# Polk - Waukegan HVDC

## General Information

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| Proposing entity name | Proprietary & Confidential Information |
| Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project? | Proprietary & Confidential Information |
| Joint proposal ID | Proprietary & Confidential Information |
| Company proposal ID | Proprietary & Confidential Information |
| PJM Proposal ID | 33 |
| Project title | Polk - Waukegan HVDC |
| Project description | Construct a new 2,800 MW, 525 kV HVDC transmission link between Polk and Waukegan using overhead, underground, and submarine segments. The project includes new converter stations at Polk and Waukegan and new 345 kV and 765 kV facilities to interconnect to and enhance the existing transmission system, including a new Polk 765 kV substation on the Wilton-Dumont line. |
| Email | Proprietary & Confidential Information |
| Project in-service date | 06/2034 |
| Tie-line impact | No |
| Interregional project | No |
| Is the proposer offering a binding cap on capital costs? | Yes |
| Additional benefits | Proprietary & Confidential Information |

## Project Components

1. 56) State Line – Waukegan 525 kV
2. 118) Waukegan 345kV – Waukegan 525 kV Converter Station Tie-in
3. 119) Polk – State Line 525 kV

4. 156) Polk - State Line 525 kV
5. 48) Polk 525 kV Converter Station
6. 54) Waukegan 525 kV Converter Station
7. 179) Polk Substation 345 kV
8. 184) Polk 765 kV Substation
9. 110) St John - Crete 345 kV loop-in
10. 111) University Park – Olive 345 kV loop-in
11. 113) Wilton - Dumont 765 kV loop-in
12. 114) Davis Creek - Burman 345 kV loop-in
13. 115) Davis Creek - Bloom 345 kV loop-in
14. 117) Waukegan 345 kV Substation Upgrade
15. 192) East Frankfort 345 kV Substation Upgrade

## Greenfield Transmission Line Component

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|---|---|---|
| Component title | 56) State Line – Waukegan 525 kV | |
| Project description | Proprietary & Confidential Information | |
| Point A | UG/UW Geographic Transition Point | |
| Point B | Waukegan | |
| Point C | None | |
| | Normal ratings | Emergency ratings |
| Summer (MVA) | 2800.000000 | 2800.000000 |
| Winter (MVA) | 2800.000000 | 2800.000000 |
| Conductor size and type | One (1) cable per pole with one (1) DMR cable. Single Bundle of two (2) 6000kcmil copper XLPE cable [1-6000kcmil cable/pole] with one (1) 6000kcmil copper XLPE DMR cable. | |
| Nominal voltage | DC | |
| Nominal voltage | 525 | |

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| Line construction type | Submarine |
| General route description | The proposed State Line - Waukegan 525 kV transmission line componet originates at the State Line substation and terminates at the Waukegan substation, traversing through 2 counties, including Lake County, Indiana; Lake County, Illinois. The line is proposed as an underwater single circuit 525 kV transmission facility. |
| Terrain description | The proposed State Line - Waukegan 525 kV component will consist of a submarine HVDC cable installed along the bed of Lake Michigan. |
| Right-of-way width by segment | The proposed route would require lakebed authorization and/or an easement from the Illinois Department of Natural Resources (IDNR). A 350-foot-wide right-of-way (ROW) is proposed for the submarine cable to provide sufficient space for installation, maintenance, and, if necessary, retrieval of the cable to a barge for splicing or repair. The final ROW width will be subject to review and approval by IDNR. |
| Electrical transmission infrastructure crossings | See Attachment 4 |
| Civil infrastructure/major waterway facility crossing plan | See Attachment 5 (Crossing Plan) and Attachment 4 (Google Earth.kmz file) for crossing plans and locations. |
| Environmental impacts | Environmental constraints associated with the proposed State Line - Waukegan 525 kV project centerline and are considered manageable through avoidance, minimization, and mitigation during routing, siting, design, and permitting. The proposed component was developed to maximize the use of existing utility and transportation corridors, previously disturbed areas, and compatible land uses, where practicable. Route alternatives were evaluated through environmental screening, aerial imagery review, GIS analysis, and constructability assessments. The project evaluated opportunities for co-location with existing infrastructure, land use considerations, permitting considerations, and other project-specific factors to avoid and minimize impacts to sensitive environmental resources, to the extent practicable. Additional details on preliminary routing and feasibility are included in Attachment 14 (Routing Supplemental Attachment). Industry-standard environmental construction Best Management Practices and Time-of-Year restrictions will be implemented to minimize impacts to natural and cultural resources encountered by the proposed project. Based on environmental reviews completed to date, no fatal environmental flaws or significant constraints have been identified that would preclude permitting, construction, or operation of the Project. Identified impacts are anticipated to be manageable through standard permitting, agency coordination, route refinement, and mitigation. Additional details on the anticipated environmental permitting approach and a description of the federal, state, and local regulatory environment is included in Attachment 8 (Environmental and Permitting Plan). |
| Tower characteristics | Direct Bury. |
| Construction responsibility | Proprietary & Confidential Information |

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| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $619,990,202.00 |
| Component cost (in-service year) | $701,939,957.00 |

## Greenfield Transmission Line Component

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|---|---|---|
| Component title | 118) Waukegan 345kV – Waukegan 525 kV Converter Station Tie-in | |
| Project description | Proprietary & Confidential Information | |
| Point A | Waukegan | |
| Point B | Waukegan | |
| Point C | NA | |
| | Normal ratings | Emergency ratings |
| Summer (MVA) | 2228.000000 | 2292.000000 |
| Winter (MVA) | 2396.000000 | 2452.000000 |

