have been identified within the TD Plan. Even when less outages are produced; this issue can impact the duration of overall outages increasing.

By using a fault analysis and lightning detection system we have been able to correlate high frequency areas of lightning around Duke Energy lines and substations, with over 195,000 lightning strikes recorded in Duke Energy Indiana's service territory over the last 12 months. Re-bonding the static wire to the pole and replacing ground rods may provide some benefit where specific locations have been identified to show this need, but these measures do not address the mechanical integrity of the static wire itself. Therefore, a static wire replacement program has been established.



Since the 1980's, optical ground wire ("OPGW") has become a viable option for replacing transmission line static wire. In addition to replacing the deteriorated galvanized steel wire with a new, more corrosion-resistant wire, the OPGW includes a core of glass optical fibers that provide a telecommunications path between the substations at each end of the transmission line. During the project development phase of each transmission line project that includes

replacing the static wire, Duke Energy's IT/Telecommunications department is consulted to determine the desirability of installing OPGW on the circuit as part of their overall telecommunications strategic plan. Where such a need is identified, OPGW is installed instead of standard static wire.

Program Strategy

Transmission line outage history and line assessment information was reviewed to identify transmission lines with unacceptable static wire performance. These circuits were then compared to the list of circuits for other condition concerns, and those circuits for which the static wire was the only identified condition concern were considered for a project to replace the static wire.

Circuits which also had multiple other identified asset concerns were considered candidates more extensive projects such as the 69 kV Line Rebuild program described below. Due to a high correlation between the list of circuits for potential static wire replacement and other asset concerns, most circuits with identified static wire concerns were included in the 69 kV Line Rebuild program.

After final prioritization and selection of projects for the seven-year T&D Plan, no projects identified as only static wire replacement are in the current T&D Plan, however five projects on four circuits are included in the list of "Alternate" projects.

Program Benefits

Customer Experience:

- Reduce outages caused by static wire failures and lightning events
- Reduce voltage spikes, sags and momentary interruptions

Risk management:

- Reduce risk of unplanned system events from line outages.
- Reduce risk of damage or injury to the public

Operational:

- Reduce unplanned outages
- Reduce or avoid emergency repair or replacement or after hours work

Financial:

- Savings from planned vs. emergency static wire replacement and system restoration work

69 kV Line Rebuilds

Program Description

This project consists of completely replacing 69 kV transmission line assets on circuits that contain multiple components that are poor performing, obsolete, or at the end of productively useful life. Transmission lines selected for this program have been identified for multiple types of equipment replacement included within the other transmission line component replacement programs described previously, and therefore total replacement of the entire line or line segment has been determined to be the most efficient and cost effective option.

Background

As described previously, many of the 69 kV circuits in the Duke Energy Indiana service territory are composed primarily of components that have been in service for 50 years or longer and are now deteriorated and reaching the end of their effective life. Based on 2010 through 2014 outage data, the 30 circuits with the highest number of outages were all 69 kV circuits, indicating that significant investment in improving the reliability performance of the 69 kV circuits is warranted.

While individual component replacement programs have been identified for poles, crossarms, static wire, and other components of the circuit, in these aged circuits addressing the issues on a component-by-component basis would require repeated engineering design, multiple circuit outages, and crew mobilization and de-mobilization.

Executing such component-by-component programs can also increase the work required, and therefore the cost, for circuit rehabilitation. For example, replacing only a pole or crossarm requires detaching, temporarily supporting, and then reattaching the phase conductors and static wire, whereas an overall circuit rebuild that replaces these conductors simply removes the old conductors and later installs the new ones.

Therefore, Duke Energy Indiana has selected to completely rebuild all or portions of identified 69 kV circuits with multiple identified component concerns.

Program Strategy

Problematic 69 kV lines were identified through outage data and input from Transmission Maintenance field personnel. These lines were patrolled via helicopter to assess each line's overall rehabilitation needs. Many lines had multiple issues identified, such as cracking and splitting cross arms and pole tops or decaying conductor and static wires. Approximately 75% of the lines examined had more than two deteriorating sets of assets, while the other 25% had one or two issues. Approximately 55% of these worst performing lines were determined to warrant at least a partial rebuild.

