

Polk - Des Plaines HVDC + Polk - Sheldon East 765 kV

General Information

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	301
Project title	Polk - Des Plaines HVDC + Polk - Sheldon East 765 kV
Project description	Construct a new 2,800 MW, 525 kV HVDC transmission link between Polk and Des Plaines using overhead and underground segments, together with a new 765 kV transmission line between Sheldon East and Polk. The project includes new converter stations at Polk and Des Plaines, a new Sheldon East 765 kV substation on the Woodford-Reynolds line, and a new Polk 765 kV substation on the Wilton-Dumont line.
Email	Proprietary & Confidential Information
Project in-service date	06/2034
Tie-line impact	Yes
Interregional project	No
Is the proposer offering a binding cap on capital costs?	Yes
Additional benefits	Proprietary & Confidential Information

Project Components

1. 124) Sheldon East- Polk 765 kV
2. 151) Polk - Des Plaines 525 kV

3. 172) Polk - Des Plaines 525 kV
4. 48) Polk 525 kV Converter Station
5. 179) Polk Substation 345 kV
6. 182) Sheldon East 765 kV Substation
7. 185) Polk 765 kV Substation
8. 193) Des Plaines 525 KV Converter Station
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. 192) East Frankfort 345 kV Substation Upgrade
15. 194) Des Plaines 345/138 kV Substation Upgrade

Greenfield Transmission Line Component

Component title	124) Sheldon East- Polk 765 kV	
Project description	Proprietary & Confidential Information	
Point A	Sheldon East	
Point B	Polk	
Point C		
	Normal ratings	Emergency ratings
Summer (MVA)	6877.000000	6942.000000
Winter (MVA)	8011.000000	8245.000000
Conductor size and type	6xRedwing ACSR(GA2)	
Nominal voltage	AC	

Nominal voltage	765
Line construction type	Overhead
General route description	The proposed Sheldon East- Polk 765 kV transmission line component originates at the Sheldon East substation and terminates at the Polk substation, traversing through 3 counties, including Iroquois County, Kankakee County, and Will County, Illinois. The line is proposed as an overhead single circuit 765 kV transmission facility. 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 Sheldon East- Polk 765 kV component traverses terrain that is generally characterized by relatively flat 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. Subsurface conditions generally consist of dolostone, shale, and limestone overlain by Selma loam, Gilford fine sandy loam, and Milford silty clay loam. Population and development characteristics along the proposed route consist of predominantly rural and undeveloped areas, with limited residential presence and minimal population exposure along the proposed route . Please see Attachment 14 for detailed route analysis.
Right-of-way width by segment	The route will require a 200- to 250-foot-wide right-of-way (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 Sheldon East- Polk 765 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	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
Construction & commissioning	Proprietary & Confidential Information
Construction management	Proprietary & Confidential Information
Overheads & miscellaneous costs	Proprietary & Confidential Information
Contingency	Proprietary & Confidential Information

Total component cost	\$219,534,808.00
Component cost (in-service year)	\$248,128,829.00

Greenfield Transmission Line Component

Component title	151) Polk - Des Plaines 525 kV
Project description	Proprietary & Confidential Information
Point A	Polk
Point B	UG/OH Geographic Transition Point
Point C	

	Normal ratings	Emergency ratings
Summer (MVA)	2800.000000	2800.000000
Winter (MVA)	2800.000000	2800.000000
Conductor size and type	3xChukar ACSR	
Nominal voltage	DC	
Nominal voltage	525	
Line construction type	Overhead	

General route description	The proposed Polk - Des Plaines 525 kV (Overhead) transmission line component originates at the Polk substation and switches ends at the UG/OH change in configuration location, around Lansing, Illinois. This segment of the transmission component traverses through 2 counties, Will County and Kendall County, Illinois. The line is proposed as an overhead single circuit 525 kV transmission facility. The route is primarily located within agricultural, developed, and wetlands terrain and follows existing right-of-way for approximately 31% of the route and will require new right-of-way for approximately 69% 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 - Desplaines 525 kV (Overhead) component traverses terrain that is generally characterized by relatively flat to gently rolling terrain, consisting primarily of agricultural, developed, and wetlands 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 and shale overlain by Elliott silt loam, Ashkum silty clay loam, and Graymont silt 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 31% of the proposed route is anticipated to parallel, co-locate within, or expand upon existing transmission or utility corridors, while the remaining approximately 69% 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