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| Conductor size and type | 2xCurlew ACSS |
| Nominal voltage | AC |
| Nominal voltage | 345 |
| Line construction type | Overhead |
| General route description | The route is located primarily within and immediately adjacent to the substation properties and is intended to provide a direct interconnection between the existing Waukegan 345 kV Substation and the proposed Waukegan 525 kV converter station |
| Terrain description | Terrain along the short alignment is generally consistent with the surrounding substation sites and is not expected to present significant constraints to construction. |
| Right-of-way width by segment | The proposed component will require a 150-ft right-of-way. |
| Electrical transmission infrastructure crossings | See Attachment 4 (Google Earth .kmz file) for crossing locations. |
| Civil infrastructure/major waterway facility crossing plan | See Attachment 5 (Crossing Plan) and Attachment 4 (Google Earth .kmz file) for crossing plans and locations. |
| Environmental impacts | Due to the short length of the proposed tie line and its location within and immediately adjacent to the proposed substation properties, environmental impacts are anticipated to be limited. Potential impacts will be evaluated during detailed design and addressed through applicable permitting, consultation, and mitigation requirements. |
| Tower characteristics | Delta SWAK. See structure drawing set included in Attachment 10. |
| Construction responsibility | Proprietary & Confidential Information |
| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |

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| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $5,158,387.00 |
| Component cost (in-service year) | $5,882,703.00 |

## Greenfield Transmission Line Component

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|---|---|---|
| Component title | 119) Polk – State Line 525 kV | |
| Project description | Proprietary & Confidential Information | |
| Point A | OH/UG Geographic Transition Point | |
| Point B | UG/UW Geographic Transition Point | |
| Point C | NA | |
| | Normal ratings | Emergency ratings |
| Summer (MVA) | 2800.000000 | 2800.000000 |
| Winter (MVA) | 2800.000000 | 2800.000000 |
| Conductor size and type | Two (2) cables per pole with one (1) DMR cable. Two (2) 3000kcmil copper XLPE cables/pole with two (2) 3000kcmil copper XLPE cables installed in a 2 Row by 3 Column concrete encased duct bank. Each cable to be placed in its own duct. | |
| Nominal voltage | DC | |
| Nominal voltage | 525 | |
| Line construction type | Underground | |

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| General route description | The proposed Polk - State Line 525 kV (Underground Segment) transmission line componet originates at the State Line substation and terminates at the UG/OH geographic handoff point substation, traversing through 2 counties, including Cook County, Illinois; Lake County, Indiana. The line is proposed as an underground single circuit 525 kV transmission facility. The route is primarily located within developed, wetlands, and herbaceous terrain and follows existing right-of-way for approximately 95% of the route and will require new right-of-way for approximately 5% of the route. The component generally follows existing infrastructure corridors where practicable, such as major roadways, existing transmission corridors, rail corridors, and utility rights-of-way, in order to minimize environmental and land use impacts. |
| Terrain description | The proposed Polk - State Line 525 kV (Underground Segment) component traverses terrain that is generally characterized by relatively flat terrain, consisting primarily of developed, wetlands, and herbaceous land uses. The topography along the route includes low-relief plains within the Central Corn Belt Plains ecoregion. Subsurface conditions generally consist of limestone and dolostone overlain by Orthents, Urban land, and Watseka loamy fine sand. Population and development characteristics along the proposed route consist of a mixed rural-residential and suburban setting, with intermittent residential subdivisions and localized development present along select portions of the alignment; however, these areas appear limited and manageable through standard routing, siting, and stakeholder coordination practices. Please see Attachment 14 for detailed route analysis. |
| Right-of-way width by segment | The proposed 525 kV transmission line will utilize a 30-foot-wide right-of-way (ROW) along the route. Approximately 95% of the proposed route is anticipated to parallel, co-locate within, or expand upon existing transmission or utility corridors, while the remaining approximately 5% of the route will consist of new greenfield ROW. |
| Electrical transmission infrastructure crossings | See Attachment 4 (Google Earth .kmz file) for crossing locations. |
| Civil infrastructure/major waterway facility crossing plan | See Attachment 5 (Crossing Plan) and Attachment 4 (Google Earth .kmz file) for crossing plans and locations. |

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| Environmental impacts | Environmental constraints associated with the proposed Polk - Des Plaines 525 kV (Overhead) project centerline and are considered manageable through avoidance, minimization, and mitigation during routing, siting, design, and permitting. The proposed component was developed to maximize the use of existing utility and transportation corridors, previously disturbed areas, and compatible land uses, where practicable. Route alternatives were evaluated through environmental screening, aerial imagery review, GIS analysis, and constructability assessments. The project evaluated opportunities for co-location with existing infrastructure, land use considerations, permitting considerations, and other project-specific factors to avoid and minimize impacts to sensitive environmental resources, to the extent practicable. Additional details on preliminary routing and feasibility are included in Attachment 14 (Routing Supplemental Attachment). Industry-standard environmental construction Best Management Practices and Time-of-Year restrictions will be implemented to minimize impacts to natural and cultural resources encountered by the proposed project. Based on environmental reviews completed to date, no fatal environmental flaws or significant constraints have been identified that would preclude permitting, construction, or operation of the Project. Identified impacts are anticipated to be manageable through standard permitting, agency coordination, route refinement, and mitigation. Additional details on the anticipated environmental permitting approach and a description of the federal, state, and local regulatory environment is included in Attachment 8 (Environmental and Permitting Plan). |
| Tower characteristics | Underground Duct Bank. |
| Construction responsibility | Proprietary & Confidential Information |
| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |

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| Total component cost | $303,676,013.00 |
| Component cost (in-service year) | $348,325,991.00 |