The line's asset age, maintenance problem history, and outage performance were reviewed to prioritize the list of circuits to have some form of rehabilitation. The highest priority lines were further reviewed against system programs to determine the appropriate refurbish or replacement strategy. Many of the 69 kV circuits "daisy chain" through several substations,

junctions or switches, and long circuits were often divided into multiple projects of more-manageable size based on the logical separation points formed by these substations, junction points or switch locations.

In this manner, a total of 59 projects associated with 24 lines were selected for inclusion in the seven-year T&D transmission line Plan. An additional 18 "Alternate" projects on 14 circuits were also identified, scoped and estimated.

Program Benefits

Customer Experience:

- Reduce outages caused by line component failures
- Reduce voltage spikes, sags and momentary interruptions

Risk management:

- Reduce risk of unplanned system events from line outages.
- Reduce risk of damage or injury to the public

Operational:

- Reduce unplanned outages
- Reduce or avoid emergency repair or replacement or after hours work

Financial:

- Savings from planned vs. emergency static wire replacement and system restoration work

Galloping Conductor Mitigation

Program Description

This program address galloping conductor issues that have been identified on specific bulk electric transmission circuits.

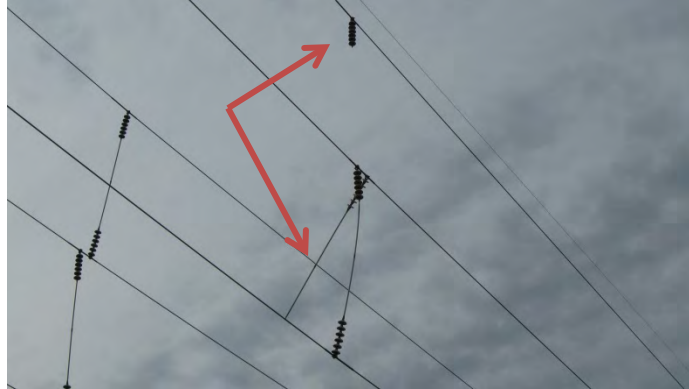
Background

“Galloping conductor” is a high amplitude, low frequency oscillation of transmission line conductors. Power lines can sway in high winds, but it is the combination of wind and ice that causes them to gallop more forcefully. Galloping occurs when freezing rain collects on transmission conductors. The freezing rain creates icicles and this oddly-shaped ice forming on the conductors which is called “ice accretion”. When wind pushes on this icicle and conductor combination it can cause them to rise and consequently a galloping or jumping motion occurs. Six millimeters of ice and a steady wind of at least 30 kilometers per hour perpendicular to the transmission line is an ideal condition to create galloping. Once ice forms on the conductor it usually adheres for the duration of the galloping motions until the wind eventually stops or the air temperature rises.

Galloping conductors can reach a magnitude that causes the conductors to come close enough to one another or to the grounded tower to cause an electrical fault. Galloping conductors also exert repetitive mechanical forces on the conductor connectors, spacers, and other components which can result in immediate or fatigue-caused mechanical failure of those components. In addition to causing circuit outages and increased repair costs, failures due to conductor galloping can present safety hazards to the general public

Several of Duke Energy Indiana’s 230 kV lines have experienced recurring problems with galloping conductors. These lines run through rural plains and farm land in the northern portion of our service territory, leaving these lines exposed to high winds and cold weathering precipitation.

Several methods have been applied in the past to reduce the occurrence and impact of galloping conductors. Interphase spacers have been installed on several 230 kV lines to help maintain appropriate phase-to-phase spacing. These spacers provide further benefit by limiting torsional (twisting) motion of conductors and absorbing conductor vibration. This design is effective for moderate forced winds but can have a shorter effective life span than the 2nd option. In high wind areas of Indiana line spacers are not strong enough to keep conductor from major galloping conditions.



Line Spacers – Note Broken Spacer

Another technique that can be used to mitigate galloping conductor problems is to re-conductor high trouble areas with “anti-galloping” conductor. This conductor has a cross-section that imitates an elliptical air foil, keeping the conductor’s profile varying continuously along its length. This design substantially cancels wind-induced forces on adjacent conductor regions, and thereby dampens vibrations in the conductor and relieves vibration-induced strain on the associated insulators, clamps, and cross arms.