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	\$319,136,921.00	
Component cost (in-service year)	\$360,661,583.00	
Greenfield Transmission Line Component		
Component title	172) Polk - Des Plaines 525 kV	
Project description	Proprietary & Confidential Information	
Point A	OH/UG Geographic Transition Point	
Point B	Des Plaines	
Point C		
	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 cable 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
General route description	The proposed Polk - Des Plaines 525 kV Underground transmission line component is a continuation of component 151, traversing underground through 3 counties, including Will County, Dupage County, and Cook County, Illinois. 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 96% of the route and will require new right-of-way for approximately 4% 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 - Des Plaines 525 kV Underground component traverses terrain that is generally characterized by relatively flat to gently rolling 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, with slope conditions characterized by gentle to moderate slopes ranging from approximately 0 to 5 percent. Subsurface conditions generally consist of dolostone and sedimentary overlain by Orthents, Sawmill silty clay loam, and Ozaukee silt loam. 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 96% of the proposed route is anticipated to parallel, co-locate within, or expand upon existing transmission or utility corridors, while the remaining approximately 4% 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 Underground 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

Total component cost	\$855,624,193.00	
Component cost (in-service year)	\$972,915,301.00	
Greenfield Substation Component		
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		
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.

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	\$812,466,914.00
Component cost (in-service year)	\$920,454,311.00
Greenfield Substation Component	
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

None

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.

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	\$66,512,607.00	
Component cost (in-service year)	\$75,460,785.00	
Greenfield Substation Component		
Component title	182) Sheldon East 765 kV Substation	
Project description	Proprietary & Confidential Information	
Substation name	Sheldon East	
Substation description	Construct the new Sheldon East substation on the Woodford -Reynolds 765kV line.	
Nominal voltage	AC	
Nominal voltage	765	
Transformer Information		
None		
Major equipment description	AC Air Insulated Substation (AIS): New proposed 765kV substation. New 765kV Double Breaker Double Bus (DBDB) substation including eight (8) 765kV-5000A-63kAIC breakers (number includes breakers for the shunt reactor banks). Two (2) 150MVAR Line Reactor banks outgoing to Woodford and Polk 765kV substations. An Additional line without a line reactor bank going to Reynolds 765kV Substation. This configuration allows for three (3) total DBDB bays at the substation.	
	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 one NWI-mapped wetland. According to FEMA data, a small portion of the southern half of the proposed site contains a 100-year floodplain. However, no regulated floodways exist on site. No major watercourses are located within the parcel, although overland flow is assumed to drain to unnamed tributaries Coon Creek. No fatal flaws have been identified. Based on publicly available information, no previously recorded archaeological sites, cemeteries, architectural resources, or historic districts are located within the immediate vicinity of the site. Five federally listed species (two endangered, one threatened, one experimental, 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	\$208,960,156.00
Component cost (in-service year)	\$236,898,847.00
Greenfield Substation Component	
Component title	185) Polk 765 kV Substation
Project description	Proprietary & Confidential Information
Substation name	Polk 765
Substation description	Construct the new Polk 765 kV Substation on the Wilton Center to Dumont 765kV line.
Nominal voltage	AC
Nominal voltage	765
Transformer Information	
None	