## Greenfield Transmission Line Component

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|---|---|---|
| Component title | 156) Polk - State Line 525 kV | |
| Project description | Proprietary & Confidential Information | |
| Point A | Polk | |
| Point B | OH/UG Geographic Transition Point | |
| Point C | NA | |
| | Normal ratings | Emergency ratings |
| Summer (MVA) | 2800.000000 | 2800.000000 |
| Winter (MVA) | 2800.000000 | 2800.000000 |
| Conductor size and type | 3xChukar ACSR | |
| Nominal voltage | AC | |
| Nominal voltage | 525 | |
| Line construction type | Overhead | |
| General route description | The proposed Polk - State Line (Overhead) transmission line componet originates at the Polk substation and terminates at the OH/UG Geographic handoff substation, traversing through 2 counties, including Will County and Cook County, Illinois. The line is proposed as an overhead single circuit 525 kV transmission facility. The route is primarily located within agricultural, developed, and forested terrain and follows existing right-of-way for approximately 12% of the route and will require new right-of-way for approximately 88% of the route. The component generally follows existing infrastructure corridors where practicable, such as major roadways, existing transmission corridors, rail corridors, and utility rights-of-way, in order to minimize environmental and land use impacts. | |

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| Terrain description | The proposed Polk - State Line (Overhead) component traverses terrain that is generally characterized by relatively flat to gently rolling terrain, consisting primarily of agricultural, developed, and forested land uses. The topography along the route includes low-relief plains within the Central Corn Belt Plains ecoregion, with slope conditions characterized by gentle slopes ranging from approximately 0 to 5 percent. Subsurface conditions generally consist of dolostone overlain by Beecher silt loam, Milford silty clay loam, and Ashkum silty clay loam. Population and development characteristics along the proposed route consist of primarily rural areas with scattered residential development, isolated homes, and agricultural parcels, with limited proximity to developed residential areas . Please see Attachment 14 for detailed route analysis. |
| Right-of-way width by segment | The proposed 525 kV transmission line will utilize a 200-foot-wide right-of-way (ROW) along the route. Approximately 12% of the proposed route is anticipated to parallel, co-locate within, or expand upon existing transmission or utility corridors, while the remaining approximately 88% of the route will consist of new greenfield ROW. |
| Electrical transmission infrastructure crossings | See Attachment 4 (Google Earth .kmz file) for crossing locations. |
| Civil infrastructure/major waterway facility crossing plan | See Attachment 5 (Crossing Plan) and Attachment 4 (Google Earth .kmz file) for crossing plans and locations. |
| Environmental impacts | Environmental constraints associated with the proposed Polk - Des Plaines 525 kV (Overhead) project centerline and are considered manageable through avoidance, minimization, and mitigation during routing, siting, design, and permitting. The proposed component was developed to maximize the use of existing utility and transportation corridors, previously disturbed areas, and compatible land uses, where practicable. Route alternatives were evaluated through environmental screening, aerial imagery review, GIS analysis, and constructability assessments. The project evaluated opportunities for co-location with existing infrastructure, land use considerations, permitting considerations, and other project-specific factors to avoid and minimize impacts to sensitive environmental resources, to the extent practicable. Additional details on preliminary routing and feasibility are included in Attachment 14 (Routing Supplemental Attachment). Industry-standard environmental construction Best Management Practices and Time-of-Year restrictions will be implemented to minimize impacts to natural and cultural resources encountered by the proposed project. Based on environmental reviews completed to date, no fatal environmental flaws or significant constraints have been identified that would preclude permitting, construction, or operation of the Project. Identified impacts are anticipated to be manageable through standard permitting, agency coordination, route refinement, and mitigation. Additional details on the anticipated environmental permitting approach and a description of the federal, state, and local regulatory environment is included in Attachment 8 (Environmental and Permitting Plan). |
| Tower characteristics | Guyed Lattice and Self-Supported Lattice. See structure drawing set included in Attachment 10. |
| Construction responsibility | Proprietary & Confidential Information |

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| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $111,848,040.00 |
| Component cost (in-service year) | $126,709,762.00 |

## Greenfield Substation Component

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| Component title | 48) Polk 525 kV Converter Station |
| Project description | Proprietary & Confidential Information |
| Substation name | Polk Converter Station |
| Substation description | Construct a new 525 kV Polk converter station adjacent to the Polk 765kV substation footprint. |
| Nominal voltage | DC |
| Nominal voltage | 525 |

## Transformer Information

None

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|---|---|---|
| Major equipment description | 525kV HVDC Bipole Converter Station, 2800 MW | |
| | Normal ratings | Emergency ratings |
| Summer (MVA) | 2800.000000 | 2800.000000 |
| Winter (MVA) | 2800.000000 | 2800.000000 |
| Environmental assessment | Environmental constraints were evaluated within the proposed substation site and are considered manageable through avoidance, minimization, and mitigation measures. The parcel contains four NWI-mapped wetlands. According to FEMA data, a small portion of the proposed substation layout may contain a 100-year floodplain. However, no regulated floodways were identified. No major watercourses are located within the parcel, although overland flow is assumed to drain to unnamed tributaries Pike Creek. No fatal flaws have been identified. Based on publicly available information, no previously recorded archaeological sites, cemeteries, or historic districts are located within the immediate vicinity of the site. However, one undetermined historic property was identified by the SHPO, in the vicinity of the site. Two federally listed species (one endangered and one proposed threatened) have known ranges in the area, but no critical habitat has been identified within the vicinity of the site. If suitable habitat is identified or regulations change, agency coordination and species-specific surveys will be conducted. The project intends to follow recommended tree-clearing windows and seasonal restrictions to minimize impacts to federally listed bats, migratory birds, and other protected species. Standard construction BMPs, along with avoidance and minimization measures, will be implemented to prevent impacts to natural resources to the maximum extent practicable. There are no environmental concerns that cannot be addressed through standard agency coordination and mitigation. No major federal action triggering NEPA is anticipated. See Attachment 08 - Permitting Plan. | |