To date, this galloping conductor mitigation approach has been installed on one Duke Energy Indiana transmission line.

Line Number	Mitigation Year
23032	2014

Program Strategy

The remaining circuits which have experienced recurring damage from galloping conductors have been identified and selected to have the conductors replaced with “anti-galloping” conductor within the T&D Plan.

Line Number	Planned Mitigation Year
23008	2027

Program Benefits

Customer Experience:

- Reduce risk of outages

Risk management:

- Reduce risk of unplanned events from catastrophic failures

Operational:

- Reduce unplanned outages
- Reduce or avoid emergency repair or replacement or after hours work

Financial:

- Savings from planned vs. emergency and system restoration work
- Savings from preventing major equipment failures

Aluminum H-Structure Replacement

Program Description

This program will replace an aluminum H-Structure with a self-supporting steel dead-end structure approximately every 2.5 circuit miles. This will reduce the number of adjacent structures within each circuit that could potentially experience cascading failure.

Background

Duke Energy Indiana has slightly over 700 miles of 345 kV transmission lines, with approximately 80% of the system constructed on aluminum H-Frame structures designed and manufactured by the Kaiser Tower Company. These lines were constructed in the mid-1970's, and several different structures designs were used, including the "Type A", "Type B", and "Type C" square base designs and later the "Type AR", "Type BR", and "Type CR" rectangular base designs.

Beginning in the mid-1970's several utilities experienced structural failure of one or more of the aluminum structures under high winds or other unbalanced mechanical loading conditions. Furthermore, when an initial tower failure occurs the resulting unbalanced line tensions applied to the adjacent structures have then caused those adjacent structures to fail as well in a "cascading" domino-like manner.

Duke Energy Indiana has experienced at least 4 cascading failures on circuits constructed with aluminum H-structures. The first major failure occurred in 1975 during a storm when 68 structures failed. The second occurred in 1987 during a storm when 18 structures failed. The third failure occurred in 2006 during a storm when 71 structures failed. Since the program has started there have been even more failures to other lines with these same issues of cascading. In 2012 there was another failure bringing down 30 structures which left residents without power for days.

After the 1975 event that resulted in multiple structure failures, Public Service Indiana (now Duke Energy Indiana) contracted the firm of Sargent and Lundy Engineers to perform an analysis and recommendation of the Kaiser tower failures. Based on their findings, there are two primary failure modes affecting these towers.

The first cause of failure is the lack of structural stability in the longitudinal (parallel to wires) direction. Sargent and Lundy's analysis shows tower types A, B, and C were found to have a capacity lower than the recommended 90 mph wind in the longitudinal direction with the static wires still intact to assist in stability, and negligible longitudinal capacity without the static wire support. This was a recognized industry problem that resulted in the Kaiser Tower Company discontinuing production of these towers (types A, B, and C) and releasing modified models (types AR, BR, and CR).

The second failure mode is unbalanced loading. This can be due to broken wire(s), and/or a structure failing causing the loading it was supporting to shift to adjacent structures. This type of failure has shown to cause multiple structure failures known as a "cascade" failure event.

Sargent and Lundy recommended installing "storm guy wires" to support the structures in the longitudinal direction to support a minimum of a 25-year return period wind (70 mph) and minimize the loss due to "cascade" failure events. However, these are lattice structures made up of individual smaller members. Experience has shown since the "storm guys" were installed, that the structure may be globally stable, however these individual smaller members are not designed to support concentrated loads of the guy wires causing an overload of that individual member resulting in failure. In other instances of a broken wire where the guy attachments supported the load, the lattice arm members supporting the wire were not able to stabilize the unbalanced load resulting in failure of the arm and further "cascade" failure of multiple structures and miles of circuit.

The circuits constructed with the aluminum H-structures were originally constructed with dead-end structures installed only at corners in excess of 15 degrees. Many sections of these circuits run for long distances before a dead-end structure is encountered. These long sections are currently at risk for long cascading failures initiated by the failure of a single structure under heavy winds or similar conditions.