Major equipment description	AC Air Insulated Substation (AIS): New proposed 765kV substation. New 765kV Breaker and a half (BAAH) substation including ten (10) 765kV-5000A-63kAIC breakers (number includes breakers for the shunt reactor banks) with a future 11th breaker to be added later for final buildout. Two (2) 150MVAR Line Reactor banks outgoing to Sheldon East and Dumont 765kV substations. An Additional line without a line reactor bank going to Wilton 765kV substation. This configuration allows for three (3) 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	\$240,136,342.00	
Component cost (in-service year)	\$272,556,703.00	
Greenfield Substation Component		
Component title	193) Des Plaines 525 KV Converter Station	
Project description	Proprietary & Confidential Information	
Substation name	Des Plaines Converter Station	
Substation description	Install a new 525 kV converter station adjacent to the proposed Des Plaines 345 kV substation upgrades.	
Nominal voltage	DC	
Nominal voltage	525	
Transformer Information		
None		
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 site contains no NWI-mapped wetlands. According to FEMA data, no portion of the proposed substation layout contains any 100-year floodplains or regulated floodways. No major watercourses are located within the parcel, although overland flow is assumed to drain to unnamed tributaries Weller 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. Seven federally listed species (one endangered, three threatened, two proposed threatened, and one experimental population) 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	\$806,146,171.00
Component cost (in-service year)	\$913,365,931.00
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 miles	
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 required 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		
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 miles	
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 miles
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		
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 miles	
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	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	

None	
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
Substation Upgrade Component	
Component title	194) Des Plaines 345/138 kV Substation Upgrade
Project description	Proprietary & Confidential Information
Substation name	Des Plaines
Substation zone	COMED

Substation upgrade scope	AC Gas Insulated Substation (GIS): Rebuild 345kV switchyard to replace the existing 345kV Des Plaines switchyard to the south of the new location. This substation will connect the existing 345kV AC system with a HVDC 525kV converter station at Des Plaines. The existing 345kV AC system includes 345kV transmission lines coming into the new Des Plaines via two lines from Itasca, two lines from Lombard, two lines from Golf Mills, two lines to Prospect Heights 345/138kV substation, and 4 lines from the old Des Plaines 345kV substation. This will be achieved through a GIS, breaker-and-a-half (BAAH) hybrid arrangement divided into four sections. Sections 2 and 3 are standard BAAH configuration with 2 strings of three (3) 345kV-5000A-63AIC breakers for both sections 2 and 3. Sections 2 and 3 will be connected via the North and South buses with a one (1) 345kV-5000A-63AIC normally open bus tie breaker on each bus. Sections 1 and 4 are BAAH hybrid ring bus sections with one (1) string of three (3) 345kV-5000A-63AIC breakers in BAAH with an additional string of one (1) 345kV-5000A-63AIC breaker to complete said ring bus. Section 1 connects to section 2 via one (1) 345kV-5000A-63AIC normally closed bus tie breaker on each bus, just as Section 3 and Section 4 are connected in the same manner. This totals to a GIS substation with a total of twenty-six (26) 345kV-5000A-63AIC breakers, 8 are in BAAH hybrid ring bus configuration, 12 are in a 2-string BAAH configuration, 4 are in a normally closed bus tie configuration, and 2 are in a normally open bus tie configuration.
Transformer Information	
None	
New equipment description	Add (26) 345kV, 5000A, 63kAIC breakers to create a new breaker and a half (BAAH) switchyard. Terminate a total of (12) AC 345kV lines into the substation, which includes four transformer leads into the existing Des Plaines substation. The remaining (2) positions in the BAAH substation will connect into the HVDC converter located in the same parcel.
Substation assumptions	Substation will be located North of existing Des Plaines Substation on land owned by ComEd and determined feasible to accommodate both the new substation and converter station on the same footprint, in addition to looping in all existing 345-kV feeder lines.
Real-estate description	ComEd currently owns land on the adjacent parcel where substation upgrade will occur; proposed upgrade does not require additional land 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	\$263,929,654.00
Component cost (in-service year)	\$263,929,653.00

Congestion Drivers

None

Existing Flowgates

None

New Flowgates

None

Financial Information

Capital spend start date	02/2027
Construction start date	10/2030
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. 124) Sheldon East- Polk 765 kV - PROPOSER	
2. 151) Polk - Des Plaines 525 kV - PROPOSER	
3. 172) Polk - Des Plaines 525 kV - PROPOSER	
4. 48) Polk 525 kV Converter Station - PROPOSER	
5. 182) Sheldon East 765 kV Substation - PROPOSER	
6. 193) Des Plaines 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.