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| Outreach plan | The proposer is committed to informing the public about the project to the greatest extent practicable while working with all interested stakeholders including landowners through a robust public outreach program to address and respond to community concerns. A well-designed public outreach program can have numerous benefits, including fostering cooperative relationships with landowners and other stakeholders, expediting the regulatory permitting process, and assisting with project development. In general, the purpose of the community outreach plan is to gain community support for the project. In the affected communities, the proposer's public outreach plan will educate the public and relevant stakeholders on specific project details to enable timely regulatory approvals and construction activities. Elements of the public outreach plan will include the following: 1) Identify potential issues at an early stage by engagement with key community stakeholders at the outset; 2) Broaden the community engagement process to identify potential and relevant community benefits that can facilitate community support for the proposed project; 3) Develop a broad base of community support for the proposed project before the regulatory agencies; and 4) Develop a comprehensive administrative record documenting the community outreach process that can be presented to the regulatory agency or, in the event of a legal challenge, to the appropriate court. The outreach plan proposes to dedicate considerable time and resources in engaging the community, and specifically the affected community during the planning process to identify highly sensitive areas in order to develop a project that has the least amount of cultural, environmental, and social impacts. The plans will reflect avoidance of impacts rather than mitigation. However, in some cases, if avoidance is not possible, then the proposer will involve landowners and other stakeholders in providing appropriate and practical mitigation measures. Public outreach activities by the proposer will begin following project award. |
| Land acquisition plan | See attachment 9. |
| Construction responsibility | Proprietary & Confidential Information |
| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |

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| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $814,738,999.00 |
| Component cost (in-service year) | $921,314,273.00 |

## Greenfield Substation Component

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|---|---|
| Component title | 54) Waukegan 525 kV Converter Station |
| Project description | Proprietary & Confidential Information |
| Substation name | Waukegan Converter Station |
| Substation description | Construct a new 525 kV Waukegan converter station interconnecting to the existing Waukegan 345/138kV substation. |
| Nominal voltage | DC |
| Nominal voltage | 525 |

## Transformer Information

| | Name | Capacity (MVA) |
|---|---|---|
| Transformer | | |

| | High Side | Low Side | Tertiary |
|---|---|---|---|
| Voltage (kV) | 525 | NA | NA |

| | |
|---|---|
| Major equipment description | 525kV HVDC Bipole Converter Station, 2800 MW |

| | Normal ratings | Emergency ratings |
|---|---|---|
| Summer (MVA) | 2800.000000 | 2800.000000 |
| Winter (MVA) | 2800.000000 | 2800.000000 |

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| Environmental assessment | Environmental constraints were evaluated within the proposed substation site and are considered manageable through avoidance, minimization, and mitigation measures. The parcel contains seven NWI-mapped wetlands. According to FEMA data, no portion of the proposed substation layout contains a 100-year floodplain or regulated floodway. No major watercourses are located within the parcel, although overland flow is assumed to drain to Lake Michigan. No fatal flaws have been identified. Based on publicly available information, no previously recorded archaeological sites, cemeteries, or historic districts are located within the immediate vicinity of the site. However, one undetermined historic property was identified by the SHPO, in the vicinity of the site. Seven federally listed species (three endangered, three threatened, and one proposed threatened) have known ranges in the area. A small portion of the site contains critical habitat for the Piping Plover. If suitable habitat is identified or regulations change, agency coordination and species-specific surveys will be conducted. The proposed site has historic industrial uses and contamination, as it is listed under the IL EPA Site Remediation Program. Therefore an Environmental Site Assessment will be needed to understand the level of contamination and remediation will be necessary to develop the site. The project intends to follow recommended tree-clearing windows and seasonal restrictions to minimize impacts to federally listed bats, migratory birds, and other protected species. Standard construction BMPs, along with avoidance and minimization measures, will be implemented to prevent impacts to natural resources to the maximum extent practicable. There are no environmental concerns that cannot be addressed through standard agency coordination and mitigation. No major federal action triggering NEPA is anticipated. See Attachment 08 - Permitting Plan. |
| Outreach plan | The proposer is committed to informing the public about the project to the greatest extent practicable while working with all interested stakeholders including landowners through a robust public outreach program to address and respond to community concerns. A well-designed public outreach program can have numerous benefits, including fostering cooperative relationships with landowners and other stakeholders, expediting the regulatory permitting process, and assisting with project development. In general, the purpose of the community outreach plan is to gain community support for the project. In the affected communities, the proposer's public outreach plan will educate the public and relevant stakeholders on specific project details to enable timely regulatory approvals and construction activities. Elements of the public outreach plan will include the following: 1) Identify potential issues at an early stage by engagement with key community stakeholders at the outset; 2) Broaden the community engagement process to identify potential and relevant community benefits that can facilitate community support for the proposed project; 3) Develop a broad base of community support for the proposed project before the regulatory agencies; and 4) Develop a comprehensive administrative record documenting the community outreach process that can be presented to the regulatory agency or, in the event of a legal challenge, to the appropriate court. The outreach plan proposes to dedicate considerable time and resources in engaging the community, and specifically the affected community during the planning process to identify highly sensitive areas in order to develop a project that has the least amount of cultural, environmental, and social impacts. The plans will reflect avoidance of impacts rather than mitigation. However, in some cases, if avoidance is not possible, then the proposer will involve landowners and other stakeholders in providing appropriate and practical mitigation measures. Public outreach activities by the proposer will begin following project award. |

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| Land acquisition plan | See attachment 9. |
| Construction responsibility | Proprietary & Confidential Information |
| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $816,400,812.00 |
| Component cost (in-service year) | $923,412,841.00 |