The design of these lines complied with the 1973 National Electrical Safety Code ("NESC") which was in effect at the time these lines were constructed. Longitudinal loading capability was not addressed by the NESC until the 1977 edition. Beginning with the 1977 Edition, NESC Rule 252C6 recommends that structures with longitudinal strength capability be provided at reasonable intervals along the line. The rule intentionally does not specify the method by which such capability should be achieved. The current edition 2002 NESC Rule 252C6 remains unchanged from the 1977 NESC Rule.

Based upon the history of failures in this design of towers, Duke Energy Indiana has established a program to mitigate the risk of cascading failure of the 345 kV lines constructed with the "Type A", "Type B", and "Type C" square base towers. There are a total of 1,720 of these towers on the Duke Energy Indiana 345 kV system, which were installed in several lines built between 1973 and 1976.

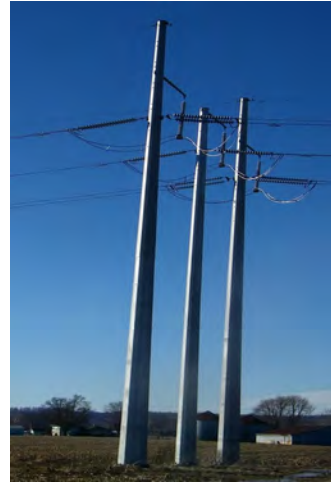
Complete replacement of all aluminum structures would reduce the risk of both an initial structural failure due to high winds as well as the resulting cascading failure of adjacent structures. That option, however, would be prohibitively expensive (on the order of \$1 Billion), would require multiple long outages spread over several years for each circuit, and only provide mitigation benefits for one circuit at a time.

Duke Energy Indiana has therefore chosen to reduce the risk and magnitude of potential cascading failures by replacing selected aluminum structures with "intermediate" self-supporting steel dead-end structures located at intervals along each line. While eliminating

those specific aluminum structures as a possible initiating structural failure, the primary benefit of this approach is to limit the number of aluminum structures that could be involved in a cascading failure, and thereby reduce the time required for repair and restoration if a failure were to occur.



345 kV Aluminum H-Structure



345 kV Self-Supporting Dead-end Structure

In 2011 Duke Energy Indiana began replacing existing aluminum structures with self-supporting steel dead-end structures at 5 mile intervals on selected lines, which represents a self-supporting structure approximately every 25 structures. Upon completing that plan Duke Energy chose to reduce the interval for this program to approximately 2.5 mile intervals, limiting the potential for cascading failures to approximately 12 structures. The following lines have been mitigated to 5 mile 2.5 mile intervals in this manner:

Line	Construction Year	Exposure Outcome (Miles)	No. of Structures
34507	2011	5	3
34517	2011	5	7
34506	2014	5	4
34521	2014	5	3
34521	2016	2.5	14
34528	2017	2.5	22
34540	2017	2.5	8
34531	2019	2.5	1
34511	2020	2.5	10
34517	2022	2.5	8

345kV Kaiser Tower Mitigation

Program Strategy

Within the T&D Plan, Duke Energy Indiana will continue the plan to reduce exposure to cascading failure of aluminum H-structures to approximately 2.5 miles, addressing 345kV circuit 34507. At this point all lines with Aluminum Kaiser towers will have been mitigated to 5 miles of exposure and leave one circuit, 34507, to be address to a 2.5 mile interval.

Program Benefits

Customer Experience:

- Reduce risk of prolonged outages

Risk management:

- Reduce risk of cascading failures of aluminum structures
- Reduce risk of public damage or injury from failed aluminum structures
- Reduce risk of outages that seriously impact Bulk Electric System

Operational:

- Reduce occurrence and duration of unplanned line outages
- Reduce or avoid emergency repair or replacement or after hours work

Financial:

- Savings from planned vs. emergency and system restoration work
- Savings from reducing the number of towers failed during a cascading failure

Transmission Line Switch Replacement

Program Description

This program replaces identified problematic, obsolete, under-rated switches which are pole-mounted components of the overhead transmission lines. This program may also include the addition of new switches at transmission line locations where Operations had identified the need for additional isolation or sectionalization of the transmission lines.

Background

Duke Energy Indiana has historically installed Transmission line switches to allow sectionalizing transmission lines to isolate faulted sections of the line during outages to allow restoration of the un-faulted sections of the line. This approach also allows both restoration and planned work to be performed on de-energized sections of the line more safely than if the work needed to be performed with the circuit energized.

Over time, these switches can become unreliable as the pivot points and linkages wear and lubricated hinges and joints age and stiffen. Many existing switches are mounted on wood poles and over time the wood poles may warp and twist, often resulting in subtle but significant changes to blade alignment and operator pipe settings on the switches. Binding in the operating pipes and linkages increases the risk of component failures or misoperation. When switches are not in correct alignment, don't function optimally, or are not safe for use it can lead to switches that can only be used when the line is de-energized, as they are unable to be reliably opened to loop split or drop changing currents.

The current-carrying portions of the switches are also subject to aging and deterioration. Contact surfaces may wear and pit from repeated operation, and contact springs may weaken, leading to poor electrical contact and resulting heating of the contact areas.

For older switches, repair and replacement parts may no longer be available, or become excessively expensive and/or require long lead times, having parts specifically reverse-engineered and manufactured, or other similar issues that lead to prolonged and expensive repairs.

Many of the older switches were rated for only 600A continuous current and are now a limiting factor when transferring loads or reconfiguring the system during planned or unplanned system outages. These switches may also have lower capability to interrupt current when the switch attempts to open under load or line charging currents. When such a switch attempts to open, an arc develops between the jaw contact and the blade and may migrate into a phase-to-ground or phase-to-phase fault event, causing the line relays to operate to de-energize the line and extinguish the arc.

As system loading increases, and as more frequent switching operations are needed to support the increasing number of outages planned for various project work, switches that do not

function reliably create the risk of causing or extending the duration of line outages line outages.

Proactive replacement of identified problematic switches with new switches that meet the current standard for new transmission line construction can resolve all of these identified issues in a cost effective manner.

Program Strategy

Specific poorly performing or under-rated transmission line switches have been identified by System Operations and Transmission Line Maintenance personnel. These switches were compared to the list of identified transmission line upgrade projects and replacing the switches was incorporated into the scope of those projects where possible. In cases where a switch was identified for replacement but there was no corresponding line project planned, a project was created specifically to replace that switch.

In addition to addressing the specific switches identified in this manner, the scope for each 69kV Line rebuild project was assessed, and where appropriate, will replace all transmission line switches that are mounted on wood poles that will be replaced by the line rebuild project.

Including both manually-operated and motor-operated transmission line switches, the transmission line Plan includes replacing 70 switches on transmission line projects.

Program Benefits

Customer Experience:

- Reduce risk of outages due to switch misoperation
- Support timely sectionalization and restoration of load following line outages

Risk management:

- Reduce risk of outages due to switch malfunction

Operational:

- Reduce occurrence and duration of unplanned line outages
- Reduce or avoid emergency repair or replacement or after hours work

Financial:

- Savings from planned vs. emergency and system restoration work

Transmission Line Switch Motor Mechanisms & SCADA

Program Description

This program will install motorized-operation mechanisms and remote status and control capabilities on transmission line switches.

The switches included within this program are distinguished from switches included in the substation “Add Remote Monitoring & Control to Substation Line Switches” by the fact that the switches included within the Transmission Line program are located on transmission line poles outside of, or evenly located at a significant distance from, the substation.

Background

For many “distribution” substations, power is supplied to the substation via a single “tap” off of a 69 kV or 138 kV substation. For such substations, there are often one or more switches mounted on the transmission line poles to allow the transmission line to be sectionalized on either side of the substation tap, thus allowing sectionalization of the transmission line to isolate a faulted section of line, or allow planned work on a section of line, while restoring or maintaining power supply to the substation. Transmission line switches may also be located at “junctions” or other locations on the transmission lines to provide sectionalizing and reconfiguration capability.

In many cases, the transmission line switches are currently manually operated, and not equipped with motor-driven operators nor the capability to remotely monitor and control the switch via Supervisory Control and Data Acquisition (“SCADA”). However, Duke Energy Indiana has established an initiative to increase the number of transmission line switches that are equipped with motor operators and SCADA status and control. The motorized and remotely controlled equipment will support faster sectionalization and restoration following line faults, as well as allow faster and easier switching operations under normal switching conditions.