## Greenfield Substation Component

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|---|---|
| Component title | 179) Polk Substation 345 kV |
| Project description | Proprietary & Confidential Information |
| Substation name | Polk 345 |
| Substation description | Construct the new Polk Substation with 345 kV facilities and loop in the existing St. John-Crete 345 kV, University Park-Olive 345 kV, Davis Creek-Burman 345 kV, and Davis Creek-Bloom 345 kV transmission lines. |
| Nominal voltage | AC |
| Nominal voltage | 345 |

## Transformer Information

| | Name | Capacity (MVA) |
|---|---|---|
| Transformer | NA | NA |

| | High Side | Low Side | Tertiary |
|---|---|---|---|
| Voltage (kV) | 345 | NA | NA |

Major equipment description

AC Air Insulated Substation (AIS): New proposed 345kV substation. New 345kV Breaker and a half (BAAH) substation including twelve (12) 345kV-5000A-63kAIC breakers. Line bays include connections to University Park, Crete, ST John, Olive, Davis Creek 1, Davis Creek 2, Burnham, and Bloom 345kV substations. This configuration allows for four (4) total BAAH bays at the substation when fully built out.

| | Normal ratings | Emergency ratings |
|---|---|---|
| Summer (MVA) | 2228.000000 | 2292.000000 |
| Winter (MVA) | 2396.000000 | 2452.000000 |

Environmental assessment

Environmental constraints were evaluated within the proposed substation site and are considered manageable through avoidance, minimization, and mitigation measures. The parcel contains four NWI-mapped wetlands. According to FEMA data, a small portion of the proposed substation layout may contain a 100-year floodplain. However, no regulated floodways were identified. No major watercourses are located within the parcel, although overland flow is assumed to drain to unnamed tributaries Pike Creek. No fatal flaws have been identified. Based on publicly available information, no previously recorded archaeological sites, cemeteries, or historic districts are located within the immediate vicinity of the site. However, one undetermined historic property was identified by the SHPO, in the vicinity of the site. Two federally listed species (one endangered and one proposed threatened) have known ranges in the area, but no critical habitat has been identified within the vicinity of the site. If suitable habitat is identified or regulations change, agency coordination and species-specific surveys will be conducted. The project intends to follow recommended tree-clearing windows and seasonal restrictions to minimize impacts to federally listed bats, migratory birds, and other protected species. Standard construction BMPs, along with avoidance and minimization measures, will be implemented to prevent impacts to natural resources to the maximum extent practicable. There are no environmental concerns that cannot be addressed through standard agency coordination and mitigation. No major federal action triggering NEPA is anticipated. See Attachment 08 - Permitting Plan.

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| Outreach plan | The proposer is committed to informing the public about the project to the greatest extent practicable while working with all interested stakeholders including landowners through a robust public outreach program to address and respond to community concerns. A well-designed public outreach program can have numerous benefits, including fostering cooperative relationships with landowners and other stakeholders, expediting the regulatory permitting process, and assisting with project development. In general, the purpose of the community outreach plan is to gain community support for the project. In the affected communities, the proposer's public outreach plan will educate the public and relevant stakeholders on specific project details to enable timely regulatory approvals and construction activities. Elements of the public outreach plan will include the following: 1) Identify potential issues at an early stage by engagement with key community stakeholders at the outset; 2) Broaden the community engagement process to identify potential and relevant community benefits that can facilitate community support for the proposed project; 3) Develop a broad base of community support for the proposed project before the regulatory agencies; and 4) Develop a comprehensive administrative record documenting the community outreach process that can be presented to the regulatory agency or, in the event of a legal challenge, to the appropriate court. The outreach plan proposes to dedicate considerable time and resources in engaging the community, and specifically the affected community during the planning process to identify highly sensitive areas in order to develop a project that has the least amount of cultural, environmental, and social impacts. The plans will reflect avoidance of impacts rather than mitigation. However, in some cases, if avoidance is not possible, then the proposer will involve landowners and other stakeholders in providing appropriate and practical mitigation measures. Public outreach activities by the proposer will begin following project award. |
| Land acquisition plan | See attachment 9. |
| Construction responsibility | Proprietary & Confidential Information |
| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |

| | |
|---|---|
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $66,645,031.00 |
| Component cost (in-service year) | $75,830,850.00 |

## Greenfield Substation Component

| | |
|---|---|
| Component title | 184) Polk 765 kV Substation |
| Project description | Proprietary & Confidential Information |
| Substation name | Polk 765 |
| Substation description | Construct the new Polk 765 kV Substation that will loop in the existing Wilton-Dumon 765 kV line and connect to an adjacent 525 kV Converter Station. |
| Nominal voltage | AC |
| Nominal voltage | 765 |

## Transformer Information

| | Name | Capacity (MVA) |
|---|---|---|
| Transformer | NA | NA |

| | High Side | Low Side | Tertiary |
|---|---|---|---|
| Voltage (kV) | 765 | NA | NA |

| | |
|---|---|
| Major equipment description | AC Air Insulated Substation (AIS): New proposed 765kV substation. New 765kV Breaker and a half (BAAH) substation including seven (7) 765kV-5000A-63kAIC breakers (number includes breakers for the shunt reactor bank). One (1) 150MVAR Line Reactor banks outgoing to Dumont 765kV Substation. An additional line without a line reactor bank going to Wilton 765kV substation. This configuration allows for two (2) total BAAH bays at the substation when fully built out. |