For switches that are located sufficiently close to a SCADA-equipped substation, motor mechanisms can be installed, and the status and control connected to the substation Remote Terminal Unit (“RTU”). Where required, line voltage sensors and control relays may also be installed to provide Auto-Throwover (“ATO”) capability to automatically transfer a substation to whichever side of the line remains energized following a line fault.

For switches that are too distant to be effectively controlled from an existing substation, a “junction substation” is created consisting of the motor operators, and pad-mounted cabinets to house the RTU, battery bank and battery charger, and associated communication equipment. Where required, these junction substations can also include ATO capability.

Program Strategy

Duke Energy Indiana System Operations department, and in some cases the Joint Transmission System Owners or major customers, have identified transmission line switches where motor operators and SCADA control will provide significant benefit. In addition, as project scopes were developed for each 69kV line rebuild project was developed, the switches included within that line were evaluated for the feasibility and benefit provided by adding motor operations and SCADA control. Wherever practical, adding this remote operation capability to these switches has been included in the scope of the appropriate transmission line projects. The transmission line Plan includes adding remote monitoring and control to 93 switches within the scope of 68 projects.

Program Benefits

Customer Experience:

- Reduce duration of outage caused by transmission line problems.

Risk management:

- Reduce risk of switching errors due to lack of knowledge of system configuration

Operational:

- Provide real-time information of system configuration
- Provide capability to perform switching operations remotely

Financial:

- Reduced labor cost for travel time and manual switching

Transmission Lattice Tower Cathodic Protection

Program Description

This program is intended to be utilized to mitigate corrosion issues on aged tower lines with known deficiencies or exceeding 25 years in age. Duke Energy Indiana plans to mitigate infrastructure corrosion by performing any or all of the following; soil property testing, excavation of soils from tower legs, measurement and determination of the percent metal loss, coatings application, the installation of replacement or reinforcing angles, and installation of cathodic protection.

Background

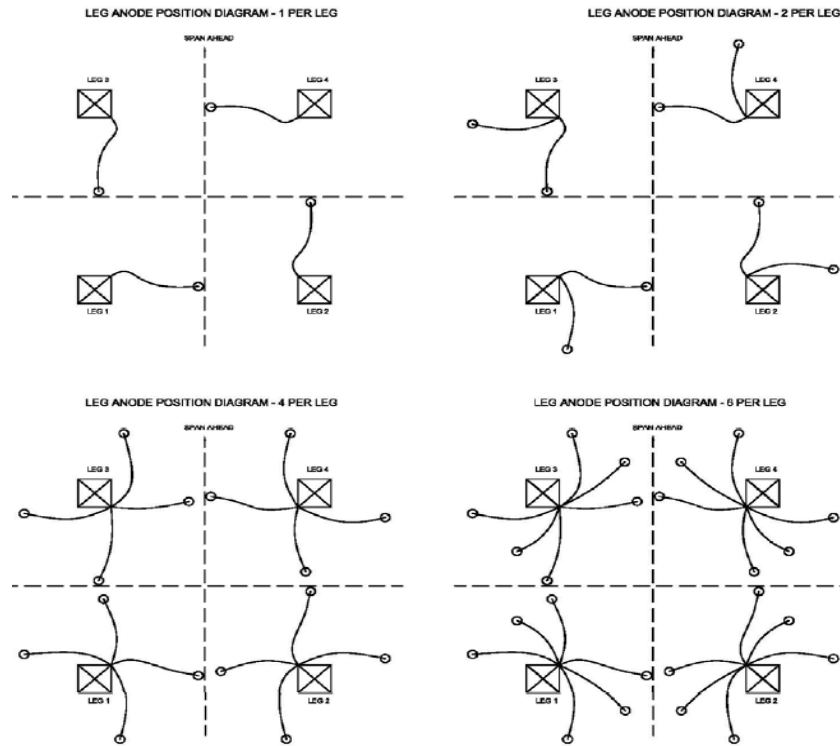
The health of a transmission line depends on periodic assessment of its structures, hardware, and components. Infrastructure corrosion due to environmental conditions can cause reliability issues if left unchecked. Steel towers are a critical element of an overhead transmission line. Historically, lattice steel towers have been used for many years for transmission bulk and common lines, with approximately 4520 towers currently in service throughout the Duke Energy Indiana Transmission system with an average age of 1950 and some towers approaching 100 years old.