| Normal ratings | Emergency ratings |
|---|---|

| | | |
|---|---|---|
| Summer (MVA) | 6877.000000 | 6942.000000 |
| Winter (MVA) | 8011.000000 | 8245.000000 |
| Environmental assessment | Environmental constraints were evaluated within the proposed substation site and are considered manageable through avoidance, minimization, and mitigation measures. The parcel contains four NWI-mapped wetlands. According to FEMA data, a small portion of the proposed substation layout may contain a 100-year floodplain. However, no regulated floodways were identified. No major watercourses are located within the parcel, although overland flow is assumed to drain to unnamed tributaries Pike Creek. No fatal flaws have been identified. Based on publicly available information, no previously recorded archaeological sites, cemeteries, or historic districts are located within the immediate vicinity of the site. However, one undetermined historic property was identified by the SHPO, in the vicinity of the site. Two federally listed species (one endangered and one proposed threatened) have known ranges in the area, but no critical habitat has been identified within the vicinity of the site. If suitable habitat is identified or regulations change, agency coordination and species-specific surveys will be conducted. The project intends to follow recommended tree-clearing windows and seasonal restrictions to minimize impacts to federally listed bats, migratory birds, and other protected species. Standard construction BMPs, along with avoidance and minimization measures, will be implemented to prevent impacts to natural resources to the maximum extent practicable. There are no environmental concerns that cannot be addressed through standard agency coordination and mitigation. No major federal action triggering NEPA is anticipated. See Attachment 08 - Permitting Plan. | |

| | |
|---|---|
| Outreach plan | The proposer is committed to informing the public about the project to the greatest extent practicable while working with all interested stakeholders including landowners through a robust public outreach program to address and respond to community concerns. A well-designed public outreach program can have numerous benefits, including fostering cooperative relationships with landowners and other stakeholders, expediting the regulatory permitting process, and assisting with project development. In general, the purpose of the community outreach plan is to gain community support for the project. In the affected communities, the proposer's public outreach plan will educate the public and relevant stakeholders on specific project details to enable timely regulatory approvals and construction activities. Elements of the public outreach plan will include the following: 1) Identify potential issues at an early stage by engagement with key community stakeholders at the outset; 2) Broaden the community engagement process to identify potential and relevant community benefits that can facilitate community support for the proposed project; 3) Develop a broad base of community support for the proposed project before the regulatory agencies; and 4) Develop a comprehensive administrative record documenting the community outreach process that can be presented to the regulatory agency or, in the event of a legal challenge, to the appropriate court. The outreach plan proposes to dedicate considerable time and resources in engaging the community, and specifically the affected community during the planning process to identify highly sensitive areas in order to develop a project that has the least amount of cultural, environmental, and social impacts. The plans will reflect avoidance of impacts rather than mitigation. However, in some cases, if avoidance is not possible, then the proposer will involve landowners and other stakeholders in providing appropriate and practical mitigation measures. Public outreach activities by the proposer will begin following project award. |
| Land acquisition plan | See attachment 9. |
| Construction responsibility | Proprietary & Confidential Information |
| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |

| | |
|---|---|
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $178,302,206.00 |
| Component cost (in-service year) | $203,250,987.00 |

## Transmission Line Upgrade Component

| | |
|---|---|
| Component title | 110) St John - Crete 345 kV loop-in |
| Project description | Proprietary & Confidential Information |
| Impacted transmission line | St John to Crete Energy Park 345 kV |
| Point A | St John |
| Point B | Crete |
| Point C | |
| Terrain description | The proposed transmission line connections are located primarily within the existing St. John-Crete 345 kV transmission corridor and immediately adjacent to the proposed Polk 345 kV Substation. Terrain is generally consistent with the existing transmission corridor and substation area. |
| Existing Line Physical Characteristics | |
| Operating voltage | 345 |
| Conductor size and type | Incumbent / Transmission Owner to select conductor to achieve the required ratings |
| Hardware plan description | Matches existing facilities |
| Tower line characteristics | Matches existing facilities |
| Proposed Line Characteristics | |

| | Designed | Operating |
|---|---|---|
| Voltage (kV) | 345.000000 | 345.000000 |

| | Normal ratings | Emergency ratings |
|---|---|---|
| Summer (MVA) | 1872.000000 | 2162.000000 |
| Winter (MVA) | 2193.000000 | 2390.000000 |
| Conductor size and type | Matches existing facilities | |
| Shield wire size and type | Matches existing facilities | |
| Rebuild line length | 0.12 | |
| Rebuild portion description | Cuts into existing St John to Crete 345 kV Transmission line and routes directly into and out of the new Polk 345 kV Substation; Creates a new St. John to Polk 345 kV circuit connection and a new Crete to Polk 345 kV circuit connection. | |
| Right of way | 150-foot ROW will be required for the new line length | |
| Construction responsibility | Proprietary & Confidential Information | |
| Benefits/Comments | Proprietary & Confidential Information | |
| Component Cost Details - In Current Year $ | | |
| Engineering & design | Proprietary & Confidential Information | |
| Permitting / routing / siting | Proprietary & Confidential Information | |
| ROW / land acquisition | Proprietary & Confidential Information | |
| Materials & equipment | Proprietary & Confidential Information | |
| Construction & commissioning | Proprietary & Confidential Information | |
| Construction management | Proprietary & Confidential Information | |
| Overheads & miscellaneous costs | Proprietary & Confidential Information | |
| Contingency | Proprietary & Confidential Information | |
| Total component cost | $3,325,000.00 | |
| Component cost (in-service year) | $3,766,571.00 | |

## Transmission Line Upgrade Component

| | |
|---|---|
| Component title | 111) University Park – Olive 345 kV loop-in |
| Project description | Proprietary & Confidential Information |
| Impacted transmission line | University Park to Olive 345 kV |
| Point A | University Park |
| Point B | Olive |
| Point C | |
| Terrain description | The proposed transmission line connections are located primarily within the existing University-Olive 345 kV transmission corridor and immediately adjacent to the proposed Polk 345 kV Substation. Terrain is generally consistent with the existing transmission corridor and substation area. |
| Existing Line Physical Characteristics | |
| Operating voltage | 345 |
| Conductor size and type | Incumbent / Transmission Owner to select conductor to achieve the required ratings |
| Hardware plan description | Matches existing facilities |
| Tower line characteristics | Matches existing facilities |
| Proposed Line Characteristics | |

| | Designed | Operating |
|---|---|---|
| Voltage (kV) | 345.000000 | 345.000000 |
| | Normal ratings | Emergency ratings |
| Summer (MVA) | 1825.000000 | 2004.000000 |
| Winter (MVA) | 1976.000000 | 2142.000000 |
| Conductor size and type | Matches existing facilities | |

| | |
|---|---|
| Shield wire size and type | Matches existing facilities |
| Rebuild line length | 0.06 |
| Rebuild portion description | Cuts into existing University Park to Olive 345 kV Transmission line and routes directly into and out of the new Polk 345 kV Substation; Creates a new University Park to Polk 345 kV circuit connection and a new Olive to Polk 345 kV circuit connection. |
| Right of way | 150-foot ROW will be required for the new line length |
| Construction responsibility | Proprietary & Confidential Information |
| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $3,325,000.00 |
| Component cost (in-service year) | $3,766,571.00 |

## Transmission Line Upgrade Component

| | |
|---|---|
| Component title | 113) Wilton - Dumont 765 kV loop-in |
| Project description | Proprietary & Confidential Information |
| Impacted transmission line | Dumont to Wilton CTR 765 kV |

| | |
|---|---|
| Point A | Wilton |
| Point B | Dumont |
| Point C | NA |
| Terrain description | The proposed transmission line connections are located primarily within the existing Wilton-Dumont 765 kV transmission corridor and immediately adjacent to the proposed Polk 765 kV Substation. Terrain is generally consistent with the existing transmission corridor and substation area. |
| Existing Line Physical Characteristics | |
| Operating voltage | 765 |
| Conductor size and type | Incumbent / Transmission Owner to select conductor to achieve the required ratings |
| Hardware plan description | Matches existing facilities |
| Tower line characteristics | Matches existing facilities |
| Proposed Line Characteristics | |

| | Designed | Operating |
|---|---|---|
| Voltage (kV) | 765.000000 | 765.000000 |
| | Normal ratings | Emergency ratings |
| Summer (MVA) | 4142.000000 | 4460.000000 |
| Winter (MVA) | 4909.000000 | 5187.000000 |

| | |
|---|---|
| Conductor size and type | Matches existing facilities |
| Shield wire size and type | Matches existing facilities |
| Rebuild line length | 0.81 |
| Rebuild portion description | Cuts into existing Wilton to Dumont 765 kV Transmission line and routes directly into and out of the new Polk 765 kV Substation; Creates a new Wilton to Polk 765 kV circuit connection and a new Dumont to Polk 765 kV circuit connection. |

| | |
|---|---|
| Right of way | 150-foot ROW will be required for the new line length |
| Construction responsibility | Proprietary & Confidential Information |
| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $4,500,000.00 |
| Component cost (in-service year) | $5,097,614.00 |

## Transmission Line Upgrade Component

| | |
|---|---|
| Component title | 114) Davis Creek - Burman 345 kV loop-in |
| Project description | Proprietary & Confidential Information |
| Impacted transmission line | Davis Creek to Burman 345 kV |
| Point A | Davis Creek |
| Point B | Burman |
| Point C | |

| | | |
|---|---|---|
| Terrain description | The proposed transmission line connections are located primarily within the existing Davis Creek-Burman 345 kV transmission corridor and immediately adjacent to the proposed Polk 345 kV Substation. Terrain is generally consistent with the existing transmission corridor and substation area. | |
| Existing Line Physical Characteristics | | |
| Operating voltage | 345 | |
| Conductor size and type | Incumbent / Transmission Owner to select conductor to achieve the required ratings | |
| Hardware plan description | Matches existing facilities | |
| Tower line characteristics | Matches existing facilities | |
| Proposed Line Characteristics | | |
| | Designed | Operating |
| Voltage (kV) | 345.000000 | 345.000000 |
| | Normal ratings | Emergency ratings |
| Summer (MVA) | 1201.000000 | 1479.000000 |
| Winter (MVA) | 1497.000000 | 1701.000000 |
| Conductor size and type | Matches existing facilities | |
| Shield wire size and type | Matches existing facilities | |
| Rebuild line length | 0.13 | |
| Rebuild portion description | Cuts into existing Davis Creek to Burman 345 kV Transmission line and routes directly into and out of the new Polk 345 kV Substation; Creates a new Davis Creek to Polk 345 kV circuit connection and a new Burman to Polk 345 kV circuit connection. | |
| Right of way | 150-foot ROW will be required for the new line length | |
| Construction responsibility | Proprietary & Confidential Information | |
| Benefits/Comments | Proprietary & Confidential Information | |

Component Cost Details - In Current Year $

| | |
|---|---|
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $3,325,000.00 |
| Component cost (in-service year) | $3,766,571.00 |

## Transmission Line Upgrade Component

| | |
|---|---|
| Component title | 115) Davis Creek - Bloom 345 kV loop-in |
| Project description | Proprietary & Confidential Information |
| Impacted transmission line | Davis Creek to Bloom 345 kV |
| Point A | Davis Creek |
| Point B | Bloom |
| Point C | NA |
| Terrain description | The proposed transmission line connections are located primarily within the existing Davis Creek-Bloom 345 kV transmission corridor and immediately adjacent to the proposed Polk 345 kV Substation. Terrain is generally consistent with the existing transmission corridor and substation area. |