Program Strategy

Duke Energy Indiana's Cathodic Protection program will look at defective towers or towers older than 25 years with direct contact with soil shall have cathodic protection installed on each leg to protect from corrosion. This includes grillage foundations and concrete footers covered by soil.

Anodes will be composed of 48# HP pre-packaged magnesium anodes. Only Duke Energy approved anodes and suppliers will be used for this work. Duke Energy requires an anode with a 7 strand #10 lead wire from the anode to the tower. Lead wires and the tops of anodes shall be a minimum of 12" below ground and should be installed vertically in an augered hole approximately 6' in depth.

Connection to the tower leg shall be a bolted connection on the inside face of the leg post angle steel. The lead will be trained down the steel to a depth of 12" before being turned towards the anode. Anodes will be positioned as shown in the diagram below for 1, 2, 4 or 6 anodes per leg.



NOTE: BOLTED CONNECTION TO TOWER AND LEAD TRENCHED TOWARDS ADJACENT LEG, ~5-10' DEPENDING ON LEG SPACING.

Tower Anode Placement

Installation of Do Not Climb signs is also required on lattice structures. For this program, if there is no signage or existing signage is unreadable, a new sign is to be installed on a leg using an existing available bolt hole. The sign will be assessed by doing a number of tests on the structure and environment around.

The test will be focused on Soil, Galvanization, and Electrical Properties including: Galvanization thickness above and below grade, soil resistivity measurements at a depth of 4', 8', and 12', Soil pH, Redox measurement, calculating it's half-cell potential. A Corrosion Activity report will then illustrate the results of these test and will tell us whether a tower's corrosive condition as very low, mild, moderate, or severe. Duke Energy Transmission Asset Management will then assess the findings and recommend minor repairs, leg re-stabilization, or total replacement.

Program Strategy

Duke Energy plans to add anodes to every leg of approximately 1180 towers during this plan. Material for the anodes can fluctuate and is lower Duke Energy plans to address as many towers within the program budget. Towers can be replaced, or tower legs can be repaired. Image of a repaired tower leg is show below.



Tower Leg Repair

Program Benefits

Customer Experience:

- Reduce duration of outage caused by transmission line problems.

Risk management:

- Reduce corrosion to towers extending the life of towers.
- Reduce risk of public damage or injury from failed towers
- Reduce risk of outages that seriously impact Bulk Electric System

Operational:

- Avoid emergency repair or replacement or after hours work

Financial:

- Savings from potential planned vs. emergency and system restoration work
- Savings from reducing tower replacements in the future by extending life of tower.

Transmission Line Upgrade Program Benefits

As a whole, the Transmission Line Upgrade projects comprising the Duke Energy T&D Plan will provide the following benefits.

Customer

- Fewer outages or voltage sags due to equipment failure or lightning
- Faster evaluation and restoration of service when outages occur

Risk management

- Reduced risk of unplanned outages due to equipment failure
- Reduced risk of expanded outages due to cascading failure of transmission line structures
- Reduce risk of damage or injury to the public

Operational

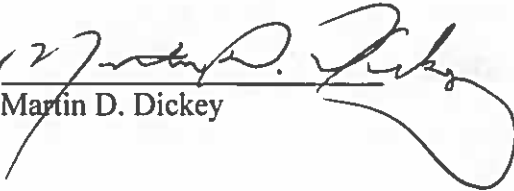
- Fewer outages leading to system imbalance or abnormal system configurations
- Better real-time information on system configuration provided to Operations personnel
- Ability to perform routine or restorative switching automatically or remotely without requiring personnel to travel to the switch
- Reduced or avoided emergency repair or replacement or after-hours work

Financial

- Balanced and predictable rate of investment over time
- Efficiency/savings from planned vs. emergency replacement of equipment
- Reduced costs for outage restoration and repair

VERIFICATION

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

Signed: 
Martin D. Dickey

Dated: November 23, 2021