Existing Line Physical Characteristics

| | | |
|---|---|---|
| Operating voltage | 345 | |
| Conductor size and type | Incumbent / Transmission Owner to select conductor to achieve the required ratings | |
| Hardware plan description | Matches existing facilities | |
| Tower line characteristics | Matches existing facilities | |
| Proposed Line Characteristics | | |
| | Designed | Operating |
| Voltage (kV) | 345.000000 | 345.000000 |
| | Normal ratings | Emergency ratings |
| Summer (MVA) | 1334.000000 | 1528.000000 |
| Winter (MVA) | 1590.000000 | 1781.000000 |
| Conductor size and type | Matches existing facilities | |
| Shield wire size and type | Matches existing facilities | |
| Rebuild line length | 0.13 | |
| Rebuild portion description | Cuts into existing Davis Creek to Bloom 345 kV Transmission line and routes directly into and out of the new Polk 345 kV Substation; Creates a new Davis Creek to Polk 345 kV circuit connection and a new Bloom to Polk 345 kV circuit connection. | |
| Right of way | 150-foot ROW will be required for the new line length | |
| Construction responsibility | Proprietary & Confidential Information | |
| Benefits/Comments | Proprietary & Confidential Information | |
| Component Cost Details - In Current Year $ | | |
| Engineering & design | Proprietary & Confidential Information | |
| Permitting / routing / siting | Proprietary & Confidential Information | |

| | |
|---|---|
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $3,325,000.00 |
| Component cost (in-service year) | $3,766,571.00 |

## Substation Upgrade Component

| | |
|---|---|
| Component title | 117) Waukegan 345 kV Substation Upgrade |
| Project description | Proprietary & Confidential Information |
| Substation name | Waukegan |
| Substation zone | COMED |
| Substation upgrade scope | Add four (4) 345kV breakers into existing switchyard to create two (2) additional line terminals. |

## Transformer Information

| | Name | Capacity (MVA) |
|---|---|---|
| Transformer | NA | NA |

| | High Side | Low Side | Tertiary |
|---|---|---|---|
| Voltage (kV) | NA | NA | NA |

| | |
|---|---|
| New equipment description | Add (4) 345kV, 5000A, 63kAIC breakers and (2) 345kV lines. |
| Substation assumptions | Assumes required equipment upgrades occur in existing footprint. |

| | |
|---|---|
| Real-estate description | Proposed upgrade does not require additional real estate acquisition. |
| Construction responsibility | Proprietary & Confidential Information |
| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $30,439,940.00 |
| Component cost (in-service year) | $30,439,940.00 |

## Substation Upgrade Component

| | |
|---|---|
| Component title | 192) East Frankfort 345 kV Substation Upgrade |
| Project description | Proprietary & Confidential Information |
| Substation name | East Frankfort |
| Substation zone | COMED |
| Substation upgrade scope | Upgrade the equipment terminating Goodings - East Frankfort 345 kV line. |

## Transformer Information

| | Name | | Capacity (MVA) |
|---|---|---|---|
| Transformer | NA | | NA |
| | High Side | Low Side | Tertiary |
| Voltage (kV) | 345 | NA | NA |

| | |
|---|---|
| New equipment description | Replace terminal equipment |
| Substation assumptions | Assumes required equipment upgrades occur in existing footprint. Spare position available in existing switchyard. |
| Real-estate description | Proposed upgrade does not require additional real estate acquisition |
| Construction responsibility | Proprietary & Confidential Information |
| Benefits/Comments | Proprietary & Confidential Information |
| Component Cost Details - In Current Year $ | |
| Engineering & design | Proprietary & Confidential Information |
| Permitting / routing / siting | Proprietary & Confidential Information |
| ROW / land acquisition | Proprietary & Confidential Information |
| Materials & equipment | Proprietary & Confidential Information |
| Construction & commissioning | Proprietary & Confidential Information |
| Construction management | Proprietary & Confidential Information |
| Overheads & miscellaneous costs | Proprietary & Confidential Information |
| Contingency | Proprietary & Confidential Information |
| Total component cost | $320,000.00 |
| Component cost (in-service year) | $355,041.00 |

## Congestion Drivers

None

## Existing Flowgates

None

## New Flowgates

Proprietary & Confidential Information

## Financial Information

| | |
|---|---|
| Capital spend start date | 02/2027 |
| Construction start date | 04/2032 |
| Project Duration (In Months) | 88 |

## Cost Containment Commitment

| | |
|---|---|
| Cost cap (in current year) | Proprietary & Confidential Information |
| Cost cap (in-service year) | Proprietary & Confidential Information |

### Components covered by cost containment

1. 56) State Line – Waukegan 525 kV - Proposer
2. 118) Waukegan 345kV – Waukegan 525 kV Converter Station Tie-in - PROPOSER
3. 119) Polk – State Line 525 kV - PROPOSER
4. 156) Polk - State Line 525 kV - PROPOSER
5. 48) Polk 525 kV Converter Station - PROPOSER
6. 54) Waukegan 525 kV Converter Station - PROPOSER

## Cost elements covered by cost containment

| | |
|---|---|
| Engineering & design | Yes |
| Permitting / routing / siting | Yes |
| ROW / land acquisition | Yes |
| Materials & equipment | Yes |
| Construction & commissioning | Yes |
| Construction management | Yes |
| Overheads & miscellaneous costs | Yes |
| Taxes | No |
| AFUDC | No |
| Escalation | No |
| Additional Information | Proprietary & Confidential Information |
| Is the proposer offering a binding cap on ROE? | Yes |
| Would this ROE cap apply to the determination of AFUDC? | No |
| Would the proposer seek to increase the proposed ROE if FERC finds that a higher ROE would not be unreasonable? | No |
| Is the proposer offering a Debt to Equity Ratio cap? | Proprietary & Confidential Information |
| Additional cost containment measures not covered above | Proprietary & Confidential Information |

# Additional Comments

As per confirmation by PJM, the Project Capital Expenditures Section will be automatically redacted by PJM.